NOTICE

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Statement of Nondiscrimination
It is the official policy of the Alabama Community College System and Gadsden State Community College, a postsecondary institution under its control, that no person shall, on the grounds of race, color, disability, sex, religion, creed, national origin, or age, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any of its programs, activities, or employment. Inquiries related to this policy may be directed to Michele Bradford, Director of Legal Affairs, Gadsden State Community College, Joe Ford Center, P.O. Box 227, Gadsden, AL 35902-0227; telephone 256.439.6822; fax 256.439.6812; e-mail mbradford@gadsdenstate.edu.
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Alabama Community College System
The Honorable Robert Bentley, Governor of Alabama
President

Dr. Mark A. Heinrich
Chancellor

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State Board of Education
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     Phone: 888.531.1312

Accreditation

Gadsden State Community College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate degrees. Contact the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404.679.4500 for questions about the accreditation of Gadsden State Community College.

NOTICE: Academic courses taken at Ayers State Technical College prior to 1997 must be retaken due to lack of accreditation by the Southern Association of Colleges and Schools Commission on Colleges.

In addition, each of the following GSCC instructional programs has received individual professional accreditation, approval or certification from the appropriate professional or academic organization:


AUTO COLLISION REPAIR TECHNOLOGY—certified by the National Automotive Technicians Education Foundation (NATEF), 101 Blue Seal Drive SE, Suite 101, Leesburg, VA 20175; telephone: 703.669.6650; www.natef.org

AUTOMOTIVE SERVICE TECHNOLOGY—certified by the National Automotive Technicians Education Foundation (NATEF), 101 Blue Seal Drive SE, Suite 101, Leesburg, VA 20175; telephone: 703.669.6650; www.natef.org

BUSINESS (Accounting Technology, Business Administration, Financial Planning and Counseling, Marketing Management, Office Administration)—accredited by the Association of Collegiate Business Schools and Programs (ACBSP), 11520 W. 119th Street, Overland Park, KS 66213; telephone: 913.339.9356; fax: 913.339.6226; website: www.acbsp.org

CARPENTRY—accredited by the National Center for Construction Education and Research (NCCER), 13614 Progress Boulevard, Alachua, FL 32615; telephone: 386.518.6500; fax: 386.518.6255; website: www.nccer.org

Sponsored by the Construction Education Foundation of Alabama (CEFA), P.O. Box 130220, Birmingham, AL 35213; telephone: 205.956.0146; website: www.cefalabama.org

CHILD DEVELOPMENT—accredited by National Association for the Education of Young Children (NAEYC) Commission on Early Childhood Associate Degree Accreditation, 1313 L Street, NW., Suite 500, Washington DC 20005; telephone: 800.424.2460; fax: 202.350.8799; website: www.naeyc.org
CIVIL ENGINEERING TECHNOLOGY—certified by the American Design Drafting Association (ADDA), 105 East Main Street, Newbern, TN 38059; telephone: 731.627.0802; fax: 731.627.9321; website: www.adda.org

CLINICAL LABORATORY TECHNOLOGY—accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119; telephone: 773.714.8880; fax: 773.714.8886; website: www.naaccls.org

COSMETOLOGY TECHNOLOGY—certified by the Alabama Board of Cosmetology (ABOC), 100 N. Union Street, Suite 320, Montgomery, AL 36130-1750; telephone: 334.242.1918; fax: 334.242.1926; website: www.aboc.state.al.us

DIESEL TECHNOLOGY—certified by the National Automotive Technicians Education Foundation ((INATEF), 101 Blue Seal Drive SE, Suite 101, Leesburg, VA 20175; telephone: 703.669.6650; website: www.natef.org

DRAFTING AND DESIGN TECHNOLOGY—certified by the American Design Drafting Association (ADDA), 105 East Main Street, Newbern, TN 38059; telephone: 731.627.0802; fax: 731.627.9321; website: www.adda.org

ELECTRICAL TECHNOLOGY—accredited by the National Center for Construction Education and Research (NCCER), 13614 Progress Boulevard, Alachua, FL 32615, telephone: 386.518.6500; fax: 386.518.6255; website: www.nccer.org. Sponsored by the Construction Education Foundation of Alabama (CEFA), P.O. Box 130220, Birmingham, AL 35213; telephone: 205.956.0146; website: www.cefalabama.org

ELECTRONICS ENGINEERING TECHNOLOGY—approved by the Electronics Technicians Association International (ETA International), 5 Depot Street, Greencastle, IN 46135; telephone: 765.653.8262; fax: 765.653.8262; website: www.eta-i.org

EMERGENCY MEDICAL SERVICES—accredited by the Committee on Accreditation of Allied Health Programs (CAAHEP), 1361 Park Street, Clearwater, FL 33756; telephone: 727.210.2350; fax: 727.210.2354; website: www.caahep.org by recommendation from the Committee on Accreditation of Educational Programs for the EMS Profession of Allied Health Programs (CoAemsp), 4101 Oaks Blvd., #305-599, Arlington, TX 76016; telephone: 817.330.0080; fax: 817.330.0089; website: www.coaemsp.org and by the State of Alabama Department of Public Health Emergency Medical Services Division (ADPH-EMSD), ADPH-EMS Division RSA Tower, 201 Monroe Street, Suite 750, Montgomery, AL 36104; telephone: 334.206.5200; website: www.adph.org

INDUSTRIAL AUTOMATION TECHNOLOGY—accredited by the National Center for Construction Education and Research (NCCER), 13614 Progress Boulevard, Alachua, FL 32615; telephone: 386.518.6500; fax: 386.518.6255; website: www.nccer.org. Sponsored by the Construction Education Foundation of Alabama (CEFA), P.O. Box 130220, Birmingham, AL 35213; telephone: 205.956.0146; website: www.cefalabama.org

INFORMATION TECHNOLOGY (Computer and Information Systems, Computer Science Technology)—accredited by the Association of Collegiate Business Schools and Programs (ACBSP), 11520 W. 119th Street, Overland Park, KS 66213; telephone: 913.339.9356; fax: 913.339.6226; website: www.acbsp.org

MACHINE TOOL TECHNOLOGY—accredited by the National Institute for Metalworking Skills (NIMS), 10565 Fairfax Boulevard, Suite 203, Fairfax, VA 22033; telephone: 703.352.4971; fax: 703.352.4991; website: www.nims-skills.org

MECHANICAL DESIGN TECHNOLOGY—certified by the American Design Drafting Association (ADDA), 105 East Main Street, Newbern, TN 38059; telephone: 731.627.0802; fax: 731.627.9321; website: www.adda.org

NURSING EDUCATION—The Associate Degree Registered Nursing Program is approved by the Alabama Board of Nursing, telephone: 334.293.5200; fax 334.293.5201; website: www.abn.state.al.us and accredited by the Accreditation Commission for Education in Nursing, Inc., 3343 Peachtree Road, NE, Suite 850, Atlanta, Georgia 30326; telephone: 404.975.5000; fax: 404.975.5020; website: www.acenursing.org. The Practical Nursing Program is approved by the Alabama Board of Nursing and is accredited by the Accreditation Commission for Education in Nursing, Inc.

PARALEGAL—approved by the American Bar Association, 321 N. Clark Street, 19th Floor, Chicago, IL 60654-7598; telephone: 312.988.5000; fax: 312.988.5483; website: www.abanet.org/legal-services/paralegals

RADIOLOGIC TECHNOLOGY—accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-3182; telephone: 312.704.5300; fax: 312.704.5304; website: www.jrcert.org

REALTIME REPORTING—certified by the National Court Reporters Association Council on Approved Student Education (NCRA/CASE), 8224 Old Courthouse Road, Vienna, VA 22182-3838; telephone: 703.556.6291; website: www.ncraonline.org

THERAPEUTIC MASSAGE—approved by the State of Alabama Board of Massage Therapy (ALMTBD), 2777 Zelda Road, Montgomery, AL 36106; telephone: 334.420.7233; fax: 334.263.6115; website: www.almtbd.state.al.us and accredited through Commission on Massage Therapy Accreditation (COMTA) 5335 Wisconsin Avenue NW, Suite 440, Washington, D.C. 20015; telephone: 202.895.1518; fax: 202.895.1519; website: www.comto.org

WELDING TECHNOLOGY—accredited by the National Center for Construction Education and Research (NCCER), 13614 Progress Boulevard, Alachua, FL 32615; telephone: 386.518.6500; fax: 386.518.6255; website: www.nccer.org. Sponsored by the Construction Education Foundation of Alabama (CEFA), P.O. Box 130220, Birmingham, AL 35213; telephone: 205.956.0146; website: www.cefalabama.org
College Calendar 2015-2016

Fall Semester

Priority Registration .................................................. 8:00 am July 16
All Other Registration ............................................. 8:00 am July 20
Local Professional Development Day ................................ August 13
Faculty Duty Day ...................................................... August 14
Registration Continues (Faculty Duty Day) ........................... August 17,18
First Day of Class (Full Fall & Mini I Terms) ...................... August 19
Drop/Add ................................................................. August 19,20,21,24,25
Labor Day Holiday (State Holiday-College Closed) ................. September 7
Last Day to Withdraw from Fall Mini I Classes ................ September 28
Fall Mini I Final Exams ................................................ October 12
Fall Mini II Registration .............................................. October 12
First Day of Class Fall Mini II ........................................ October 13
Fall Mini II Drop/Add .................................................. October 13
Veteran’s Day Holiday (State Holiday—College Closed) .......... November 11
State Professional Development (Faculty Duty Day) ............... November 23,24,25
Thanksgiving Holidays State Holidays-College Closed .......... November 26,27
No Weekend Classes ................................................... November 28,29
Last Day to Withdraw from Full Term & Mini II classes .......... November 30
Registration for Spring
Priority Registration .................................................. 8:00 am December 1
All Other Registration ............................................. 8:00 am December 2
Final Exams Full Term & Mini II Classes .......................... December 9,10,11,14,15
Commencement (Anniston) ........................................... 6:00 pm December 17
Faculty Duty Day ...................................................... December 16,17,18
Grades Due Fall and Fall Mini I & II at 10 a.m. ................... December 17
Duty Day Non-Instructional ............................................ December 18
Christmas Holidays (State Holidays-College Closed) ........ December 21—January 1
Diplomas Available ................................................... January 21

Spring Semester

Priority Registration .................................................. 8:00 am December 1
All Other Registration ............................................. 8:00 am December 2
Local Professional Development ..................................... January 4
Faculty Duty Day ...................................................... January 5
Registration Continues (Faculty Duty Day) ........................ January 6,7
First Day of Class Spring Term and Spring Mini I ................ January 8
Drop/Add ................................................................. January 8,11,12,13,14
MLK Holiday (State Holiday-College Closed) ..................... January 18
Last Day to Withdraw from Spring Mini I Classes ................ February 16
Spring Mini I Final Exams ............................................. March 1
Spring Mini II Registration .......................................... March 1
First Day of Class Spring Mini II ..................................... March 2
Spring Mini II Drop/Add ................................................ March 2,3
Registration for Summer and Fall 2016
Priority Registration .................................................. 8:00 am March 18
All Other Registration ............................................. 8:00 am March 21
No Weekend Classes ................................................... March 26,27, April 2,3
Spring Break (Duty Days – Non Instructional Personnel) ........ March 28—April 1
Last Day to Withdraw from Spring and Spring Mini II Classes ... April 14
Final Exams Spring and Spring Mini II ................................. April 28,29, May 2,3,4
Commencement, Cherokee Arena ...................................... 6:00 pm May 5
Grades Due Spring and Spring Mini I and II at 10 a.m. .......... May 6
Faculty Duty Days ..................................................... May 5,6,9,10,11
Diplomas Available ................................................... June 6
Summer Semester 2016

Drops for Non-Payment for Classes
May 24 @ 6 pm; May 30 @ 6 pm; June 2 @ 7 am
Manual drops for Summer I and Summer III

Priority Registration................................................................. 8:00 am March 18
All Other Registration ......................................................... 8:00 am March 21
Registration Summer I and Fall Continues ................................ May 9
First Day of Class Summer I .................................................. May 10
Drop/Add Summer I ............................................................... May 10, 11
60% Attendance for Summer I term ........................................ May 20
Last Day to Withdraw Summer I Classes ................................. May 24
Final Exams Summer I Classes ................................................ May 25
Registration Full Summer, Summer II & Fall Continues (Faculty Duty Day) ........................................ May 26
Faculty Duty Day ................................................................. May 27
Memorial Day (State Holiday-College Closed) ........................ May 30
First Day of Class Full Summer and Summer II ...................... May 31
Drop/Add Full Summer and Summer II Classes ..................... May 31, June 1
Financial Aid Enrollment Freeze/Census ................................ June 10
60% Attendance for Summer II term ....................................... June 21
Last Day to Withdraw Summer II Classes ............................... June 28
Independence Day Observation (State Holiday—College Closed) July 4
Summer II Final Exams ........................................................... July 5
Registration Summer III and Fall Continues .......................... July 5
First Day of Class Summer III ................................................ July 6
Drop/Add Summer III ............................................................ July 6, 7
60% Attendance for Summer Full term ..................................... July 13
FOCUS (New Student Orientation) ......................................... July 19, 20, 21
60% Attendance for Summer III term ..................................... July 27
Last Day to Withdraw Full Summer and Summer III .............. July 28
Final Exams Full Summer and Summer III .............................. July 28
Commencement, Anniston ..................................................... 6:00 pm August 9
Grades Due for All Summer Terms at 10 a.m. ......................... August 11
Faculty Duty Days .............................................................. August 10, 11
Diplomas Available .................................................................. September 7

Campus Locations

Ayers Campus
1801 Coleman Road (36207)
P.O. Box 1647 (36202)
Anniston, AL
256.835.5400

East Broad Campus
1001 East Broad Street
Gadsden, AL 35903
256.549.8600

Gadsden State Cherokee
801 Cedar Bluff Road
Centre, AL 35960
256.927.1800

McClellan Center
100A Gamecock Drive
Anniston, AL 36205
256.238.8342

St. Clair Instructional Site
St. Clair Correctional Facility
1000 St. Clair Road
Springville, AL 35146
205.467.7946

Valley Street Campus
600 Valley Street
Gadsden, AL 35901
256.549.8670

Wallace Drive Campus
1001 George Wallace Drive (35903)
P.O. Box 227 (35902)
Gadsden, AL
256.549.8200
Gadsden State Community College
Gadsden State Cherokee

Gadsden State Community College
McClellan Center
General Information

History

GSCC is a public, open-door comprehensive community college under the control of the Alabama Community College System. On July 8, 2003, the College was created by the consolidation of Harry M. Ayers State Technical College and Gadsden State Community College.

Harry M. Ayers State Technical College was created by an act of the Alabama Legislature on May 3, 1963, as Harry M. Ayers State Trade School. Later in 1973, the Alabama State Board of Education designated the institution as a technical college. Harry M. Ayers State Technical College is now identified as the Harry M. Ayers Campus of Gadsden State Community College.

The College initially became Gadsden State Community College on February 28, 1985, when the Alabama State Board of Education merged Alabama Technical College, Gadsden State Technical Institute, and Gadsden State Junior College.

Alabama Technical College was founded as the Alabama School of Trades in 1925 and was the first state-operated trade school in the southern United States. In 1973, the name of the "trade school" was changed to Alabama Technical College, and it is now identified as the East Broad Street Campus of Gadsden State Community College.

Gadsden State Technical Institute, the second oldest component of Gadsden State Community College, began operations in 1960 as Gadsden Vocational Trade School, a private training facility. Two years later the State of Alabama assumed ownership of the school and in 1972 renamed it Gadsden State Technical Institute. In 1997, the U.S. Department of Education designated this institution as a "Historically Black College or University" (HBCU). It is now identified as the Valley Street Campus of Gadsden State Community College.

In 1965, Gadsden State Junior College was established. The Junior College is now identified as the Wallace Drive Campus of Gadsden State Community College.

In addition to these campuses, Gadsden State Community College operates the McClellan Center in Calhoun County, Gadsden State Cherokee in Cherokee County, and an instructional site at St. Clair Correctional Facility.

The Alabama Community College System has designated as the College's service area the following counties: Calhoun, Cherokee (all but the northern one-sixth), Cleburne, Etowah, and St. Clair (the northeastern third).

Alabama Community College System Mission Statement

The Alabama Community College System mission is to provide a unified system of institutions dedicated to excellence in delivering academic education, adult education, and workforce development.

Mission Statement

Gadsden State Community College serves its diverse communities by offering quality academic education, workforce development, and adult education opportunities that are accessible and affordable and that foster lifelong learning and global awareness.

Institutional Goals

1. Provide educational opportunities that include basic knowledge of general education core requirements, such as communications, humanities, social sciences, mathematics, natural sciences, and computer skills for certificate and degree programs
2. Prepare students to perform successfully at transfer institutions
3. Provide career and technical education that prepares students for employment, retraining existing employees, and promotes local and state workforce development initiatives while providing business and industry training that meets employer needs
4. Maintain and expand a broad range of technologies in the delivery of innovative traditional and distance learning programs, student services, research and communication
5. Provide adult education, continuing education and personal enrichment opportunities
6. Establish, maintain and promote partnerships to respond to the needs of the community while improving community awareness of the College
7. Provide students of varied backgrounds and abilities with the educational support services that will assist them in achieving educational and career goals
8. Integrate diversity initiatives in the delivery of programs, student services, recruitment of faculty and staff, and community relations
Assurance of Compliance with Federal Laws

See Appendix A (Page 209)

Admission Policies and Procedures

If an individual wishes to enroll in one or more credit courses offered by GSCC, he/she must first apply online for admission to the College. If a citizen of the United States or a permanent resident, the applicant must apply for admission through the Gadsden State Office of Admissions. If an international student, the applicant must apply for admission through the Gadsden State International Programs Office which is located in Naylor Hall. NOTICE: All applicants must request that their high school and each college attended mail an official academic transcript to Gadsden State Admissions Office. Failure to submit official academic transcripts prior to registration will negatively affect the applicant’s financial aid.

The requirements and procedures for admission are recommended by the Registrar for approval by the Admissions Committee, which acts under the policies of the Alabama Community College System. Persons seeking admission must complete online the Gadsden State “Application for Admission” and submit appropriate documentation as required, including one primary form of identification. (Alabama Community College System 801.01 revised May 14, 2014.)

All male students between the ages of 18 and 26 must verify that they have registered with the U.S. Selective Service System in accordance with 36-26-15.1 of the Code of Alabama of 1974 (as amended).

Even if students are admitted to Gadsden State, they will have to satisfy additional admission requirements if they wish to enter one of the following areas: any HEALTH-RELATED program and REALTIME REPORTING. For more information about these programs, those interested should see the appropriate program director.

All College admission policies are applicable to eLearning courses and programs.

Procedures for Admission

First-time Student
An applicant who has never enrolled at GSCC must submit the following documents:

1. A completed online admission application (http://ssb.gadsdenstate.edu)
2. For admission to an Alabama Community College System institution an applicant must provide one primary form of identification (examples are an unexpired Alabama driver's license; an unexpired Alabama identification card; an unexpired U.S. passport; an unexpired U.S. permanent resident card) per Alabama Community College System Policy 801.01. (http://www.gadsdenstate.edu/faculty-and-staff/student-id.php)
3. Required transcripts
   a. A first-time college student must have an official high school transcript with date of graduation or a GED transcript (and other documents required for first-time students) sent directly to the Admissions Office.
   b. A high school student enrolled in the accelerated program must have the appropriate recommendation from the high school certifying official. (http://www.gadsdenstate.edu/faculty-and-staff/documents/accelerated.pdf)
   c. A high school student enrolled in the dual credit program must have the appropriate recommendation form from the high school principal and the local superintendent of education. (http://www.gadsdenstate.edu/faculty-and-staff/documents/DualEnrollmentForm2.pdf)
   d. A transfer student must have official transcripts from his/her high school and all colleges or universities previously attended mailed to the Admissions Office or sent electronically or hand delivered in an unopened, sealed envelope directly to the Admissions Office. Transcripts are mandatory even if postsecondary institutions are not regionally accredited and if none of the credits will transfer to this institution or needed for intended degree. EXCEPTION: An applicant who has a baccalaureate degree will need to submit only a transcript from the institution awarding the degree.
   e. A transient student must submit a transient letter from the parent institution. No transcripts are required for transient students.
   NOTICE: GSCC will accept official electronic transcripts. Failure to submit official academic transcripts prior to registration will negatively affect the applicant’s financial aid.
4. Completed and signed signature page (supporting documentation may be required)
NOTICE: Credentials for admission, such as transcripts, should be mailed directly to Gadsden State Community College Admissions Office. (All transcripts must be received prior to the issuance of the first semester grades.)

Returning Student
A student who has previously enrolled at GSCC but who has not been in attendance for one year must submit the following items before further enrollment.

1. A re-admit application online at http://ssb.gadsdenstate.edu
2. Official transcripts from all institutions attended since original admission to our institution. This will include a high school transcript not previously submitted.
3. Primary Form of Documentation or two Secondary Forms of Documentation of U.S. Citizenship (801.01)

Admission of U.S. Citizens
U.S. Citizens seeking admission to Gadsden State must apply online at www.gadsdenstate.edu. For admission information, applicants may also refer to the website for the current catalog and current schedules; telephone 256.549.8210 or call toll-free 1.800.226.5563.

All applicants will be placed into one of the following categories:

1. **First-time freshmen** have completed high school or the equivalent but have never attended any college. First-time students must request and ensure that their high schools mail official completed transcripts of their high school scholastic records directly to the Gadsden State Admissions Office, or the students must request that official copies of the GED scores be mailed to the Admissions Office. Official transcripts can be submitted in person as long as envelope is unopened and sealed. In addition, students must comply with all admission requirements listed elsewhere in this catalog.

2. **Transfer students** have attended one or more regionally accredited colleges or universities other than Gadsden State but wish to continue their education at Gadsden State. Transfer students must provide an official transcript from his/her high school and an official transcript from all other non-accredited or regionally accredited colleges and universities previously attended. Transcripts may also be sent by official electronic means.

3. **Transient students** are students who desire to enroll at Gadsden State, fully intending to return to their previous colleges or universities to complete their studies. Transient students must request and ensure that the Registrar of their regular (permanent) college or university send directly to Gadsden State Admissions Office a letter of transience, indicating that the course(s) to be taken at Gadsden State will be acceptable at that institution. Letters of transience must be on file prior to the student's registration for courses. Transient students are not eligible for federal student aid.

4. **Re-admit students** are those former Gadsden State students who have not attended Gadsden State within the past full academic year. Re-admit students must complete the online re-admission application plus one Primary Form of Identification. If students have attended one or more colleges and/or universities since their original admission to Gadsden State, they must submit an official transcript from each institution to the Gadsden State Admissions Office. If the student has never submitted his/her high school transcript, this will also be required per new regulations. This documentation must be received to be cleared in Admissions.

5. **Accelerated students** are high school students who have completed the tenth grade and who have been approved to enroll for course credit in Gadsden State courses while they are still attending high school. Accelerated students must see that all documents specified in the section for “Accelerated Students” are submitted to the Gadsden State Admissions Office. Accelerated students are not eligible for federal student aid.

6. **Dual enrollment students** are high school students who have completed the ninth grade and who have been approved to enroll for dual credit (college and high school) in Gadsden State courses while they are still attending high school. Dual enrollment students must see that all documents specified or alluded to in the “Dual Enrollment Students” section of this catalog are submitted to the Gadsden State Admissions Office. Dual enrollment students are not eligible for federal student aid.

7. **Personal enrichment students** are students who desire to take courses but who do not intend to fulfill the requirements for a degree. Personal enrichment students must complete the same documents required of the first-time freshman and/or the transfer student. Personal enrichment students are not eligible for federal student aid.

8. **Senior adult students** are students who may qualify for tuition assistance scholarships because they are sixty (60) years of age or older. Senior adult students must complete the same documents required of the first-time freshman and/or the transfer student. Senior Adult Waivers will be limited based on available funds.
Admission Requirements to Non-Degree (Certificate) Courses
An applicant to a course not creditable toward an associate degree and to a program comprised exclusively of courses not creditable to an associate degree may be admitted provided the applicant meets the above standards or is at least 17 years of age and has not been enrolled in secondary education for at least one calendar year (or upon the recommendation of the local superintendent). In addition, a student may be allowed to enroll in such "institutional credit only" courses as developmental English, mathematics, and reading. For additional information, applicants may contact the Office of Admissions.

Applicants with less than a high school diploma or GED shall be classified as non-degree-eligible and shall not be allowed to enroll in a course creditable toward an associate degree unless the applicant meets the above standards. These students are not eligible for federal student financial aid, but will be allowed to register for certain certificate programs.

Admission of First-Time College Students
For unconditional admission, applicants must have on file at the College a completed application for admission and AT LEAST ONE of the following:

1. An official transcript showing graduation with the Alabama High School Diploma (standard, credit based, occupational, or advanced), the high school diploma of another state equivalent to the Alabama High School Diploma, or an equivalent diploma issued by a non-public high school
2. An official GED certificate

NOTICE: An applicant who graduated from a non-accredited high school must have Carnegie Units which meet admission criteria (equivalent to the Alabama High School Diploma).

Conditional Admission of First-Time College Students
Conditional admission may be granted to an applicant who does not have on file at the College at least one of the documents as described in the "Unconditional Admission of First-Time College Students" section. Conditional admission is a strictly temporary circumstance in which the student will be permitted to enroll and attend classes until such time as the necessary documents are received by the College. All admission documentation must be received prior to the completion of the first semester of enrollment.

If all required admissions records have not been received by the College prior to issuance of the first semester grades, a registration "hold" will be placed on the student's account and the student's transcript will be held until this requirement has been met. Students attending under conditional admission are not eligible for federal student aid.

Admission of Non-Native English Speakers
All non-native speakers of English must provide proof of language proficiency by meeting one of the following options:

1. TOEFL (Test of English as a Foreign Language)—Minimum score of 500 PBT (paper-based) or 61 (Internet-based). Official score should be sent to Gadsden State, institution code 1262.
2. IELTS (International English Language Testing System) score of 5.5.
3. STEP (Society for Testing English Proficiency) Eiken score Pre-First
4. Alabama Language Institute (ALI): Students who study in ALI may meet the language requirement by completing the advanced level classes with a grade of A or B.
5. Completion of English Composition: Students transferring from another U.S. institution may meet the language requirement through completion of at least 3 credit hours in English Composition (101) with a grade of "C" or higher.

This policy applies to all non-native English speakers entering GSCC who have not received an American high school diploma or GED or who do not have credit for English Composition (101) from a regionally accredited U.S. institution. Contact the International Office for more information.

Admission of Transfer Students
An applicant who has previously attended another regionally accredited postsecondary institution will be considered a transfer student and will be required to furnish official transcripts of all work attempted at all said institutions, including the transfer student's official high school transcript.

A transfer student who meets requirements for admission to a course creditable toward an associate degree shall be classified as a "degree-eligible student." A transfer student who does not meet these requirements shall be classified as a "non-degree-eligible student." Non-degree-eligible students are not eligible for federal student aid.

An applicant who has completed the baccalaureate degree will be required to submit only the transcript from the institution granting the baccalaureate degree.
Conditional Admission of Transfer Students
A transfer student who does not have on file official transcripts from all postsecondary institutions attended and any
additional documents required by the College may be granted conditional admission. No transfer student shall be
allowed to enroll for a second semester unless all required admissions records have been received by the College
prior to registration for the second semester. Under no circumstance will credit be granted until the student is
admitted unconditionally.

If all required admissions records have not been received by the College prior to issuance of the first semester
grades, a registration “hold” will be placed on the student’s account and the student’s transcript will be held until this
requirement has been met. Students attending under conditional admission are not eligible for federal student aid.

A transfer student whose cumulative grade point average (GPA) at the transfer institution(s) is 2.0 or above on a 4.0
scale will be admitted on clear academic status. A transfer student whose cumulative GPA at the transfer
institution(s) is less than 2.0 on a 4.0 scale will be admitted on academic probation only. The transcript will read
“Admitted on Academic Probation.”

An applicant who has been academically suspended from another regionally accredited postsecondary institution
may be admitted as a transfer student only after following the appeal process established at the College for “native”
students who have been academically suspended. If the transfer student is admitted upon appeal, the student will
enter the institution on academic probation. The transcript will read “Admitted upon Appeal – Academic
Probation.”

Admission of Transient Students
Any student from another college may attend Gadsden State as a transient student during any semester. The student
must submit an online application. A transient student is a student attending Gadsden State utilizing a letter of
transience. The letter should contain the courses approved by the student’s parent institution for transfer. A letter of
transience is valid for one semester only and must be on file in the Admissions Office prior to the student’s
registration. Transient students are not eligible for federal student aid.

Transfer of Credit
Whether one is a U.S. citizen or an international student, the following principles relating to transfer of credit earned
at one institution to another institution apply:

1. Coursework transferred or accepted for credit toward an undergraduate program must represent collegiate
coursework relevant to the formal award, with course content and level of instruction resulting in student
competencies at least equivalent to those of students enrolled in the institution’s own undergraduate formal
award programs. In assessing and documenting equivalent learning and qualified faculty, an institution may
use recognized guides that aid in the evaluation for credit. Such guides include those published by the
American Council on Education, the American Association of Collegiate Registrars and Admissions Officers,
and the National Association of Foreign Student Affairs. NOTICE: The student may check for transfer
credit on the website by logging into Self Service Banner (SSB), student online system.

2. A course completed at another regionally accredited postsecondary institution with a passing grade will be
accepted for transfer as potentially creditable toward graduation requirements.

3. A transfer grade of “D” will be accepted only when the transfer student's cumulative GPA is 2.0 or above. If
the student has a cumulative GPA of 2.0 or above, the “D” grade will be accepted the same as it would be
for “native” students. The exception to this rule is a grade of “D” in English Composition I, English
Composition II, and/or any math course at the one hundred (100) level and above, none of which will be
transferred.

4. Non-traditional credit may be extended based on a comprehensive evaluation of demonstrated and
documented competencies and previous formal training. Evaluations are made by qualified faculty and
approved by the appropriate chief instructional officer.

5. A transfer student from a collegiate institution not accredited by the appropriate regional association or
Council on Occupational Education may request an evaluation of transfer credits after completing fifteen
(15) semester hours with a cumulative GPA of 2.0 or above.

Early Admission for Accelerated High School Students
1. A student is eligible for early admission if he/she meets ALL of the following criteria:
   a. The student has successfully completed the tenth (10th) grade.
   b. The student provides a certification from the local principal and/or designee certifying that the
student has a minimum cumulative “B” average and recommending that the student be admitted
under this policy.
   c. The student has completed the high school prerequisite(s) for the postsecondary course in which
he/she wishes to enroll. For example, a student may not take English Composition until all required
high school English courses have been completed.
2. Exceptions may be granted by the Chancellor for a student documented as gifted and talented according to the standards included in the State Plan of Exceptional Children and Youth. Exceptions apply only to requirements “A” and “C” above.

3. All credit for coursework completed under these provisions is held in escrow until the student provides proof of high school graduation (final high school transcript). Transcripts issued prior to a student's high school graduation will be labeled “Conditional Credit.” Upon proof of high school graduation, this notation will be removed from the transcript. A student from a non-public, non-accredited high school must also provide documentation of an appropriate ACT (16) or SAT (790) score upon enrollment, or the student must provide documentation that he/she has passed the Alabama Public High School Graduation Examination.

**Dual Enrollment for High School Students**

Eligible high school students may enroll in college classes concurrently with high school classes, either on the college campus or at the high school, and receive both high school and college credit. There must be on file at Gadsden State a formal written agreement between the student’s local school board and Gadsden State before approval for dual credit/dual enrollment admission is granted. To be eligible, the student must meet the following requirements:

1. The student must be in grade 10, 11, or 12 or have an exception granted by the participating postsecondary institution upon the recommendation of the student’s principal and superintendent and in accordance with Alabama Administrative Code 290-8-9.17, regarding gifted and talented students.

2. The student must have a “B” average, as defined by local board of education policy, in completed high school courses.

3. The student must have written approval of the appropriate principal and the local superintendent of education. Student success in dual credit/dual enrollment is dependent upon both academic readiness and social maturity. Approval from the principal and superintendent indicates that the student has demonstrated both.

4. The student must meet the entrance requirements established by the College.

5. Students who are enrolled in grades 10, 11, or 12 may be deemed eligible to participate in dual credit/dual enrollment in occupational/technical courses pending demonstrated ability-to-benefit as documented by successful completion of COMPASS, which is approved by the Alabama Community College System.

6. All credit for coursework completed under these provisions is held in escrow until the student provides proof of high school graduation (final high school transcripts). Transcripts issued prior to a student’s high school graduation will be labeled “Conditional Credit.” Upon proof of high school graduation, this notation will be removed from the transcript. A student from a non-public, non-accredited high school must also provide an appropriate ACT (16) or SAT (790) score upon enrollment, or the student must provide documentation that he/she has passed the Alabama Public High School Graduation Examination.

**Senior Citizens**

Persons sixty (60) years of age or older may be eligible for a tuition waiver if they qualify for the Senior Adult Scholarship Program. The applicant must

1. Comply with the College’s admission standards as noted earlier in this catalog under “First-time students,” “Admission,” “Transfer Student,” or “Returning Student”;

2. Be an Alabama resident; and

3. Enroll for credit during the drop/add period only. (Non-credit enrollment and early registration are not covered under these provisions.)

Senior Adult scholarships will be limited based on available funds. The scholarship can cover up to six (6) hours per semester, not to exceed a maximum benefit of $690 per semester for the 15-16 award year. The Senior Adult scholarship will be available only after all other forms of financial assistance have been exhausted. The student is responsible for any fees or other charges applied to the general student body. Senior citizens granted a tuition waiver under the Senior Adult Scholarship Program may receive the tuition waiver only one time per course. **Any time a senior citizen repeats a course, the student is responsible for not only fees but also tuition.** NOTICE: Senior citizen course enrollment under the Senior Adult Scholarship Program is restricted to a space-available basis. A course will not be expanded beyond the optimal number to accommodate the enrollment of senior citizens attending under the Senior Adult Scholarship Program. Eligible students who choose to register for courses and receive the senior citizen tuition waiver must wait until the first day of class to register.

**International Students**

An international student (a first-time freshman, a transfer student, a transient student, or a re-admit student) must apply for admission to the College before the student may enroll in a course. To begin the admission procedure, the student needs to apply through the International Programs Office (PO Box 227, Gadsden, AL 35902). For more information, telephone 256.549.8324 or 256.549.8438, email international@gadsdenstate.edu or cgray@gadsdenstate.edu, or go to [http://www.gadsdenstate.edu/intloff/admission.php](http://www.gadsdenstate.edu/intloff/admission.php). **NOTICE:** International student applicants are not eligible for conditional admission status.
Click on any link to be taken to that entry

2015-2016 Catalog and Student Handbook

Admission Requirements

1. To be admitted to GSCC, an international student must submit to the International Programs Office each of the following: A certified original translated and evaluated copy of the student’s high school transcript, showing that the average grade was at least “C.” (Any accredited credential evaluation service may be used for evaluation.);

2. Competence in the English language as evidenced by a score of at least 500 (PBT) or 61 (iBT) on the Test of English as a Foreign Language; IELTS (International English Language Testing System) score of 5.5, or STEP (Society for Testing English Proficiency) Eiken score Pre-First

Exception #1: (1) A student from a country where English is the native language or from a country exempt from an English proficiency test or (2) a student who has graduated from an accredited high school in the United States or from an accredited American high school overseas or (3) a student who is applying for admission to the Alabama Language Institute (ALI) is exempt from the Test of English as Foreign Language. For more information about the ALI program, a student should see the section on “Alabama Language Institute” http://www.gadsdenstate.edu/all/alabama-language-institute.php in this catalog.

Exception #2: A transfer student who has successfully completed English Composition 101 or higher with a grade of C or above from a regionally accredited institution is exempt from an English proficiency test.

Exception #3: A student who (1) has completed one sixteen-week term in the Alabama Language Institute at the highest levels (Levels 5 & 6) in speaking/listening, reading, grammar, composition, and either Vocabulary 2 or TOEFL Strategies; (2) has passed all skill areas with at least a “B”; and (3) has a written recommendation from the ALI faculty to enter college may enroll in the College without an English proficiency test.

3. The ACCS Medical Record Form completed and signed by a physician attesting to the student’s good health and documenting required vaccinations and a current TB test or chest x-ray showing no active tuberculosis;

4. Affidavit of Support in the form of a certified statement from a person who assumes full responsibility for the student’s financial support with a signed declaration by the sponsor’s bank. All forms can be downloaded from www.gadsdenstate.edu/intloff/admission.php

NOTICE #1: A transfer student (that is, a student who has attended one or more U.S. colleges and/or universities other than Gadsden State and who wishes to pursue an education at Gadsden State) must also ensure that an official academic record transcript is sent directly to GSCC by the Registrar of each college and/or university that the student attended. In addition, the student must submit to the International Programs Office a completed Transfer Clearance Form.

NOTICE #2: Academic credits earned at a foreign university must be evaluated by World Education Services (WES), P.O. Box 745, Old Chelsea Station, New York, NY 10113-0745; website: www.wes.org; or any accredited credential evaluation service. The credential evaluation service should send the evaluation directly to Gadsden State Community College, Registrar, P.O. Box 227, Gadsden, AL 35902-0227.

NOTICE #3: All students holding a student (F-1) visa must have adequate health insurance coverage during all periods of enrollment and summer vacation. Repatriation and medical evacuation benefits need to be included under the health insurance policy. Health insurance policies, other than the policy recommended by Gadsden State, must have comparable benefits to be accepted. Students who do not comply with this requirement will be blocked from registration and blocked from sending a Gadsden State transcript.

NOTICE #4: A student from a country whose students have experienced difficulty in obtaining funds may be required by Gadsden State to deposit the required educational funds with the College when the student applies for admission. These funds, which will be held in trust for the student, will be controlled by the College and will be expended in accordance with the student’s needs.

Procedure for Making Application as an International Student

To Apply for the English Program (ALI or the College):

1. Download and complete Application for Admission Form http://www.gadsdenstate.edu/intloff/documents/intlapp.pdf

2. Complete the ACCS Medical Record Form.

3. Have sponsor complete an Affidavit of Support Form with a signed declaration by the sponsor’s bank.

And For Admission Directly to the College:

4. Also provide certified original translated and evaluated transcripts of grades sent to Gadsden State.

5. Submit adequate English proficiency test score (see Exceptions above).

NOTICE: A student approved for enrollment in regular Gadsden State, not ALI, courses must take the ACT COMPASS Placement Test to determine the correct placement in English and mathematics.
Registration Procedure

1. The prospective student must complete and submit an Application for Admission online (https://ssb.gadsdenstate.edu) and click “Apply for Admission” and then, First time user account creation.

2. The student must contact their high school(s) and/or previous college(s) attended to request that official transcripts be mailed directly to the Gadsden State Admissions Office. NOTICE: Registration is restricted until transcripts are received.

3. Next, the student must take the COMPASS Placement Test. NOTICE: Most students are required to be assessed; however, ACT/SAT scores may exempt students from further testing.

4. The student must then see his/her program advisor for help developing a class schedule. A complete advisor listing can be found in the “Advisors” section of this catalog or online at www.gadsdenstate.edu.

5. The student must register for classes. Online registration: https://ssb.gadsdenstate.edu, “Enter Secure Area” and follow the directions to look up classes. On-campus registration: Available at times and dates listed in the College calendar.

6. The student must complete payment of tuition and fees. NOTICE: A student’s registration is not confirmed until tuition and fees are paid or assumed by financial assistance. Students are encouraged to pay fees the same day they register to avoid deletion of their schedules.

7. The student must obtain a student identification (ID) card, which is also used as a library card. The ID is to be in the student’s possession at all times while the individual is on campus or participating in or attending College events.

8. The student must complete motor vehicle registration if he/she intends to have or use a motor vehicle on a Gadsden State campus or instructional site.

Registration for Classes

Once a student has been admitted to GSCC, the student may enroll in those courses for which he/she is qualified, but only during a time designated by the College as a registration period. (The Gadsden State calendar, which appears in this catalog, provides registration dates). Times and places are designated for priority and all other registrations. A complete list of all courses to be offered during a particular semester or during the summer term, along with the appropriate schedule of important dates for that semester or term, is published online prior to the time for registration. For additional information about these lists, schedules, and the registration procedure, students should access the Gadsden State website www.gadsdenstate.edu or contact the Records Office (256.439.6911).

Before a student can enroll in English Composition I (ENG 101) or in a credit-level mathematics course, he/she must take the appropriate placement test, which assesses the student’s preparedness for such courses. For information concerning those who may be exempt from this test or concerning the placement test, students should refer to Testing Services under the Student Services section of this Handbook.

Advisors are available to assist students in the selection of appropriate courses for any instructional program offered by the College. The names of advisors are listed with the programs of study in this catalog. Any student undecided about a program of study or enrolled in a general program of study should see an advisor in the Counseling and Advising, located at the One Stop Center on the East Broad Campus. Counselors will assist students with registration and the fee-payment process and provide general information about financial aid and scholarships.

Orientation to College

ORI 101: Orientation to College/ORT 100: Orientation for Career Students is a requirement for graduation for all degree- or certificate-seeking Gadsden State students. ORI 101/ORT 100 is offered during the fall, spring, and summer semesters and as an Internet course. (For more information about courses as lecture, hybrid, or online, students should see the “eLearning” section of this catalog.) Any student who is enrolled in five (5) or more semester credit hours must successfully complete the orientation requirement during the first term of enrollment at the College. A student who enrolls in four (4) or fewer hours per term must complete the orientation requirement during the term when he/she is enrolled in credit hours that reach a cumulative total of sixteen (16) semester credit hours taken at Gadsden State.

ORI 101/ORT 100 provides first-semester Gadsden State students with the campus resources and academic skills necessary to achieve educational objectives. The course emphasizes personal responsibility through the exploration of Gadsden State regulations, campus facilities, and student services. ORI 101/ORT 100 is also designed to help students develop effective study skills, library skills, critical thinking, and career goals. Upon completion of this course, students should be prepared to manage learning experiences successfully in order to meet educational and career goals.
The following persons are exempt from the ORI 101/ORT 100 graduation requirement:

1. Any student not seeking a degree or a certificate but taking courses for personal or employment reasons only, up to a cumulative total of sixteen (16) credit hours (At the point that a student has enrolled for a cumulative total of sixteen (16) credit hours or more at Gadsden State, he/she must successfully complete the orientation requirement.);
2. Any student who has an associate degree or higher;
3. Any student who has successfully completed a course equivalent to ORI 101: Orientation to College at another institution within the last twenty-four (24) months;
4. Any student who has transferred to Gadsden State with over 30 earned credit hours;
5. Any transient student; and
6. Any student enrolled in an academic program that must follow the Alabama Community College System Standardized Curriculum. (These programs include Licensed Practical Nursing and Registered Nursing.)

NOTICE: ORT 100: Orientation for Career Students is designed for students in non-degree-eligible programs or courses. All other students should enroll in the ORI 101: Orientation to College course.

F.O.C.U.S.
F.O.C.U.S. (Freshman Opportunities for College and Unlimited Success) sessions are for new incoming students and are scheduled during the summer semester. This session should be attended prior to the first semester at Gadsden State. During F.O.C.U.S., new students are familiarized with important, need-to-know information which includes the student computer system, student activities, financial aid, and general knowledge about the campus. F.O.C.U.S. provides new students the opportunity to meet with their advisor and register for Fall Semester classes. Students may contact the Counseling and Advising Center at 256.549.8307 or email counseling@gadsdenstate.edu for additional information concerning F.O.C.U.S.

eLearning

E-learning is defined as “an instructional delivery system which connects learners with educational resources” when learners and instructor are not in the same place. It is an approach to facilitate or enhance education by electronic means, allowing learners to receive instruction regardless of time and location.

GSCC provides an active eLearning program utilizing the Internet and videoconferencing. These courses are of the same high quality and teach the same competencies as Gadsden State's traditional on-campus courses. Additional information on eLearning is available at http://www.gadsdenstate.edu/academics/elearning/index.php

Tuition, Fees and Refunds

Tuition and Fees

After completing the registration process, a student must pay tuition fees either by Internet registration systems or in the Gadsden State Business Office at one of the following locations: Wallace Drive Campus, East Broad Campus, Ayers Campus, Gadsden State Cherokee, or the McClellan Center. Registration is not considered confirmed until all tuitions/fees are paid in full. Gadsden State accepts the following types of payment: cash, checks drawn on domestic banks in U.S. dollars only, money orders, travelers’ checks, and Visa, MasterCard, and American Express credit cards. The McClellan Center and Gadsden State Cherokee do not accept cash or credit card payments. The Internet registration system is available to accept payments by Visa, MasterCard, and American Express credit cards and can also provide the student with a current account balance. Checks must have the student’s identification (I.D.) number, or Gadsden State personnel will write the student’s I.D. number on the check. A student who prefers not to have his/her I.D. number on the check may pay tuition fees by cashier's check, money order, or cash, except for "mail-in" or "drop-in" payments. Students in default of any indebtedness to the College will not be allowed to register, graduate, receive transcripts, or transfer Gadsden State credits.

Financial assistance to attend GSCC is available to qualified United States citizens and eligible non-citizens. For information about such help, students should see the “Financial Assistance” section of this catalog.
The following tuition fees are required each semester or summer term and are subject to change without notice. In-state tuition fees are $134.00 per credit hour and consist of $115.00 per credit hour for tuition, $9.00 per credit hour facility renewal fee, $9.00 per credit hour technology fee, and a $1.00 ACCS reserve fee. In addition to paying the appropriate tuition and fees, a student may also be required to purchase certain necessary tools and supplies for some courses or programs.

<table>
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<th>Out-of-State</th>
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**Tuition and Fees for eLearning (Internet and Video) Courses Only**

The following tuition schedule relates to eLearning courses (Internet and video only). Tuition is $134 per credit hour in state and $268 for out of state. No other fees are to be charged.

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<tr>
<th>Credit Hour</th>
<th>In-State</th>
<th>Out-of-State</th>
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<th>In-State</th>
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</table>
**Sponsored Students**

Students for whom a third-party agency will be paying tuition, fees, and/or other educational expenses should see the Gadsden State staff member representing that agency before coming to the Business Office. The College will collect payments from the third party. If the third party refuses to make payment, the balance due becomes the student’s responsibility. These representatives and their office locations are listed below.

<table>
<thead>
<tr>
<th>Program</th>
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<td>Chapter 33 Post 9/11 GI Bill</td>
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<td>US Department of Labor</td>
<td>Wallace Drive</td>
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<td>Voc Rehab Skills Training</td>
<td>East Broad</td>
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<td>Vocational Rehabilitation</td>
<td>Ayers</td>
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<td>WIA-Academic</td>
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<td>WIA-Skills Training</td>
<td>East Broad</td>
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<td>WIA-Technical</td>
<td>Ayers</td>
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<tr>
<td>Other</td>
<td>Wallace Drive</td>
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</tbody>
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Tuition Categories
1. Residency Status
   Residency Status must be determined upon admission. Applicants must first satisfy the admission requirements stated in Alabama Community College System Policy 801.01: http://www.accs.cc/Policies/801.01.pdf
2. In-State Tuition
   The in-state tuition rate shall be extended to students who reside outside of Alabama in a state and county within fifty (50) miles of a campus of the Alabama Community College System institution, provided, however, that the campus must have been in existence and operating as of January 1, 1996.
   The in-state tuition rate shall be extended to students who have graduated from Alabama high schools or who have obtained a GED in the State of Alabama within three years of the date of their application for admission in accordance with the requirements set forth in the Code of Alabama.
   Students who are not eligible for in-state tuition based on the above requirements, may still qualify for in-state tuition. Please refer to the guidelines associated with this policy for a full explanation of alternative in-state residency requirements: http://www.accs.cc/guidelines/803.01_Guidelines.pdf. Note: In accordance with Section 702 of the Choice Act, out-of-state students receiving Chapter 30 or 33 VA benefits may be eligible for the in-state tuition rate. Please visit the VA Office at the College.
3. Out-of-State Tuition
   The out-of-state tuition rate shall be 2.00 times the in-state tuition rate, rounded up to the nearest dollar. International students must pay the out-of-state tuition rate.

NOTICE: Any student who was previously admitted to GSCC but who has not attended within one academic year must establish eligibility for in-state tuition upon re-enrollment. Students who cannot provide sufficient evidence of eligibility for in-state tuition will be charged out-of-state tuition.

Other Fees
GSCC also charges the following fees, all of which are subject to change without notice:
1. Placement Test Retesting Fee – No fee is charged for the first time a student takes the COMPASS Placement Test. To retake this test, the student will be charged a fee of $8.00. For further information, students should contact one of the following test centers: Gadsden, telephone 256.549.8497; Ayers, telephone 256.835.5411; McClellan, telephone 256.238.9348; and Gadsden State Cherokee, telephone 256.927.1800.
2. Student Accident Insurance – Students registering for the following courses or programs will be required to purchase student accident insurance through Gadsden State: Air Conditioning and Refrigeration, Aquaculture Technician, Auto Body Repair, Automotive Manufacturing Technology, Automotive Service Technology, Carpentry, Child Development/Child Care Assistant, Civil Engineering Technology, Computer Science Technology, Computer Science Technology/Microcomputer Repair Technician, Cosmetology, Diesel Mechanics, Drafting and Design Technology, Electrical Technology, Electronics Engineering Technology, Esthetics Technology, Industrial Automation Technology, Machine Tool Technology, Massage Therapy, Mechanical Design Technology, Nail Technology, Realtime Reporting, and Welding Technology. Notice: Courses or programs requiring student accident insurance are subject to change without notice.
   Student accident insurance costs $10.00 per semester – due at the time of registration – and is not subject to refund. Students majoring in other program areas may purchase student accident insurance, if desired. With no deductible, this insurance provides a medical benefit of up to $10,000 and an accidental death benefit of $7,500 and covers all activities and travel related to activities sponsored and supervised by the College. Please consult the policy for coverage and restrictions. For further information, contact Jason Milliron, Business Services Analyst, 127 Allen Hall, Wallace Drive Campus, or telephone 256.439.6831. Students participating in an athletic or band event as a representative of Gadsden State or riding on a bus as a representative of Gadsden State to or from a College-sponsored event are encouraged to obtain accident insurance or other insurance that provides coverage in case of an injury related to a College-sponsored event. In any case, students and/or their parents/guardians shall assume all responsibility and shall not hold the College liable for any injury resulting from an accident related to a College-sponsored event.
3. Room and Board – Students residing in the Gadsden State residence hall will be charged a room and board fee. The room and board fee pays for a double-occupancy suite, as well as for fifteen (15) meals per week in the Wallace Drive Campus cafeteria while classes are in session. The room and board fees based on double occupancy are as follows:
   - Fall Semester: $1,800.00*
   - Fall Mini I: $900.00
   - Fall Mini II: $900.00
   - Spring Semester: $1,800.00*
   - Spring Mini I: $900.00
   - Spring Mini II: $900.00

*Note: Any student who was previously enrolled at GSCC and who has not attended within one academic year must establish eligibility for in-state tuition upon re-enrollment. Students who cannot provide sufficient evidence of eligibility for in-state tuition will be charged out-of-state tuition.
### Full Summer Term (10 weeks) $1,125.00*
- Summer Mini I (no meal plan) $ 192.00
- Summer Mini II $ 563.00
- Summer Mini III $ 563.00

Subject to change
*There is also an additional reservation/damage/key deposit of $200.00 that the student must pay to be placed on a waiting list for a room. (The Refunds’ section that follows contains more information about the dormitory deposit refund.) A processing fee of $25.00 will be withheld from a student’s deposit if the student fails to cancel the reservation at least three weeks prior to the beginning of the semester. Rates for special course periods will be furnished. For further information, students should contact the Residence Hall Office at 256.549.8369.

4. **Diploma Fee** – Gadsden State graduates will be charged an amount (not subject to refund) equal to the actual cost of their diplomas. Students who need further information about diploma fees should contact the Admissions Office in the One Stop Center or telephone 256.549.8261.

5. **Transcript Fee** – There is no transcript fee. Students needing transcripts of Gadsden State academic records should contact the Records Office in the One Stop Center or telephone 256.549.8262.

6. **Administrative Fee** – If a student officially withdraws from all classes and if that withdrawal is dated the official first day of class through the end of the first three weeks of class, the amount assessed may be as much as 5% of tuition and other institutional charges, but the amount may not exceed $100.00. For further information, students are asked to contact Janice McCormick, 101 Allen Hall, Wallace Drive Campus, or telephone 256.549.8353.

7. **Returned Check Fee** – If a check has been returned because of insufficient funds or other cause, (1) the student will be charged $25.00 for each such returned check, and (2) the College will stop accepting checks for payments on that account. If within ten (10) days the student fails to make the check good with cash, credit card, a money order, or a cashier's check and/or if the student fails to pay the returned check fee, the student will be withdrawn from the College. Tuition fees will remain due on the student’s account subject to the refund policy as indicated below. If they remain unpaid, the College will file a claim in small claims court. This fee is not subject to refund. For additional information, students should contact the Business Office on the Wallace Drive Campus, 106 Allen Hall, or telephone 256.549.8215.

8. **Service Fee** – Any student whose returned check case is taken to small claims court will be assessed a service fee (currently $37.00) by the small claims court. For further information, students are asked to contact the Business Office on the Wallace Drive Campus, 106 Allen Hall, or telephone 256.549.8215.

9. **College-Level Examination Program (CLEP) Fee** – The CLEP provides students of any age with the opportunity to demonstrate college-level achievement through a program of exams in undergraduate college courses. Students will be charged a fee of $15.00 in order for Gadsden State to administer the CLEP test. Students will have to pay an additional amount directly to CLEP in order to take an exam. For additional information or to schedule an exam, students may contact the Testing Center in the One Stop Center at 256.549.8497.

**NOTICE:** A student who owes the College any fee, such as one or more of those described above, or a parking or moving vehicle violation fine, a book fine, etc., will be prohibited from enrolling at Gadsden State. Additionally, transcripts of the student’s Gadsden State academic records will not be released until such fees and/or fines have been paid.

### Refunds

#### Tuition
Students who completely withdraw from all classes before the first official day of classes or during the first three calendar weeks of classes will be refunded tuition and fees on the following bases:

<table>
<thead>
<tr>
<th>Withdrawal Period</th>
<th>Refund Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Withdrawal before the first official day of classes</td>
<td>100% refund of tuition</td>
</tr>
<tr>
<td>Withdrawal during the first week of classes</td>
<td>75% refund of net tuition</td>
</tr>
<tr>
<td>Withdrawal during the second week of classes</td>
<td>50% refund of net tuition</td>
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<tr>
<td>Withdrawal during the third week of classes</td>
<td>25% refund of net tuition</td>
</tr>
<tr>
<td>Withdrawal after the close of the third week of classes</td>
<td>No refund</td>
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</tbody>
</table>

**NOTICE:** This refund policy applies to the sixteen-week semester. Refunds of tuition for terms shorter than sixteen weeks, such as summer terms and mini-mesters, will reflect a prorated week based on the number of days in the term.
A student who drops one class before the official first day of classes or during the add/drop period while remaining registered for one or more other classes in that semester/term will receive a full refund of tuition and fees for the dropped class. No refund is due if a student withdraws from one class after the add/drop period while remaining registered for one or more other classes.

The **first official day of classes** is indicated on the College calendar as the day that classes begin for that semester. This day may not be the first day on which all classes begin. The calendar also indicates the **last day to add/drop**. For calculating refunds, a **week** is defined as seven (7) calendar days.

**Net tuition** is tuition minus the administrative fee as described in Item # 7 ("Administrative Fee").

**EXCEPTION 1**: A student is due a refund for a deleted class(es).

**EXCEPTION 2**: A student who is a **member of either the Alabama National Guard or the Reserves** and is called to active duty in a time of national crisis may be eligible for a refund.

**EXCEPTION 3**: The President has the authority to make exceptions to the refund policy in the event of the **death of a student or of a family member or other catastrophic event** requiring the student to leave the institution.

For more information about refunds, students may contact a Gadsden State Business Office: Wallace Drive Campus, 106 Allen Hall, telephone 549.8215; Ayers Campus, Administration Building, telephone 256.835.5440; McClellan Center, telephone 256.238.8342; or Gadsden State Cherokee, telephone 256.927.1800.

**NOTICE**: Financial aid recipients who completely withdraw are subject to Return of Title IV Funds Calculation as described in the “Financial Aid” section of this catalog.

A student with funds remaining in his/her student account after the final add/drop day of a semester or summer term will have a refund issued to him/her in the amount of this balance.

**Room and Board**

Per Alabama Community College System policy, students who officially withdraw from the residence hall before the official first day of classes or during the first three weeks of the semester/term will receive any refund due on the same basis as listed previously for complete withdrawals.

When a student exits the residence hall, he/she should apply for a **deposit refund**. Any tuition, fees, fines, or penalties that are owed Gadsden State will be deducted from the student's deposit refund. A student who does not owe GSCC any money will have the entire deposit refunded, with the exceptions noted below. A student must return his/her room key and leave the room in a satisfactory condition (free of damage). However, (1) if the room needs cleaning, a cleaning fee will be assessed as required and withheld from the deposit; (2) if the room needs painting, $50.00 will be withheld; and (3) if the key is not returned, $40.00 will be withheld. In addition, the student will be charged (4) $12.00 per night for failing to vacate the room by the stated time (24 hours after the last day of finals); (5) $12.00 per night for failing to remove personal belongings from the room by the stated time; and (6) $50.00 if a College official must remove personal belongings from a student's room. Personal belongings left at the College for thirty days are abandoned and considered property of the College. If the amount owed exceeds $200.00, the student will be responsible for paying the balance due.

If a student moves from the residence hall but fails to request a room deposit, the College will automatically refund the balance due.

**NOTICE**: Refund checks are mailed to the address on record in the Records Office. Tuition, fees, and fines owed by the student are deducted from that student's refund amount.

**Financial Assistance**

Students or prospective students who need financial assistance to attend GSCC may be able to receive help through one or more of the numerous programs offered or administered, including student financial aid programs funded by the Federal government and various institutional scholarships. In addition, Gadsden State may have available both restricted and unrestricted funds donated by individuals, businesses, industries, and service organizations. To receive such assistance, students must be selected based on criteria developed by the College Scholarship Committee. The following pages briefly explain the financial aid programs and the scholarships available to qualified Gadsden State students. Since the College cannot meet the financial needs of all applicants, students are also urged to investigate outside sources of aid.
Financial Aid
Most aid programs are based on the individual need of the applicant. To determine if a student is eligible for financial aid, a student needs to complete the Free Application for Federal Student Aid (FAFSA) on the web at www.fafsa.gov. The Gadsden State Title IV Code is 001017.

The FAFSA contains questions pertaining to the student's assets, income, year in college, etc. Students who are dependent on their parents, based on Federal Student Aid guidelines, must also submit information concerning parental income, assets, and other items.

Once the applicant completes and submits the FAFSA via the internet at www.fafsa.gov, the federal processor sends the applicant a Student Aid Report (SAR) and forwards information to the college(s) listed within approximately seven to ten days. The SAR is used by the College to determine eligibility for the Federal Pell Grant and other financial aid programs based on the student's expected family contribution (EFC).

Applicants and their parents are cautioned to complete all forms as honestly and accurately as possible. Any person who knowingly makes false statements is subject to a fine or imprisonment or both under provisions of the United States Criminal Code. Applicants are also reminded that they may be asked to substantiate information submitted on the FAFSA if selected for verification. Approximately 30% of all applicants are selected for verification each year.

Those selected for verification must provide documentation, such as IRS Tax Return Transcripts, in order to receive financial aid. Notification of documents required to complete the financial aid awarding process will be posted on Self Service Banner and sent to the student's Gadsden State email. Students are encouraged to check their College email accounts and Self Service Banner frequently.

Note that application for financial aid must be made for each academic year; no awards are automatically renewed from year to year. Although the College accepts applications throughout the academic year, April 15 has been established as the preference filing date for applying for certain types of assistance.

The following financial aid programs are currently available:

1. **FEDERAL PELL GRANT** awards are determined by the student's cost of attendance, EFC, and enrollment status.

2. **FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS (FSEOG)** are awarded to those eligible Federal Pell Grant recipients with the lowest EFC and highest unmet need. Priority will be given to students in converted credit hour programs.

3. **LEVERAGING EDUCATIONAL ASSISTANCE PARTNERSHIPS (LEAP) PROGRAM** funds are awarded to eligible Alabama residents who demonstrate need and who are enrolled at least half time.

4. **FEDERAL WORK STUDY (FWS)** funds are awarded to eligible students who complete FWS applications and demonstrate financial need. FWS awards provide pay for part-time work to eligible students. Note, positions are limited.

5. **PRIVATE EDUCATIONAL LOANS** are also available and are based on credit worthiness. Those interested should contact the Financial Aid Office for restrictions.

Those interested in detailed information on federal financial aid should request *The Student Guide* by writing the Federal Student Aid Information Center, P.O. Box 84, Washington DC 20044. Additional information may also be obtained in one of the Financial Aid Offices. The Gadsden State Financial Aid Office has locations in the One Stop Center, East Broad Campus (telephone: 256.549.8267); the Administration Building, Ayers Campus (telephone: 256.835.5420); Room 1216 of Building 3181, McClellan Center (telephone: 256.238.9341); and the Administration Building, Office 111, Gadsden State Cherokee (telephone: 256.927.1801).

Information provided is of a general nature and is not intended to explain in detail all financial aid programs. Programs described herein are subject to Federal, State, and institutional guidelines and are subject to change without notice.

Students who are determined to be eligible for Federal Pell Grants, Federal Supplemental Grants, Alabama or other grants, and Federal Work Study will receive an instruction letter via Gadsden State email and on Self Service Banner. This email notification will indicate what is required to complete the financial aid process.

Once financial aid has been awarded, an award letter will be sent via Gadsden State email and posted to Self Service Banner. Any assistance awarded is credited to the student's account to cover charges. If any credit balance remains once institutional charges are paid in full, a refund is issued and mailed to the address on file with the Records Office. Credit balance refund checks are mailed approximately two weeks after the full semester registration ends (following drop/add).
Financial Aid Satisfactory Academic Progress
Satisfactory Academic Progress will be measured each semester at GSCC. Students are required under federal regulations to maintain certain standards of progress depending on the number of hours they have attempted in college. It is the student’s responsibility to read and understand all policies associated with financial aid funding.

Satisfactory Academic Progress includes qualitative, quantitative, and rate of progression criteria. For the current SAP Policy click this link: [http://www.gadsdenstate.edu/current-students/financial-aid/SatisfactoryAcademicProgressPolicy.php](http://www.gadsdenstate.edu/current-students/financial-aid/SatisfactoryAcademicProgressPolicy.php)

Treatment of Financial Aid for Complete Withdrawal
A Return of Title IV Funds calculation is processed for a student who meets the following conditions: receives grant funds (or who meets the conditions that may entitle the student to a late disbursement), begins attending classes, and completely withdraws from the term. The Return of Title IV Funds calculation is a policy of the United States Department of Education that determines the amount of grant funds GSCC and/or the student are to return to a grant program. The term “Title IV Funds” refers to the Federal Financial Aid Programs authorized under the Higher Education Act of 1965 (as amended) that at GSCC include the following programs: Federal Pell Grants and Federal Supplemental Opportunity Grants (FSEOG).

The student’s recalculated grant award amount is used in the Return of Title IV Funds calculation. The percentage of Title IV aid earned is found by dividing the number of calendar days completed by the time of withdrawal date by the number of calendar days in the term. If the student has completed more than 60% of the term, the student is considered to have earned 100% of the Title IV aid. The amount of Title IV aid earned is found by multiplying the amount of aid disbursed for the term plus what could have been disbursed by the percentage of Title IV aid earned. If the amount earned is less than the amount of aid disbursed, the difference must be returned. If the student earned more than what was disbursed, a late disbursement may be due. If the amount earned equals the amount disbursed, no return and no disbursement are to be made.

GSCC returns the lesser of (a) the total amount of unearned aid or (b) an amount equal to the student’s institutional charges multiplied by the percentage of aid unearned. The student is billed for funds returned by GSCC.

The amount of aid GSCC is to return is then subtracted from the amount of Title IV aid to be returned to find the initial amount of unearned Title IV aid for the student to return. The total of Title IV grant that was disbursed and could have been disbursed for the payment period is multiplied by 50% to find the amount of Title IV grant protected. The amount of Title IV grant protected is subtracted from the initial amount of unearned Title IV aid for the student to return in order to find the amount of Title IV grant funds for the student to return. In the event of an overpayment, GSCC notifies the student, and the student may be allowed 45 days to pay the amount in full to the Gadsden State Business Office. If full payment is not made to GSCC within 45 days, payments must be made to the U. S. Department of Education. While the overpayment is due, the student remains eligible for financial aid generally for 45 days from the date of the overpayment.

The amounts returned by either GSCC or the student are then distributed based upon the following priority schedule: (1) Federal Pell Grants and (2) FSEOG.

The Financial Aid Office processes the Return of Title IV Funds calculation. A student who has questions regarding the calculation should contact Kelly D’Eath at 256.549.8266. Forms, worksheets, and examples of calculations are available in the Financial Aid Office.

Treatment of Financial Aid if a Student Stops Attending Classes or Ears No Passing Grades in a Term
A Return of Title IV Funds calculation is processed for a student who meets the following conditions: receives grant funds (or who meets the conditions that may entitle the student to a late disbursement), begins attending classes, and stops attending classes or earns no passing grades in a term. The Return of Title IV Funds calculation is described in the previous section “Treatment of Financial Aid for Complete Withdrawal.”

Alabama GI Dependents’ Scholarship Program
Although not administered by the Gadsden State Financial Aid Office, the Alabama GI Dependents’ Scholarship Program is another possible source of financial assistance for eligible students. This program is administered by the Alabama Department of Veterans Affairs for the benefit of an eligible dependent – a child, a stepchild, a spouse, or an un-remarried widow(er) – of a veteran (living or deceased) with a 20% or greater VA disability who was a permanent civilian resident of Alabama for at least one year immediately prior to entry into military service. Special consideration is given to dependents of permanently and totally disabled veterans who are bona fide residents or who were bona fide residents prior to their death. Other categories are dependents of former prisoners of war (POW), dependents of veterans declared missing in action (MIA), and dependents of those who died in service.
Maximum education benefits include tuition and fees (minus facility fee) at the in-state tuition rate and required textbooks. NOTICE: Remedial courses are not funded under the Alabama GI Dependents’ Scholarship Program.

Dependent children must file an application prior to age 26 (to age 30 in certain cases). A spouse or widow(er) does not have a filing deadline or age limitation.

For more information and application procedures, students or prospective students should contact the nearest Veterans Affairs Office, located in each Alabama county courthouse, or write to Alabama GI Dependents’ Scholarship Program, P. O. Box 1509, Montgomery, AL 36102-1509 or visit the Alabama Department of Veterans Affairs website, http://www.va.alabama.gov/gi_dep_scholarship.aspx

American Recovery and Reinvestment Act of 2009

The American Recovery and Reinvestment Act of 2009 provides tax relief for qualified student taxpayers or for the qualified parent or guardian taxpayer of a qualified student dependent. Certain qualified expenses that are incurred for studying at GSCC may result in “a credit against tax liability”.

The American Opportunity Credit is a replacement for the Hope Credit. The amount of the tax credit can be up to $2,500 for four tax years (including any year(s) Hope Credit was claimed) per eligible student. Qualified students are those who are not receiving Pell grants, who have not completed the first four years of postsecondary education, who are enrolled at least half time for at least one term in an undergraduate degree or certificate program, and who are free of any felony drug conviction. The tax credit is 100% of the first $2,000 and 25% of the next $2,000 out-of-pocket costs of tuition and fees, and course-related books, supplies and equipment.

Taxpayer Relief Act of 1997

The Taxpayer Relief Act of 1997 provides tax relief for qualified student taxpayers or for the qualified parent or guardian taxpayer of a qualified student dependent. Certain qualified expenses that are incurred for studying at GSCC may result in “a credit against tax liability”.

For those not eligible to receive the American Opportunity Credit, the Lifetime Learning Credit is available. The amount of the tax credit can be up to $2,000 for an unlimited amount of years per tax return. Lifetime Learning Credit is available for all years of postsecondary education and for courses to acquire or improve job skills. Qualified students are those who are not receiving Pell grants. There is no requirement that the student attend as much as half time, no degree requirement, and felony drug convictions are permitted. The tax credit is 20% of the first $10,000 out-of-pocket costs of tuition and fees only.

Students should note that Gadsden State Community College does not furnish tax advice. Such financial advice can be obtained from a personal tax advisor. IRS Publication 970 contains information about the qualification requirements of these tax credit plans. Interested persons may obtain a copy of IRS Publication 970 from the IRS website at www.irs.gov. Gadsden State will mail a Tuition Statement (IRS Form 1098-T) by January 31st of the following year to applicable students. The Tuition Statement reports the amounts billed during the year for qualified tuition and related expenses and provides the name and the telephone number of a Gadsden State contact person.

Scholarships

Students may be able to obtain scholarship assistance in addition to the financial aid programs described previously. Scholarships are awarded based on past academic/technical achievement, participation in extracurricular and leadership activities, and exhibited talents.

To be eligible for institutional waivers, students must be U.S. citizens or resident aliens. For more information regarding scholarships to GSCC, students should call 256.549.8203 or consult the Scholarship Listing (Appendix B page 213) for information pertaining to individual requirements and/or restrictions of scholarships offered. Scholarship offers are awarded on a competitive basis and are contingent upon applicant meeting admissions requirements and are based on available funding.

For information regarding transfer scholarships, student should call 256.549.8329.

Guidelines for Institutional and Athletic Scholarships

Full scholarships will cover tuition and fees, 12 credit hours or more, for fall and spring terms. Typically, the maximum number of credit hours that shall be provided by an institutional or athletic scholarship to any student shall be limited to the required number of credit hours in the student’s originally declared major (as described in this catalog). Courses required as a condition of accepting a scholarship (i.e., basketball players required to take PED 171: Beginning Basketball) shall be granted additional hours of scholarship eligibility.
Student Services

To fulfill its commitment to meet the needs of its diverse student body and to enrich the lives of its students, GSCC provides a broad array of both student services and academic support services. For more information, students may contact the Student Services Office located in 107 Allen Hall, Wallace Drive Campus, telephone 256.549.8270.

Alabama Articulation Program (STARS)

Because GSCC is in partnership with the Statewide Articulation and General Studies Agreement, students are assured that credit earned for Gadsden State courses identified as part of the core curriculum will transfer to any Alabama two- or four-year public institution of higher education.

The Alabama Articulation Program (also called STARS for Statewide Transfer and Articulation Reporting System) is Alabama’s web-accessible articulation and transfer planning database, which has been designed to inform students who attend Alabama community colleges about degree requirements, course equivalents, and other transfer information pertaining to specific majors at each state-funded four-year institution. As the information link between Alabama’s public two-year and four-year institutions, STARS efficiently and effectively provides students, counselors, and educators with accurate information upon which transfer decisions can be made. The STARS system, if used properly, can prevent the loss of course credit hours, provide direction for the scheduling of coursework, and ease the student’s transition from one institution to another.

This information is available to the public via the Internet. A variety of information, including an AGSC-approved transfer guide, may be obtained from the STARS website: http://stars.troy.edu.

Arledge Center for Adult Learners

The Arledge Center for Adult Learners assists adult students who are attending college for the first time or who are returning to college after an extended absence. Named in honor of Jo Ann Arledge – a Gadsden State alumna who dedicated her professional life to adult students – the Center provides advising and counseling services, tutorial services, assistance in career planning, study skills development, and peer networking. Open to both prospective and currently enrolled adult students, the Center is staffed and equipped to meet the unique needs of adult learners.

The Arledge Center promotes the standing goals of guiding learners to explore educational and career opportunities through academic and technical training. The Center offers support and motivation to individuals as they strive to reach their academic and personal goals. The Arledge Center is located in Brown Hall on the East Broad Street Campus. Those interested in the services provided by the Arledge Center may telephone 256.549.8462 for additional information.

Bookstore

A bookstore, operated by Barnes & Noble Booksellers, LLC, is located in the Inzer Student Center on the Wallace Drive Campus. Students can purchase books new or used, rent textbooks, or purchase an e-book. The bookstore also offers supplies, phone cards, Gadsden State clothing, and gifts. Normal business hours are 7:30 a.m. until 6:00 p.m. Monday and Tuesday; 7:30 a.m. until 4:00 p.m. Wednesday and Thursday; and 7:30 a.m. until 11:00 a.m. Friday. The bookstore maintains extended hours each semester during both the registration period and the first week of classes. Bookstore facilities are also provided at the McClellan Center and the Ayers Campus for limited hours. The bookstore provides services to students attending Gadsden State classes at Gadsden State Cherokee. Students may telephone 256.546.3334 (Wallace Drive Campus), 256.820.3414 (McClellan Center), 256.835.2707 (Ayers Campus). See the following link:

http://www.gadsdenstate.edu/current-students/bookstore.php

The bookstore refund policies are as follows:

Textbooks

- A full refund will be given in the original form of payment if textbooks are returned during the first week of classes with original receipt.
- With proof of a schedule change and original receipt, a full refund will be given in the original form of payment during the first 30 days of classes.
- No refunds on unwrapped loose leaf books or activated eBooks.
- Textbooks must be in original condition.
- No refunds or exchanges without original receipt.
General Reading Books, Software, Audio, Video and Small Electronics

- A full refund will be given in the original form of payment if merchandise is returned with 14 days of purchase with original receipt.
- Opened software, audio books, DVDs, CDs, music, and small electronics may not be returned. They can be exchanged for the same item if defective.
- Merchandise must be in original condition.
- No refunds or exchanges without original receipt.
- Merchandise must be in original condition.

All Other Merchandise

- A full refund will be given in the original form of payment with original receipt.
- Without a receipt, a store credit will be issued at the current selling price.
- Cash back on merchandise credits or gift cards will not exceed $1.
- No refunds on gift cards, prepaid cards, phone cards, newspapers, or magazines.
- Merchandise must be in original condition.

Returns and Exchange Process by Mail

Textbook returns must be postmarked during the first week of classes. Returns or exchanges should include a completed Return/Exchange Form and proof of schedule change, if applicable. The Return/Exchange Form is included as part of the original shipment. Students who do not have the Return/Exchange Form should submit the following information with a return/exchange:

- Name
- Address
- E-mail address
- Phone number and
- Order number (if available)

Send returns/exchanges to the store. Send returns/exchanges via prepaid shipping. The bookstore will not accept returns/exchanges via COD. Neither Barnes and Noble nor the college is responsible for lost return/exchange packages. Therefore, it is highly recommend that any mailed returns/exchanges be insured. The credit for the return will be applied to the form of payment used to make the purchase. Allow up to two credit card billing cycles for the credit to appear on student account statements.

Returns and Exchanges in your Campus Bookstore

Barnes and Noble will gladly accept returns/exchanges for online textbook purchases at the bookstore. Make sure the customer invoice/receipt is included when returning or exchanging textbooks. Returns and exchanges made in the on-campus bookstore must adhere to the same timeframes as returns or exchanges processed through the mail.

Fair Pricing Policy

Barnes & Noble College Booksellers comply with local weights and measures requirements. If the price on your receipt is above the advertised or posted price, please alert a bookseller and we will gladly refund the difference.

Cafeteria

The GSSC Cafeteria, operated by Sodexo Campus Services, is located on the lower level of the Inzer Student Center on the Wallace Drive Campus. This facility offers “hot-line” meals for breakfast, lunch, and dinner, with a complete salad bar, a dessert bar, and a beverage station. In addition, it has a grill and deli sandwich area, which is open for lunch and dinner and features hamburgers, fries, pizza (by the slice), and an assortment of cold sandwiches.

Students, faculty, staff, and the general public are welcome to dine or take out. The cafeteria serving periods are Monday through Friday as follows:

- Monday – Friday Breakfast 7:00 a.m. – 9:00 a.m.
- Monday – Friday Lunch 11:00 a.m. – 1:00 p.m.
- Monday – Thursday Grill Only 1:00 p.m. – 1:30 p.m.
- Monday – Thursday Dinner 5:00 p.m. – 6:30 p.m.

The cafeteria is closed for dinner on Friday nights. The cafeteria may be contacted at 256.549.8388 or website: http://www.gadsdenstate.edu/current-students/dining/index.html
Meal tickets can be purchased at the Wallace Drive Cafeteria.

Career Services
Gadsden State graduates and current Gadsden State students seeking full-time, part-time, or cooperative education employment opportunities should visit the Career Services Office, located in Room 207 of the Administration Building on the East Broad Campus. The staff is prepared to assist students with composing and evaluating résumés; creating letters of application; exploring career and work possibilities; developing interviewing skills; and networking with employers through campus interviews, job listings, direct application, and information technology. Computers are available in the Career Services Office for graduates and students to create résumés and cover letters and to research potential employment opportunities. In addition, information on the latest job postings is available online at the "Jobs on Wings" website: https://gadsdenstate-csm.symplicity.com/. A variety of information, including career resource materials, DVDs, and on-line career software, is also available to aid in the job search. For more information, students may contact the Career Services Office at 256.549.8635, or email careerservices@gadsdenstate.edu

Career Transitions Program
The Career Transitions program places community college career coaches in area high schools to provide awareness of the many career options available locally and statewide. Opportunities range from two-year degrees that prepare individuals for immediate gainful employment to general education coursework that prepares students for university transfer to complete a four-year degree. Career coaches are equipped with knowledge of current workforce trends, and present this information to high school students, acting as a link to business and industry. Classroom presentation topics include: career exploration, college planning, and employability skills. In addition to classroom presentations, coaches host college tours, visits to business and industry, and job shadowing opportunities for area high school students. The program features several large special events each year allowing students the opportunity to explore technical programs and meet area career professionals.

Career coaches also work closely with high school guidance counselors to provide individual guidance to students regarding college and career choices, admissions procedures, dual enrollment, financial aid, scholarships, and articulation. The goal of the Career Transitions program is to help ease the student's transition from high school to college and career, while increasing the rate of completion and success, and investing in the future workforce. For more information, contact the Career Transitions Office at 256.439.6861 or email lswnn@gadsdenstate.edu.

Counseling and Advising Center
The Counseling and Advising Center provides a staff of caring professionals to assist students with the academic and personal challenges they often face. Counselors/Advisors are prepared to assist students with each step of the academic process, including applying for admissions, testing, advising, preparing class schedules, conducting research on various career opportunities, as well as assisting with other services that might be needed for successful student life at Gadsden State. If life challenges interfere with college success, the Counseling and Advising Center may make referrals to outside agencies for students with personal needs. Students may experience personal or emotional situations that interfere with academic goals. The Counseling and Advising Center serves only as a referral service for students in need of intensive personal counseling. The Counseling and Advising Center partners with local community agencies and social service providers to assist students in need of additional services. The Counseling and Advising Center maintains a current Counseling Resources Guide that lists the aforementioned agencies/services. The guide is online and accessible to all GSCC students, faculty and staff under Counseling and Advising. Counseling and Advising services are located at the McClellan Center, in the One Stop Center on the East Broad Campus, in the Administration Building on the Ayers Campus, in the Learning Resources Building on the Valley Street Campus, and at Gadsden State Cherokee. Students may telephone 256.549.8307 or email counseling@gadsdenstate.edu for more information.

Disability Services
Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) prohibit discrimination against any qualified person regardless of his/her disability. The College strives to create a welcoming environment and will work in good faith to meet the needs of all populations. Reasonable and appropriate accommodations for qualified disabled students, applicants, employees, and visitors will be met unless to do so would present an undue hardship to the College or lower the academic standards of GSCC.

Persons with disabilities requesting accommodations should contact the ADA Coordinator or Assistant Coordinator on or nearest their campus to obtain forms for requesting accommodations and for documentation requirements, as well as to be informed of campus procedures involving accommodations. The following individuals serve as contacts: Dr. Danny Wilborn, Gadsden State ADA Coordinator, Gadsden Area Campuses, 256.439.6912, dwilborn@gadsdenstate.edu; Michele Conger, Assistant ADA Coordinator, Ayers Campus, 256.835.5451, mconger@gadsdenstate.edu; Chad Steed, Assistant ADA Coordinator, Gadsden State Cherokee, 256.927.1802, csteed@gadsdenstate.edu; Cindy Greer, Assistant ADA Coordinator, McClellan Center, 256.238.9348,
ggreer@gadsdenstate.edu; Evening and weekend requests may be made through the following contacts: Gadsden, 256.312.2132; Ayers, 256.310.8365; McClellan, 256.312.2128; and Gadsden State Cherokee, 256.927.1800. Accommodations must be requested for each school term. The student is responsible for providing adequate documentation of his/her disability, requesting accommodation through the appropriate campus officer, maintaining contact with that person, and notifying the officer of any changes in the accommodations needed and of new courses for which the student is seeking accommodations each semester.

Another resource for students with disabilities is Student Support Services (SSS). For qualified students, services such as assistance with disability accommodations, tutoring, and advisement are provided. The SSS offices are located at the Ayers Campus (256.835.5465) and at the Wallace Drive Campus (256.549.8208). For additional information, students should refer to the Student Support Services program description in this catalog.

Persons with hearing impairments can telephone Gadsden State at 1.800.548.2547, the Alabama Relay Center (Voice) number, and 1.800.548.2546, the Alabama Relay Center (TDD) number.

**Early College Enrollment Program (ECEP)**
The Early College Enrollment Program (ECEP) gives the high school student an opportunity to work toward a technical college degree, with free college tuition, while completing high school graduation requirements. It is a great benefit for students who want to advance into the workforce quickly with a technical degree. Qualified and motivated students can, in effect, graduate from high school and be very close to completing a high demand technical degree with no tuition burden.

In order to qualify for participation in ECEP, students must be in their junior or senior year, have passed all required exit tests, have a minimum grade point average of 2.5, and be interested in enrolling in a technical college program. Students accepted into the program take all of their classes, both the courses needed to graduate from high school and the technical courses in their degree program, on a Gadsden State campus. Interested students should contact their high school counselors or the Career Services Office at 256.549.8835 or email careerservices@gadsdenstate.edu.

**First Aid**
GSCC has first-aid kits available in all laboratories and shops in case of an accident or illness that requires immediate attention. A member of the faculty or staff will call 911 if a dangerous situation arises. Gadsden State does not assume any financial responsibility for expenses that may be incurred should off-campus medical aid be necessary, nor is the College responsible for providing transportation to receive medical attention.

**Fowler Residence Hall**
GSCC offers students the opportunity to live on the Wallace Drive Campus in Lewis W. Fowler Hall. This on-campus facility is convenient to classes and adjacent to recreation areas. Fowler Hall features semi-private suites with baths, as well as study areas, lounges, game rooms, laundry room, snack and drink vending machines, and in-room controlled heating and air conditioning, and Wi-Fi connection. Rooming is limited. Students are encouraged to apply for housing early. For information about living in the residence hall, students may contact the Residence Hall Director's office at 256.439.6868 or the front desk of Fowler Hall at 256.549.8369.

**GED Testing Center**
Gadsden State conducts GED testing for Gadsden/Anniston and the surrounding areas. Individuals seeking information may contact the GED Testing Center at 256-439-6820. All registration and scheduling for the GED test must be completed at [www.GED.com](http://www.GED.com) or at 1-877-392-6433. The GED test is a computer-based test consisting of four modules: Mathematics, Language Arts (Reading and Writing), Science, and Social Studies. To be eligible to take the GED test, an individual must (1) not be enrolled in a secondary school, (2) be 18 years of age or older (or if 16 or 17 years of age, officially withdrawn from public or private school), and (3) have proof of official withdrawal from high school - Exit Interview -or- Certificate of Exemption, and a notarized letter from a parent or guardian giving permission for his/her child to take the GED test.

**Resource Center**
Located in the One Stop Center on the East Broad Campus, the Counseling and Advising Resource Center is open to Gadsden State students, as well as to the public. The center provides a wealth of information for persons seeking guidance about careers, majors, colleges, and scholarships. The resource center includes on-line career development software, 4-year college/university catalogs, study skills information, and employment preparation materials. Also available are resource materials on selecting and gaining admission to appropriate business, medical, dental, or law schools and resources on effective preparation for such tests as the MCAT, LSAT, GMAT, TOEFL, and CLEP. Computers are available for on-line research related to careers and transfer colleges.
Student Support Services Program
The Student Support Services (SSS) Program at GSCC is designed to increase the retention and graduation rates of eligible students, to facilitate their transfer to other institutions, and to foster an institutional climate supportive of the success of low-income students, first-generation students, and students with disabilities who are enrolled or accepted for enrollment in Gadsden State programs. The SSS Program consists of the following components: Academic Tutoring, Academic Counseling, Transfer Advisement, Career Advisement, Cultural Events, Mentoring Services, Enrichment Seminars, Financial Literacy Seminars, Study Skills Seminars, Disability Services, Computer Literacy and Computer Labs. In order to participate in the SSS program, which serves 600 Gadsden State students, the student must apply to be in the program and must be accepted under the applicable eligibility criteria.

For more information about the eligibility criteria, the application procedure, and the types of services and accommodations available, students should contact Student Support Services, 213 Inzer Student Center, Wallace Drive Campus, telephone 256.549.8208; or Ayers Campus, telephone 256.835.5465. Student Support Services, one of the College’s TRIO programs, is totally funded by the U.S. Department of Education.

Testing Services
Most non-academic testing services at Gadsden State are coordinated by the Testing Center, located in the One Stop Center on the East Broad Campus. The staff administers various tests, including the ACT COMPASS (placement test), the ACT National Assessment, CLEP examinations, the Nursing TEAS, and ASE certification testing. Occasionally, members of the staff proctor other tests and examinations when requested to do so by Gadsden State instructors, by other educational agencies or by members of the community.

Placement Testing
Each institution in the Alabama Community College System must require all entering students who enroll in associate degree or certificate programs and those who enroll for more than seven credit hours or fourteen weekly contact hours, be assessed using a comprehensive assessment instrument. As mandated by Alabama Community College System Policy 802.01, the assessment instrument will be the COMPASS computerized assessment. The purpose of the placement test is to determine the math and English course level in which the student is eligible to enroll. Test results can be challenged and the student can retest once for a fee of $8.00. Test results are valid for a period of three years.

For information on placement testing, students should review the Testing Services page contained in the Gadsden State Community College website: http://www.gadsdenstate.edu/current-students/Testing-Services/index.php

The following students are exempt from the assessment requirement:
1. Those who have acceptable ACT or SAT scores:
   a. Students who score 470 or above on the SAT Writing or 20 or above on the ACT English within three years of enrollment are exempt from the English assessment requirement
   b. Students who score 470 or above on the SAT Verbal or 20 or above on the ACT Reading within three years of enrollment are exempt from the reading assessment requirement
   c. Students who score 470 or above on the SAT Math or 20 or above on the ACT Math within three years of enrollment are exempt from the math assessment requirement
2. Those who have an associate degree or higher
3. Those who transfer degree-creditable, college-level English or mathematics courses in which they earned a grade of “C” or better
4. Those enrolling for personal enrichment purposes only
5. Those enrolling in short certificate programs having no English, reading or mathematics requirements
6. Those who have completed required developmental coursework at another Alabama Community College System institution within the last three years
7. Those enrolling to audit a course
8. Those who can provide documentation of assessment by the ACT COMPASS within the last three years
9. Those who are transient students

Some persons may delay taking the placement test until or unless they plan to enroll in an English or a mathematics course. These persons include the following:
1. Senior citizens
2. Anyone not seeking a degree or a certificate but taking courses for vocational reasons only
3. Those in certain short certificate programs having no English or mathematics requirements
4. Transient students

Test of English as a Foreign Language (TOEFL)
The College provides another testing service specifically for international students and students who graduated from high school in a non-English-speaking country. Unless the student has graduated from an accredited high school in
the United States or from an accredited American high school overseas, or unless the applicant is from a country where English is the native language or from a country which is exempt from an English proficiency test requirement, the applicant must present an acceptable score on the Test of English as a Foreign Language (TOEFL) or another accepted English proficiency test. (Student should see "Admission of Non-Native English Speakers.") If the student is enrolled in the Alabama Language Institute (ALI), he/she will also need to take the TOEFL or another accepted English proficiency test and make an acceptable score or to complete one semester in ALI at the highest level (Student should refer to Exception #3.) to move to the regular Gadsden State curriculum. (The “Admissions Policies and Procedures” and “Alabama Language Institute” sections of this catalog provide additional information.)

GSCC offers the institutional TOEFL, which is given three times every year, at the close of each semester and the final summer term. Any student interested in taking the institutional TOEFL or wanting more information about this test should visit the International Programs Office (106 Naylor Hall, Wallace Drive Campus) or telephone 256.549.8438. In addition, Gadsden State is a testing center for the IBT (Internet-Based TOEFL). Other than the College, the nearest International TOEFL (IBT) testing centers are located in Birmingham, Alabama; Tuscaloosa, Alabama; Decatur, Alabama; and Atlanta, Georgia. Students must make an appointment to take the IBT by visiting the website www.ets.org/toefl. Appointments cannot be made through Gadsden State.

**Title III Program**
The Strengthening Historically Black Colleges and Universities (HBCU) Title III Program mission is to enhance the academic programs, fiscal management, and physical resources of the Valley Street Campus. Activities and services provided by the program address the enhancement of student support services, the integration of technology into curricula and instruction, and the improvement of physical facilities. Goals include increased student retention, achievement of students’ educational goals, and expanded capabilities of information technology for students and faculty. The Title III Grant Administration Office is located in the Prater Administration Building on the Valley Street Campus. For more information, individuals should contact Title III Director, at 256.549.8679. The Title III Program is funded by the U.S. Department of Education through its Historically Black Colleges and Universities Program (HBCU).

**Veterans Affairs**
Through its Veterans Affairs Office, GSCC cooperates with the Department of Veterans Affairs and with students who receive VA educational benefits to ensure that the objectives of the VA are pursued to the fullest advantage of both parties. The policies and procedures followed by the College are explained in the “College Regulations” section of this catalog. Additionally, information on the Alabama GI Dependent’s Scholarship Program is presented under “Financial Assistance.” Students may telephone the Gadsden State Veterans Affairs Office at 256.549.8207 or 256.835.5467 for more information.

**Veterans Upward Bound**
Veterans Upward Bound program (VUB), which is free to participants, is dedicated to providing eligible veterans with numerous educational and counseling services. The basic qualification is an honorable discharge from the armed forces of the United States. VUB offers to all eligible veterans free seminars on the following topics: study skills, computer usage, time management, communication skills, and career planning. The staff is trained to work with veterans on all academic levels. Veterans who have been out of the academic environment for a number of years will have their current skills evaluated. This evaluation will lead to an Individual Educational Plan (IEP) being developed by the staff in consultation with the student. Various options are available: self-paced study, tutoring, or group study. A veteran who is or who has been enrolled in college courses can receive academic counseling, registration assistance, free tutorial services, and use of the VUB computer laboratory. He/she may also qualify for participation in the VUB book loan program. All aspects of the program are designed to ensure each veteran’s academic success. Interested veterans are urged to call 256.549.8328 for assistance on the Wallace Drive Campus or 256.238.9354 for assistance at the McClellan Center or the Ayers Campus. Veterans Upward Bound, one of the College’s TRIO programs, is totally funded by the U.S. Department of Education.

For more information concerning Servicemembers Opportunity Colleges (SOC) Consortium click this link: http://www.gadsdenstate.edu/current-students/financial-aid/VeteransEducationBenefits.php

**WSGN**
Gadsden State owns a full-service public radio station, WSGN-FM 91.5, in cooperation with WBHM- FM 90.3 in Birmingham, Alabama. WSGN carries programs from National Public Radio and operates 24 hours per day, seven days per week.
Other Student Services

Beyond the traditional credit-bearing courses that lead to certificates or degrees in academic or technical programs and that are described elsewhere in this catalog, Gadsden State also offers a variety of other instructional packages, academic services, and community projects that are explained in this section of the catalog.

Adult Education Program

Adult Education Services are offered at no cost to qualified students through GED classes offered in Calhoun, Cherokee, Cleburne, and Etowah counties. GED classes serve the educational needs of those who are at least 17 years old, have no high school diploma, and are not currently enrolled in public school. In addition to GED classes, English-as-a-Second-Language and workplace education are offered through this program.

GED instruction is offered online to those who qualify. The program’s main objectives are to motivate students to complete high school and advance into postsecondary education and/or gain employment. Advantages for students’ obtaining a GED include:

1. Personal pride in educational accomplishment
2. Free WorkKeys exam
3. Becoming more employable
4. Participation in the fall or spring GED graduation
5. Opportunities for scholarships to Gadsden State
6. Free tuition for one college-level course at any two-year college in the state of Alabama

For more information on GED classes, call 256.835.5462.

Alabama Language Institute (English as a Second Language)

The Alabama Language Institute (ALI), located on the Wallace Drive Campus of GSCC, is an intensive, full-time English language program approved by and operated under the Alabama Community College System. It is a member of the EnglishUSA: The American Association of Intensive English Programs (formerly AAIEP) and has been in operation since 1973.

For an International student who has not attained a score of 500 (PBT), or 61 (iBT), or higher on the TOEFL (Test of English as a Foreign Language); a 5.5 on the IELTS (International English Language Testing Service); or pre-first on the Eiken, the Alabama Language Institute (ALI) offers a comprehensive course of instruction in all aspects of the English language. (Students should also see “Exceptions” under “Competence in the English Language.”) Upon qualifying for admission, an applicant may begin studies in any of the three regular sessions scheduled during the year. Sessions begin in August, January, and May. A student may enroll in ALI for as many sessions as needed, provided that he/she is making progress. Once placed in a level, the student advances to the next level by earning a minimum of a “C” average in each of the classes.

For more information on TOEFL, students should see the section on the “Test of English as a Foreign Language” in this catalog. For additional information about ALI, they may go to www.gadsdenstate.edu/ali/index.html; write to the International Programs Office, Gadsden State Community College, P. O. Box 227, Gadsden, AL 35902-0227; telephone 256.549.8389 or 256.549.8438; email international@gadsdenstate.edu or visit the International Programs Office in 106 Naylor Hall, Wallace Drive Campus.

Alabama Technology Network-Gadsden

Located on the East Broad Campus (Bevill Center), Alabama Technology Network-Gadsden (ATN-Gadsden) is a partnership of Gadsden State, the City of Gadsden, and the Alabama Technology Network. As a unit of the Alabama Community College System, the key mission is to improve economic development in the northeast region of Alabama through (1) workforce development and (2) technical/technological assistance to business and industry. Linking business, education, and government allows for identifying needs and delivering solutions to companies and their present and future workforce.

With a staff of ten highly-trained engineers and support technicians, ATN-Gadsden offers programs for many area companies. Computer, telecommunication, and manufacturing labs for both student and industry use are available as well as problem-solving technical assistance (consulting) to companies and organizations. For more information, call 256.549-8160 or visit the website at www.atn.org. The following is a partial list of the technology focus areas:
Articulated Credit
Articulation is designed to create a smooth transition for students from secondary education to postsecondary education by awarding college credit for career/technical courses taken in high school. Articulation agreements provide a basis for introducing students to a “pathway” through high school and college coursework into future employment. Advantages to students are that course content duplication is avoided, time to complete a degree is reduced, and the cost of postsecondary education is reduced. State articulation agreements are in place in many technical fields, and criteria for awarding articulated credit can be found on the Alabama Community College website: http://www.accs.cc/articulation.aspx. Students seeking articulation credit must submit to the Records Office a completed Career/Technical Education Course Articulation Credit Request Form. www.gadsdenstate.edu/faculty-and-staff/ie/documents/articulationcreditrequestform_000.pdf

Awarding Credit through Experiential Learning
1. Credit for experiential learning can be awarded only after the assessment of experiential learning experiences and only for documented learning that demonstrates achievement of all terminal objectives for a specific course or courses.
2. Course credit earned through experiential learning shall be noted on the student’s transcript as having been awarded through experiential learning.
3. Credit for academic transfer courses awarded through experiential learning may be awarded by examination or nationally recognized guidelines only (DANTES, Challenge Exams, ACE PONSI/CREDIT, and ACE/Military). Credit for experiential learning (portfolio review) may not be awarded for academic transfer courses.
4. In the process of determining if credit can be awarded for experiential learning, colleges shall charge students only for the cost of the experiential learning services and not for the amount of credit awarded.
5. There shall be a charge of $25 for each portfolio review to assess experiential learning for college credit. Documentation must be provided for each course for which credit through experiential learning is requested, and the $25 fee applies to each review of the documentation (e.g., individual is charged $50 if the person is seeking credit through experiential learning for two courses and thereby requires portfolio reviews in relation to those two courses). Students seeking credit for academic transfer courses through examination or nationally recognized guidelines are not charged a fee for experiential learning or for credits awarded through experiential learning.
6. No more than 25% of total credit required for any program may be awarded as a result of experiential learning, CLEP, etc. Credit awarded through experiential learning does not count toward the minimum of 25% of semester credit hours that must be completed at the college granting the degree as referenced in Alabama Community College System Policy 715.01.
7. Before receiving credit through experiential learning for a course, an individual must meet enrollment requirements of the course.
8. Credit may not be awarded twice for the same learning.

College Credit by Examination or Experience
The Alabama Community College System recognizes that individuals can develop mastery of course competencies through employment, training, and other experiences, which is termed “prior learning.” College credit can be awarded for prior learning toward courses whose terminal objectives have already been mastered to an acceptable degree of proficiency. The individual must document skill mastery, and experiential learning/college credit can only be awarded through an examination.
If a student achieves the required score, the student may receive credit through either the Advanced Placement Program Examination (AP) or through the College Level Examination Program General Examinations (CLEP) under the following conditions.

The Advanced Placement Program (AP) is a cooperative effort between secondary and post-secondary education. Students taking advanced placement courses in high school may take the Advanced Placement Examination after completion of those high school courses. College credit may be awarded to students based upon the results of the examination.

The CLEP offers a wide range of exams that can save you time and money. A satisfactory score on an exam allows you to receive college credit for what you already know. More information regarding CLEP credit granting policies is available at www.collegeboard.org/clep or in the Testing Department. CLEP score currently accepted are as follows:

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<th>CLEP Test</th>
<th>GSCC Credit</th>
<th>ACE Score Minimum</th>
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<td><strong>BUSINESS</strong></td>
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<td>Financial Accounting</td>
<td>BUS 241 Principles of Accounting I</td>
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<tr>
<td>Information Systems and Computer Applications</td>
<td>CIS 146 Microcomputer Applications</td>
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<td>Introductory Business Law</td>
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<td><strong>COMPOSITION AND LITERATURE</strong></td>
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<td>HUM 102 Introduction To Humanities I</td>
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<td>History of the United States I: Early Colonization to 1877</td>
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<tr>
<td>History of the United States II:1865 to Present</td>
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<td>Western Civilization II: 1648 to Present</td>
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<td><strong>SCIENCE AND MATHEMATICS</strong></td>
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<td>Biology</td>
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<td>Calculus</td>
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<td>Chemistry</td>
<td>CHM 111 College Chemistry I</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td>CHM 112 College Chemistry II</td>
<td>50</td>
</tr>
<tr>
<td>College Algebra</td>
<td>MTH 100 Intermediate College Algebra</td>
<td>50</td>
</tr>
</tbody>
</table>

The ACT Assessment is also administered at the various College campuses on multiple national testing dates. A complete schedule of the ACT national testing dates is available from the ACT official website: www.act.org. For information on ACT, CLEP, and COMPASS placement testing, call 256.549.8497. The COMPASS is also available at our other campuses. Please contact the location nearest you for more information. Ayers Campus-Anniston, 256.835.5400; Gadsden State Cherokee-Centre, 256.927.1800; McClellan Center-Anniston, 256.238.8342; Wallace Drive Campus-Gadsden, 256.549.8497.
Consortium for Alabama Regional Colleges for Automotive Manufacturing (CARCAM)
CARCAM is a consortium of eleven community and technical colleges throughout Alabama who are funded by a grant from the National Science Foundation to recruit and to educate students and incumbent workers in the fields related to automated manufacturing. The Advanced Technological Education (ATE) Regional Center of Excellence is located at Gadsden State, the fiscal agent for the grant. CARCAM collaborates with numerous automotive and automated manufacturing partners and economic development initiatives in the region. Member colleges offer degrees and certificates in Automotive Manufacturing Technology (AUT) to prepare students for the highly technical fields of automotive and related manufacturing careers. Student scholarships are offered through the Alabama Automotive Manufacturing Association (AAMA) and applications and eligibility requirements are available on the following websites: www.carcam.org or www.alautoindustry.org. For additional information, contact the CARCAM Director at bhlenderbrand@gadsdenstate.edu or 256.439.6870.

Continuing Education
The Continuing Education Department is committed to linking College and community resources to provide quality enrichment programs to people of all ages. The Center offers a variety of fee-based workshops, classes, community-service activities, and continuing education courses designed for those who want to keep learning but who are not necessarily interested in earning academic credit or pursuing a college degree. Classes are designed for people in search of life enrichment and those striving for personal and professional growth. Programs are provided for traditional and non-traditional students and may be targeted to individuals in business, government, professional organizations, and social services.

Continuing Education at Gadsden State offers something for everyone, with two major divisions of courses: professional development and personal enrichment. Programs are provided for youth, adults, and seniors in a variety of formats, such as seminars, workshops, and short courses. Satellite conferences and special events are also presented.

The Center’s mission is to serve the diverse and changing needs of the community by offering a broad range of courses responsive to individual, business, and community needs. Courses appear in the schedule of traditional Gadsden State classes each semester and on-line at www.gadsdenstate.edu/academics/continuing-education.php. For information, individuals may visit or call the Continuing Education offices in Brown Hall, East Broad Campus, 256.549.8305 or 256.549.8462. For information about classes offered at the Ayers Campus and the McClellan Center, call 256.832.1217. For Gadsden State Cherokee, call 256.927.1806.

Cooperative Education (CO-OP)
Cooperative Education is a powerful educational tool that merges in-class instruction with job-training experiences. The Cooperative Education experience is an arrangement whereby an integral part of the student’s education is actual work experience.

To enter the program, the student must have declared a program area of study, be able to receive a favorable recommendation from the program area instructor, and have successfully completed at least one semester (12 semester hours) within his/her chosen field of study with an overall grade point average of at least 2.5 on a 4.0 scale. Arrangements with a prospective employer must be worked out to the satisfaction of both the employer and the program advisor.

The student may receive from one to three semester credit hours, depending on the number of hours per week worked in an approved cooperative education experience. State policy permits Gadsden State to award one (1) semester hour of credit for each five (5) hours of work per week. The student should refer to the appropriate portions in the “Programs of Study” and “Course Descriptions” sections of this catalog to be certain that cooperative education credits are applicable toward the requirements for his/her degree program.

Students interested in the Cooperative Education Program may visit the Career Services Office, located in the Administration Building, Room 207, on the East Broad Campus, or call 256.549.8635. www.gadsdenstate.edu/current-students/jobs

Developmental Studies
Gadsden State offers courses in English, mathematics, and reading designed specifically for those students who need to improve their ability to benefit from higher education. These courses produce institutional, non-transferable credit only and will not satisfy the requirements for degrees, certificates, and diplomas. These courses allow students to begin studying at their own level in order to develop the skills and knowledge that they will need to attempt regular credit-bearing courses. Descriptions of these courses (ENG 092, and 093; MTH 090, 091, 092, and 098; and RDG 083, 084, and 085) appear in the “Course Descriptions” section of this catalog. For more information about developmental studies, individuals should contact the appropriate academic department.
Educational Talent Search

The Educational Talent Search (ETS) Program is designed specifically for eligible middle school and high school students and others who have dropped out of school but wish to study for the GED certificate. The main objective of ETS is to motivate eligible students to complete high school and to advance into postsecondary education. The services offered include the following: tutoring, personal and career counseling, admissions and financial aid counseling, mentoring, seminars, college visits, and field trips. This program serves the citizens of Calhoun, Cherokee, Cleburne, and Etowah counties. For more information, individuals should call the program coordinator on the Gadsden Campus (256.549.8374 or 256.549.8378) or on the Ayers Campus (256.832.1226 or 256.832.1238).

Educational Talent Search, one of the College’s TRIO programs, is totally funded by the U.S. Department of Education.

Honors Courses

Students with a special academic interest or motivation may “contract” for a course to have an “H” (honors) designation. A student may contract one or several courses. The individual instructor may allow “H” credit or not, but the committee and director of the Honors Scholar Program will develop guidelines and will work with instructors to encourage “H” credit.

Typically an “H” designation requires approximately one (1) additional credit hour’s work in a three- or four-hour course. The “H” designation may involve special project(s) or additional breadth or depth in the course material. “H” designation is NOT designed to make the course more difficult but to result in learning outside of the normal coursework. A student will receive the grade that he or she would otherwise earn in the course, plus “H” designation.

NOTICE: A student does not need to be admitted to the Honors Scholar Program to contract for individual honors credit.

Honors Scholars Program

The Honors Scholars Program is for high-achieving students who seek a more intellectually challenging and creative college experience. Students must apply to and be admitted to the Honors Scholars Program by completing an Honors Scholars Application. (To be considered for a scholarship, a student should also complete the Scholarship Application.) For more information contact the Honors Scholars Program at 256.549.8416 or dmurdock@gadsdenstate.edu.

Applicants

Applicants will be accepted into the program based on high school or lifelong achievement, test scores, and community or school activities and leadership. The following test scores will be used as benchmarks for admissions, but students may be admitted based on other exceptional achievement or service:

1. A high school ranking in the top 15% of the graduating class;
2. A grade point average of 3.50 or above;
3. A score of 1200 or above on the SAT (math & verbal) or a composite score 25 or above on the ACT.

Other Students

1. High school graduates who did not rank in the top 15% of their respective high school classes OR
2. High school graduates from non-accredited high schools OR
3. Students who completed a G.E.D. OR
4. Students who are returning to school after an extended period are eligible to apply for the HONORS SCHOLARSHIP if they have scored exceptionally high on the COMPASS Placement Test.

Honors Students will

1. take a minimum of five (5) “H” designation courses, including at least one HONORS SEMINAR;
2. enroll in a one-hour HONORS SEMINAR during the fall semester of the freshman year; and
3. be expected to attend a minimum of two HONORS EVENTS during each academic year, including lectures, concerts, and other designated events.

Advantages

1. Gadsden State Scholarships — A maximum of 20 continuing Gadsden State scholarships will be awarded annually to students who will be designated as HONORS SCHOLARS.
2. Diploma Designations — Students who fulfill the requirements will be designated as “HONORS SCHOLAR” on the graduation diploma.
3. Early Registration — HONORS SCHOLARS will be able to register the day before official registration begins.
4. Personal Mentoring and Advisement — HONORS SCHOLARS will be paired with special faculty mentors. Mentors will be Gadsden State faculty or administrators, and pairings will reflect a student’s interests and goals. The mentors will serve as special advisors for student schedules, academic mentorship, professional mentorship, internships, etc.
5. Commencement Medallions — HONORS SCHOLARS will be presented with special commencement medallions to wear during graduation exercises.
6. **Special Honors Area** — A special HONORS SCHOLARS area will be available at the Wallace Drive Campus. This area will be open to HONORS SCHOLARS and accompanying friends. Internet access and a television will be available.

7. **Computers** — HONORS SCHOLAR scholarship recipients will be provided with portable computers while enrolled in the HONORS SCHOLAR Program. When the student graduates or leaves the program, the computer must be returned to the program.

**Library Services**

The GSCC library boasts a growing collection designed to serve the needs of the College's diverse students, faculty, and staff, as well as the community at large. Library services are available at the Wallace Drive Campus, the Ayers Campus, the McClellan Center, Gadsden State Cherokee, and the Valley Street Campus. All locations provide support for the programs and courses offered by the College, as well as the general educational and informational needs of the faculty, students, and communities. Each GSCC library offers a collection of instructional materials, reference assistance, public access computers with word processing and Internet service, Interlibrary Loan, Public printers and photocopiers. All sites also provide access to a wealth of informational databases including those made possible through the Alabama Virtual Library, a service funded by the state of Alabama to support the informational needs of its citizens. All library locations are members of Library Management Network (LMN), a consortium of libraries with holdings of over one million volumes. Membership in LMN expands the number and variety of resources available, including over 60,000 electronic books (e-books). In order to borrow books and multimedia items from campus libraries, one must have a valid GSCC ID card or a community library card, available at each campus library.

**Wallace Drive and East Broad Street Campuses**

The Austin R. Meadows Library is located in the center of the Wallace Drive Campus in Gadsden. The library collection consists of almost 100,000 books, periodicals, audio books, CDs, and DVDs. Meadows Library is open while classes are in session with the following schedule: Monday through Thursday from 7:30 a.m. to 8:30 p.m. and Friday from 7:30 a.m. to 11:30 a.m. Hours between semesters, during the summer, and around holidays may vary. Any changes in hours will be posted at the entrance to the library and on the library website at [www.gadsdenstate.edu](http://www.gadsdenstate.edu).

**Ayers Campus**

The Pierce C. Cain Learning Resource Center, located at the Ayers Campus on Coleman Road in Anniston, has a collection of almost 20,000 items in various formats. The LRC is open on the following schedule: Monday through Thursday from 7:30 a.m. to 8:30 p.m. and Friday 7:30 a.m. to 11:30 a.m. Hours between semesters, during the summer, and around holidays may vary. Any changes in hours will be posted at the entrance to the library and on the library website at [www.gadsdenstate.edu](http://www.gadsdenstate.edu).

**McClellan Center**

The McClellan Center Library is located on the first floor of the McClellan Center campus between Anniston and Jacksonville. Patrons have access to a collection of over 10,000 items including books, periodicals, and multimedia resources. Library hours are Monday through Thursday from 8:00 a.m. to 7:00 p.m. Hours vary during holidays, during the summer, and between semesters. Any changes in hours will be posted at the entrance to the library and on the library website at [www.gadsdenstate.edu](http://www.gadsdenstate.edu).

**Gadsden State Cherokee**

Gadsden State Cherokee Library is located on the first floor of the Gadsden State Cherokee facility. Patrons have access to a collection of almost 4,000 items including books, periodicals, and multimedia resources. Library hours are Monday 8:00 a.m. to 4:00 p.m., Tuesday-Wednesday 8:00 a.m.-6:00 p.m., Thursday 8:00 a.m.-4:00 p.m. Hours vary during holidays, during the summer, and between semesters. Any changes in hours will be posted at the entrance of the library and on the library website at [www.gadsdenstate.edu](http://www.gadsdenstate.edu).

**Valley Street Campus Title III Library**

The Valley Street Campus Title III Library is located in the Learning Resource Center on the Valley Street Campus (600 Valley Street). Funding for this project is made possible through the U.S. Department of Education Strengthening Historically Black Colleges and Universities Program (HBCU). The Valley Street Campus Title III Library has a growing collection which consists of program-specific books, general reference books, periodicals, and DVDs. Library hours are Monday through Thursday from 7:30 a.m. to 4:30 p.m. Hours vary during holidays, during the summer, and between semesters. Any changes in hours will be posted at the entrance of the library and on the library website at [www.gadsdenstate.edu](http://www.gadsdenstate.edu).

**Service Learning**

Service Learning is an academic program that combines community service with classroom instruction, focusing on critical, reflective thinking, as well as personal and civic responsibility. Various instructors offer service learning options in select courses, and students who enroll in the program then have an opportunity to take their classroom
knowledge and/or technical skills into their community to work with service agencies, private non-profit organizations, faith-based groups, and schools. The service must be directly linked to course content.

Service Learning provides hands-on, practical experience and allows students to work with professionals at a variety of sites. This experience affords some career exploration while students become more aware of their community and its problems as well as ways to alleviate them. Service Learning emphasizes civic engagement, and, as students become involved with agencies and/or schools in their community, they realize the importance of giving back to the community through service. Since students receive credit for their service experience, each instructor incorporating service learning in a course may require a specific type of reflection activity: journals or logs, written or oral reports, group discussions—all based on the student's service activities.

The Service Learning Center is located in Inzer Student Center, Room 140. For more information, students should contact the Service Learning Coordinator at 256.549.8233.

Skills Training Division
The Skills Training Division provides short-term, non-credit, competency-based training. All training programs within this Division are measured by contact hours rather than semester hours. Students may register for classes at any time throughout the year and may continue until the appropriate skills have been attained. Students who complete Skills Training programs are awarded an Institutional Certificate of Completion documenting the area of training. The Skills Training office is located on the East Broad Campus. For more information, call 256.549.8640 or 256.549.8638.

Training for Existing Business and Industry and Workforce Development
Gadsden State and the Alabama Technology Network (ATN-Gadsden) arrange a wide variety of appropriate educational experiences for employees of area business and industrial firms. Through a cooperative network of business and education, Gadsden State and ATN-Gadsden work to identify needs of existing industry and deliver technical assistance, technology solutions and customized training. Upon request, customized training is available and may be provided on-site for topics such as management and leadership, OSHA and safety, Lean manufacturing, Lean manufacturing and ISO quality standards, practical energy, computer and CISCO technology, cooperative learning, industry certification, Spanish language training, etc. For additional information, visit or call one of the following offices: ATN-Gadsden Center in The Bevill Center, East Broad Campus, 256.549.8176; or the Business Office of the Administration Building, Ayers Campus, 256.832.1201.

Upward Bound
The Upward Bound Program (UB) is designed to provide academic and enrichment programs for eligible high school students. The objective of UB is to assist high school students in their academic advancement and to ensure for these students a positive transition into postsecondary institutions. UB offers through its academic and summer residential component an opportunity for students to receive personal and career counseling, tutoring, career exploration, pre-college academic coursework, visits to college campuses, cultural activities, educational seminars, and financial aid and admissions counseling. For more information about Gadsden State's Upward Bound Program, individuals should call the director on the Gadsden Campus (256.549.8396) or on the Ayers Campus (256.835.5443). Upward Bound, one of the College's TRIO programs, is totally funded by the U.S. Department of Education.

Student Activities
GSCC is committed to producing well-rounded, socially adept students. The College recognizes that valuable student learning and growth occur through non-academic activities, as well as through classroom pursuits. Gadsden State students are encouraged to participate in numerous non-academic activities designed to enhance intellectual and social development. Gadsden State offers a variety of cultural, recreational, political, and entertainment experiences so that every student can find something appropriate to his/her needs. For more information about student organizations, students should contact the Coordinator of Student Activities, 108 Inzer Student Center, Wallace Drive Campus or 256.549.8329. More information about specific organizations, athletic teams, and activities is available from the faculty sponsors or coaches responsible for them.

Gadsden State A Cappella Choir and Gadsden State Singers
The A Cappella Choir and Singers offer students the opportunity to sing a diverse musical repertoire and perform for audiences throughout Etowah and surrounding counties. These group provides entertainment for college functions as well as community events. For more information, contact the Choral Director at 256.549.8391 or visit the office located in Wallace Hall on the Wallace Drive Campus.
Gadsden State Community College Alumni Association
All former students and friends of Gadsden State, including former students of any of the three institutions merged to form the Community College, are invited to become members of the Gadsden State Community College Alumni Association. Dues are $20 per year or $300 for a lifetime membership.

At an annual event, members honor outstanding former students and outstanding faculty members and present distinguished service awards to community leaders. From dues and contributions, the association presents scholarships to deserving students. Anyone interested in the College or in supporting student scholarships can become a member of the Gadsden State Alumni Association. Checks may be sent to the Alumni Association Treasurer, Gadsden State Community College, P.O. Box 227, Gadsden, AL 35902-0227.

Gadsden State Show Band
Any Gadsden State student with the appropriate musical competence may audition for the Gadsden State Show Band. Students interested in auditioning should contact the Music Director at 256.549.8394 or visit the office located in Wallace Hall on the Wallace Drive Campus.

Honors and Recognitions
See Appendix C (page 218)

Intercollegiate Athletics
As a member of the National Junior College Athletic Association, Gadsden State sponsors intercollegiate teams in men’s tennis, men’s basketball, women’s basketball, women’s softball, and women’s volleyball. If a student is qualified for any of these teams and is interested in participating, contact the team coach or the Athletic Director in Beck Field House, Wallace Drive Campus, telephone 256-549-8310.

Miss Gadsden State
Female students meeting the appropriate criteria are invited to participate in the Miss Gadsden State Pageant, a preliminary for Miss Alabama. For more information see http://www.gadsdenstate.edu/college-life/miss-gadsden-state.php or call 256.549.8329.

R.O.T.C.
The Department of Military Science is a cooperative venture between the United States Army and Colleges and Universities across the country. The program provides a Reserve Officer Training Corps (ROTC) program with the mission of commissioning students as officers in the Army upon completion of a baccalaureate degree. Classes are offered at Gadsden State in conjunction with the Jacksonville State University (JSU) Department of Military Science. The program provides students an opportunity to learn and practice leadership skills necessary in society and as an officer in the Armed Forces. The emphasis of the program is on leadership development. Students are challenged to apply accepted leadership theory to practical situations. A theoretic basis of knowledge is developed through attendance in military science classes and courses offered in other academic departments. Satisfactory completion of the program may lead to a minor in military science. Courses are open to all registered, full-time GSCC students. More information on those programs is available through the JSU ROTC Department at 256.782.5601.

ROTC Scholarships
Competitive scholarships are available to Gadsden State students upon transfer to JSU. Currently, scholarships cover the cost of tuition, fees, and books and provide a monthly living expense. Additionally, JSU provides selected student dorm fees. The Army National Guard and Army Reserve also offer tuition assistance and other benefits in conjunction with ROTC. Students interested in scholarships or other assistance should contact the Department of Military Science at 256.782.5601 for specific details.

Student Organizations
See Appendix D (page 220)

Student Government Association
The Student Government Association (SGA), a body of student representatives and officers elected by the students, is the coordinating body for student activities and special events approved by the College. Its purposes are to foster interest and involvement in all aspects of college citizenship, to encourage involvement in important decisions affecting students, and to afford students opportunities for leadership development.
College Regulations

Registration
In order for a student to be granted credit for a class, the student's name must appear on the official class roll. Students registered for a class must receive a grade for that class unless the class is deleted by the College or dropped by the student. The phrases listed and explained below refer to important elements of the registration process and the status of a registered student.

Enrollment
Timely registration for (or enrollment in) a Gadsden State class means that the student must complete the registration process before the enrollment deadline, which is widely publicized by the College.

Non-Payment of Fees
Students who owe a debt or fee to the College will not be permitted to register until the obligation is satisfied.

Credit Hour Definition
GSCC complies with Alabama Community College System policy 705.01 (https://www.accs.cc/default/assets/File/Board/Policy/PDFs/705.01.pdf). Semester hours of credit are based upon the average weekly number of hours of instruction during a 15-week period, with an hour of instruction defined as not less than 50 minutes of instructor/student contact. A semester system is defined as a fall semester, spring semester, and a summer term. A variety of class meeting schedules that fall within this structure may be present within the institution. The ratio of weekly contact hours to credit hours varies with the type of instruction being used. There are six general categories of types of instruction: (1) Theory (1:1), (2) Experimental Laboratory (2:1 or 3:1)*, (3) Practical Application Laboratory (2:1 or 3:1) *, (4) Clinical Practice (3:1), (5) Preceptorship (5:1 or 3:1), and (6) Internship (5:1).

*Programs of study for which accreditation and/or licensing bodies require a different ratio must comply with discipline-specific time-to-credit criteria.

Prerequisites and Corequisites
Prerequisites are other courses or competencies that must be completed or attained before registering for some courses. Corequisites refer to other courses that the student must be experiencing simultaneously with the course in question.

Course Load
The student course load for a full-time student at GSCC is 12 to 19 credit hours per fall, spring and summer semesters. Credit hours above 19 semester hours constitute a student overload. The appropriate chief instructional officer must approve a student overload. No student will be approved for more than 24 semester credit hours in any one semester or term for any reason.

Independent Study
Students may request to enroll in independent study courses. This privilege is available to those students who have been unable to schedule courses in any other manner. Independent study is done with the permission of and at the convenience of the instructor. Independent study requires the approval of the administrator of the instructional area involved.

Schedule Change
After registering for classes, students may make changes in their schedule by adding and/or dropping classes either online through SSB or changes are requested on the proper form(s) before the deadline for add/drop. Completed add/drop form(s) must be received in the Records Office for processing during normal business hours.

Identification and Library Card
Students are required to have an identification card, commonly referred to as ID, made at orientation or within the first two weeks of classes. IDs are made in One Stop Center, East Broad Campus, in the Pierce C. Cain Learning Resource Center at Ayers, at the McClellan Center Library, at Gadsden State Cherokee Library and in the Valley Street Library. The ID is to be in the student's possession at all times while the individual is on campus or participating or attending College events and must be displayed when requested by Campus Security or other College officials.

The ID also serves as a library card, which enables students to check out materials (e.g. books, videos, etc.) from any Gadsden State Library and to access the Library's webpage and online resources. A replacement card can be issued at each campus once the student has paid the replacement fee of $5.00 at the Business Office.
Attendance Policy
Class attendance is important to student success. A student's academic success is proportional to his or her engagement in the class, with course materials, course texts, the instructor, and other students. Withdrawal from class is the student's responsibility.

1. Students who fail to attend classes for any reason should withdraw from class(es). (Students should see withdrawal policies and procedures (page 41) outlined in the college catalog.

2. A student is responsible for repaying any portion of unearned financial aid which would result from a withdrawal or from lack of attendance.

3. Make-up work is left solely to the discretion and convenience of the instructor and is not required of the instructor. Make-up work does not have to be in the form originally presented. It is the student's responsibility to make arrangements with the instructor to make up work.

4. Material missed by the student due to absences will not be re-taught by the instructor.

Academic Advising Policy
All new students need to receive academic advising upon admission to GSCC. Before and during registration, students should meet with advisors to learn about college and program requirements, discuss their educational plans, and select courses. Students with declared majors should meet with advisors from within their chosen programs of study. The College counselors advise students who are undeclared majors or general studies majors.

Students are responsible for speaking with an advisor who will work with them in planning courses for the upcoming semester(s). The advice and recommendation of advisors does not constitute a promise or a contract ensuring a student's graduation on schedule, or the completion of specific requirements.

Academic Honesty Policy
To satisfy the expectations of those institutions to which some of its students ultimately transfer, as well as meet obligations to students, the Alabama Community College System, and the general public, Gadsden State expects all its students to conform to the College's Academic Honesty Policy. Any student who fails to comply with the Academic Honesty Policy may be charged with a violation.

Since the courts give an educational institution considerable discretion with respect to academic transgressions, instances of academic misconduct by students at GSCC will be handled by the instructor involved, the academic director involved, and the appropriate supervising instructional dean.

Violations of the Academic Honesty Policy include, but are not limited to, the following:

1. Cheating—using or attempting to use unauthorized materials, information, study aids, or computer-related information or unauthorized copying or collaboration in the preparation of any assignments or in the taking of any tests or examinations; looking on another student's paper during a test or examination or communicating in any way with anyone other than the test administrator.

2. Plagiarism—representing the words, data, works, ideas, computer program or output of someone else as one's own (The student should be aware that an electronic means may be used to discover plagiarism and cheating.)

3. Misrepresentation—falsifying, altering, or misstating the contents of documents or other material related to academic matters, including schedules, prerequisites, and transcripts.

4. Violating explicit rules in clinical activities.

Penalty for Violating the Academic Honesty Policy
If a student has violated the Academic Honesty Policy, the student may receive a grade of "F" for the course, overriding a student withdrawal from the course. The appropriate supervising instructional dean may refer the matter to the Academic Standards Committee or may issue the following disciplinary sanctions if this is not the student's first violation:

1. Disciplinary admonition and warning
2. Disciplinary probation with or without the loss of privileges for a definite period of time
3. Suspension from the College for a definite period of time (i.e., suspension of the privilege to attend Gadsden State for a definite period of time)
4. Expulsion from the College (i.e., removal of the privilege to attend Gadsden State).

If a student is found to be in violation of the Academic Honesty Policy with regards to misrepresentation—falsifying, altering, or misstating the contents of documents or other materials related to academic matters, including grades, schedules, prerequisites, and transcripts—the appropriate supervising instructional dean or his/her designee may impose any one or a combination of the following depending on the severity and frequency of the violation:

1. A verbal or written warning
2. Disciplinary admonition and warning
3. Disciplinary probation with or without the loss of privileges for a definite period of time
4. Suspension from the college for a definite period of time (i.e., suspension of the privilege to attend Gadsden State for a definite period of time)
5. Expulsion from the College (i.e., removal of the privilege to attend Gadsden State)

The Supervising Instructional Dean may appoint an Academic Standards Committee to serve as a special due-process committee to hear any case and to make recommendations, but the final decision with respect to the charge rests with the Supervising Instructional Dean and the President of the College. Only these two officers have the authority to dismiss a student from a program or from the College for academic misconduct.

Unsatisfactory grades and inadequate grade point average also fall within the bounds of academic misconduct, for which a student can be dismissed from a program or from the College. The student who fails to meet the published requirements of GSCC or of a program has no right of appeal.

Withdrawal from a Class
Students receiving financial aid who withdraw from class or stop attending class could have their financial aid decreased. **Students who never attend class are not eligible for federal financial aid.**

From the end of the drop/add period until the withdrawal deadline, which is published in the College calendar, students may withdraw from all but one class online. To withdraw from the last remaining class, students must go to the Admissions and Records Office on any campus to complete the withdrawal form. Withdrawn grades ("W") will be assigned for classes in which students officially withdraw during that time. This process will help to ensure that students are made aware that if they withdraw from all classes before 60% of the semester is over, they may owe money back to the college. The 60% dates are published on the College calendar. Should students fail to complete the withdrawal process, failing grades ("F") will be assigned.

- Financial aid awards will be based on enrollment and class attendance, as reported by instructors.
- The amount of financial aid for which students are eligible is determined based upon enrollment and attendance as of the 10th day of the full semester.
- If students add classes after the 10th day, the financial aid award amounts are not guaranteed to increase.
- If students withdraw prior to the 10th day, or add one or more classes after the 10th day, those classes may not be included when determining the amount of financial aid for which students are eligible.
- If students withdraw prior to the 10th day, financial aid may be decreased.

If financial aid awards are decreased, students may have to repay the College and/or the Department of Education all or part of their financial awards. Nonpayment of balances will prevent students from enrolling at Gadsden State or any other institution. In addition, students may be referred to a collection agency. For more information on the impact of withdrawals in respect to financial aid eligibility, please contact the Financial Aid Office.

**NOTE:** Athletes and Health Sciences students must have department approval prior to withdrawing from any class.

Withdrawal from the College
The student may withdraw completely from GSCC at any time through the last day to withdraw, specified in the College calendar. Forms can be obtained on any campus from the Records Office. Once the complete withdrawal has been processed, the student will not be allowed to register again during the term of withdrawal. Should a student abandon any classes without officially withdrawing from the classes or from the College, the grade of "F" will be assigned.

A Return of Title IV calculation will be required for students receiving or eligible to receive financial aid. Refer to the section "Treatment of Financial Aid for Complete Withdrawal" (page 29) for more information.

**Administrative Withdrawal or Drop from a Course or the College**
The College may drop or withdraw students from any course for the following reasons:
1. Failure to complete registration properly
2. Failure to fulfill conditions of registration if allowed to register on a conditional basis
3. Failure to pay applicable fees
4. Disciplinary action
5. Misrepresentation of required information
6. Failure to attend class

**Repetition of Courses**
A student may repeat any course for which he/she was previously registered. For graduation purposes, if the student repeats a course, only the last grade for this course will be included in the calculation of the student's grade point average (GPA). A course may be used only once to satisfy the credit-hour requirements for graduation. **NOTICE:** This repetition will not remove the first course from the student's transcript.

**Course Work Expiration Policy**
Most general education courses do not have an expiration date; examples of those courses at Gadsden State would include written and oral communication, humanities, social science, fine arts, most business courses, and government and public policy courses.

Specific course work for programs leading to certificates or degrees in technical or health science programs must be aligned with course content and standards. Some older courses are not aligned with current standards and may not be appropriate to count in a student's program. Students who completed certain technical or science courses more than five years preceding completion of the program may be required to repeat the course or demonstrate proficiency related to current course content.

Decisions about older courses proposed to satisfy certificate or degree requirements will be made on a case-by-case basis by the division chair. A student may appeal the decision to the appropriate Academic Dean. The Dean's decision is final.

When there are changes in certification requirements, students seeking certification may be required to modify their programs of study to meet the new requirements.

**Academic Bankruptcy**
The Academic Bankruptcy Policy may be implemented prior to graduation for a student whose previous academic performance has resulted in probation or suspension. A student may request in writing to the Registrar to declare academic bankruptcy under the following conditions:

1. If fewer than three (3) calendar years have elapsed since the term for which the student wishes to declare academic bankruptcy, and if the student has satisfactorily completed at least eighteen (18) semester hours of coursework at GCCC the bankruptcy term, the student may request that academic bankruptcy be granted for that one term;

2. If three (3) or more calendar years have elapsed since the most recent term for which the student wishes to declare academic bankruptcy, and if the student has satisfactorily completed at least eighteen (18) semester hours of coursework at Gadsden State since the most recent bankruptcy term, the student may request that academic bankruptcy be granted for as many as three terms.

All coursework taken the term(s) for which academic bankruptcy is declared will be disregarded in the cumulative grade point average.

Once academic bankruptcy has been granted, the term "Academic Bankruptcy" will be reflected on the transcript for each semester/term affected. Declaration of academic bankruptcy will not remove courses from a student record. Terms marked "Academic Bankruptcy" will be ignored only in the computation of the Gadsden State GPA. A student may declare academic bankruptcy only once. Bankruptcy at this institution does not guarantee that other institutions will approve such action. This determination will be made by the respective transfer institutions. For more information, students may contact the Registrar, Records Office, One Stop Center, P.O. Box 227, Gadsden, AL 35902-0227; 256.439.6911, or email jdobson@gadsdenstate.edu

**Repeat Course Forgiveness**
A student may request in writing to the Registrar to declare repeat course forgiveness under the following conditions:

a. When a student repeats a course once, the second grade awarded (excluding a grade of W) replaces the original grade in the computation of the cumulative grade point average. The grade point average during the term in which the course was first attempted will not be affected.

b. When a student repeats a course more than once, all grades for the course, excluding the first grade, will be used to compute the cumulative grade point average. Official records (transcripts) at GCCC will list each course with the grade earned.

c. A course may be counted only once toward fulfillment of credit hours for graduation. This Course Forgiveness Policy applies to courses taken at GCCC only; respective transfer institutions may or may not accept the adjusted cumulative GPA. That determination will be made by the respective transfer institution.

***Course Forgiveness may impact your Satisfactory Academic Progress (SAP) for financial aid eligibility and your continued eligibility. Students should contact their program advisors prior to requesting Course Forgiveness as it could negatively impact program admission or successful transfer to other college/university programs.***
Grading System
The letters below are generally used to indicate grades and enrollment status, although certain programs may use a different scale for the numerical values of grades.

| A (excellent) | 90-100 | S | Satisfactory |
| B (good) | 80-89 | U | Unsatisfactory |
| C (average) | 70-79 | W | Withdrawal |
| D (poor) | 60-69 | AU | Audit |
| F (failure) | 0-59 | I | Incomplete |

Satisfactory grades are A, B, and C. Some senior colleges and universities may not grant credit for a course in which a D has been awarded. The W (Withdrawn) is assigned when the student officially withdraws from class(es) by the end of the last class day of the term in which he/she is enrolled for the class(es). The AU (Audit) is used to indicate that the student is enrolled in a course for which credit will not be granted. Credit hours for audited courses will not be averaged into the grade point average. An “Audit” student should attend class regularly but is not required to take exams, participate in class discussion, or undertake assignments. A student must declare “audit” status by the end of the registration period, and the status may not be changed thereafter. Health Sciences courses are not eligible for audit.

The I (Incomplete) is assigned when a student is passing the class but is prevented by illness or other justifiable cause from completing the required work or from taking the final exam. In order to receive an I, the student must request that the instructor assign the I by the end of the scheduled final examination period for the class that the student is unable to complete. An I may be removed only by the student's completion of the examination and/or the work missed. Students receiving I during the fall semester have until the end of the sixth week of class of the following spring semester to complete the missed assignments and/or examinations. Students who receive I for the spring semester or the summer term have until the end of the sixth week of class of the following fall semester to complete the missed assignments and/or examinations. The I grade will be changed to an F when the missed assignments and/or examinations are not completed in the prescribed time allotted by this policy. A modified grading system may be used for certain selective admissions programs, core curriculum, or developmental studies courses. The student should refer to the program handbook, course syllabus or catalog course descriptions for further information.

Developmental Mathematics Course(s) Grading Scale
Math 090 Basic Mathematics and Math 098 Elementary Algebra - Students must achieve a 75% or higher in this course to proceed to the next level Mathematics Course. Any Grade below 75% will result in a grade of “U” which indicates failure of the class. Letter grades are assigned for all Mathematics Developmental courses as stated below:

<table>
<thead>
<tr>
<th>Percentage Grade</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-100</td>
<td>A</td>
</tr>
<tr>
<td>80-89</td>
<td>B</td>
</tr>
<tr>
<td>75-79</td>
<td>C</td>
</tr>
<tr>
<td>74-Below</td>
<td>U</td>
</tr>
</tbody>
</table>

Grade Changes
Grade changes for the purpose of correcting an error or removing an I are initiated by the instructor who assigned the original grade and approved by the academic director. Routine grade changes do not require the signature of the appropriate chief instructional officer if the changes are less than one year old. If a change is over one year, the appropriate chief instructional officer must approve it.

To evaluate the academic standing of students, the College calculates each student's quality-point average (QPA) or grade point average (GPA) by assigning quality (or grade) points to grades according to the following system: A = 4 quality points; B = 3 quality points; C = 2 quality points; D = 1 quality point; F = 0 quality points. For academic honors and continued residency, the quality point average (QPA) or grade point average (GPA) is calculated by dividing the total quality points earned by the total hours attempted. For graduation purposes, only those hours that count toward graduation are calculated to determine student eligibility for awards.

State of Alabama Policy on Standards of Academic Progress
In order to avoid academic probation, a student is required to achieve the following minimum levels of progress as measured by the student's cumulative grade point average (GPA): A student who has attempted

1. 12-21 semester credit hours at Gadsden State must maintain a 1.5 Cumulative Grade Point Average;
2. 22-32 credit hours at Gadsden State must maintain a 1.75 Cumulative Grade Point Average; and
3. 33 or more credit hours at Gadsden State must maintain a 2.0 Cumulative Grade Point Average.

The standards of progress are applied as follows:

1. If a student's cumulative GPA is at or above the requirements listed above, the status is CLEAR.
2. If a student's cumulative GPA is below the required standard and the GPA for the semester is below 2.00, the student will be placed on ACADEMIC PROBATION.
   A. If, while a student is on academic probation, the student's cumulative GPA remains below the required standard but the GPA for that semester is 2.00 or higher, the student will remain on ACADEMIC PROBATION.
   B. If, while a student is on academic probation, the student's cumulative GPA remains below the required standard and the GPA for that semester is below 2.00, the student will be SUSPENDED FOR ONE SEMESTER. The transcript will be stamped "SUSPENDED – ONE SEMESTER."
   C. If, while a student is on academic probation, the student's cumulative GPA reaches at least the minimum standard of progress appropriate to the student's situation based on the number of hours attempted, the status will once again be CLEAR.
3. If a student has been suspended for one semester, he/she may appeal for re-admission. (An explanation of the appeal process appears below). If the student is re-admitted on appeal without having served the one-semester suspension, the transcript will be stamped "SUSPENDED – ONE SEMESTER/READMITTED UPON APPEAL." Whether re-admitted because of appeal or by serving the one-semester suspension, the student will re-enter Gadsden State on ACADEMIC PROBATION.
4. If a student has re-entered after having been suspended for one semester, whether through appeal or through serving out the suspension, without having attained CLEAR status, and if the cumulative GPA falls below the required standard but the GPA for that semester is 2.00 or higher, the student will remain on Academic Probation. If, however, the student has re-entered after having been suspended for one semester, whether through appeal or through serving out the suspension, without having attained a CLEAR status, and if the cumulative GPA falls below the required standard and if the GPA for that semester is also below 2.00, the student will be suspended for one calendar year. The transcript will be stamped "SUSPENDED – ONE YEAR."
5. If suspended for one year, the student may appeal for re-admission (as indicated in the "Appeal Process" section below). If the student is re-admitted on appeal, the transcript will be stamped "SUSPENDED – ONE YEAR/READMITTED UPON APPEAL." Whether re-admitted because of appeal or by serving the one-year suspension, the student will re-enter Gadsden State on ACADEMIC PROBATION.
6. All pertinent academic designations except CLEAR will appear on the student's transcript.

Admissions Appeals
A student who has been suspended may appeal for re-admission without contesting the facts leading to the suspension, as follows:

First, the student must submit to the Admissions Committee a written request to be considered for re-admission within a designated time period after notification of the suspension. Second, at the meeting with the Admissions Committee, he/she should present a rationale and/or a written statement of mitigating circumstances in support of the petition for immediate re-admission. The Admissions Committee meeting is not a due-process hearing but rather a petition for re-admission of the college. Third, Admissions Committee’s decision, together with the materials that are presented, shall be placed in the student's official record along with the Committee’s written decision. Finally, the student shall be notified of the Committee’s decision directly after the Admissions Committee meeting. The Committee will strive to reach its decision with special attention to equity, reasonableness, and consistency.

Exceptions to the Appeal Process
1. Gadsden State programs that are subject to external licensure, certification, and/or accreditation or that require fewer than four semesters for completion may have higher standards of progress than those listed above for the College in general.
2. Some transfer students will be placed on academic probation when admitted to Gadsden State; these students must "transition" to the College's standards of academic progress.
3. Special standards of academic progress have been established for those students enrolled in “institutional credit only” courses that carry optional grades and for those students who wish to remain eligible to receive Title IV financial aid.

If a student is placed on Academic Probation, One Term Academic Suspension, or One Calendar Year Academic Suspension, Gadsden State officials may institute intervention measures for student success, including, but not limited to, restricting the course load, requiring the student to enroll in a study skills course, and/or prescribing other specific courses responsive to the individual’s needs.

Transcripts
A transcript is an exact copy of a student's permanent academic record at the time it is issued. It can be either an official or an unofficial transcript, with the latter usually issued directly to and only for the personal information of the student concerned. Partial transcripts are not issued. A Gadsden State transcript includes the student's complete record at GSCC.

Transcripts covering a student's secondary and previous college education that have been submitted to Gadsden State to meet a requirement for admission become part of the Registrar's official file. The College does not reissue or certify copies of transcripts from other institutions. The student concerned must order any required transcripts directly from other institutions where the coursework was taken.

The official permanent academic records for all Gadsden State students are maintained by the Records Office. This information is protected by federal law and released only in accordance with the guidelines set forth in the Family Education Rights and Privacy Act of 1974. Only the student may request a copy of his or her academic record. Friends and family are not permitted access to a student's record without the written permission of that student.

If the student wishes to request or pick up a transcript from the Records Office, he/she should be prepared to show a photo ID. Transcripts are issued only at the written request or authorization of the student concerned. When the student requests a transcript, the following must be included: name (including any names used while at GSCC), student number, date of birth, dates of attendance, daytime phone number, name and address of recipient, and signature. NOTICE: Transcripts will not be processed without proper signature.

Requests for transcripts will normally be processed within 3 business days. However, a longer period of time may be needed for processing at the end of each semester or during registration. Transcripts are not issued for those students who are indebted to the College until such indebtedness is satisfied. Requests for transcripts must be made in writing, either in person, email (admissions@gadsdenstate.edu), by fax (256.549.8466), or by mail to: The Records Office, Gadsden State Community College, P.O. Box 227, Gadsden, AL 35902-0227. ***The preferred and most efficient method for requesting a transcript is online through SSB: http://ssb.gadsdenstate.edu. *** There is no charge.

Final Examinations
Students may be given comprehensive final examinations in any courses in which they are enrolled. A final examination schedule is published on the website and in the online class schedule.

Academic Honors
Gadsden State recognizes in a variety of ways the academic achievements of its students. At the end of each semester, the College publishes in area newspapers the President's List and the Dean's List. Students who are eligible for honors recognition but prefer that their names not be published should notify the Public Relations and Marketing Office (Joe Ford Center, East Broad Campus) within two weeks after the first day of classes.

President’s List
A President's List shall be compiled at the end of each term. Requirements for the President's List shall be a semester grade point average of 4.0 (with all A's) and a completion of the minimum semester course load of 12 semester credit hours of college-level work. Developmental (pre-collegiate) courses carrying letter grades will not be calculated in the semester GPA. Developmental courses will count toward the minimum course load requirement or GPA for Financial Aid.

Dean’s List
A Dean's List shall be compiled at the end of each term. Requirements for the Dean's List shall be a semester grade point average of 3.5 or above but below 4.0 (with all A's and B's) and a completion of the minimum semester course load of 12 semester credit hours of college-level work. Developmental (pre-collegiate) courses carrying letter grades will not be calculated in the semester GPA. Developmental courses will count toward the minimum course load requirement or GPA for Financial Aid.
Graduation Honors

Degree Recipients
At the time of graduation, the College uses the following designations to recognize the academic accomplishments of students who earn degrees:

Cum Laude 3.50 to 3.69 GPA
Magna Cum Laude 3.70 to 3.89 GPA
Summa Cum Laude 3.90 to 4.00 GPA

In order to be eligible for a graduation honor, the student must have completed a minimum of one-half (50%) of the semester credit hours at Gadsden State.

Certificate Recipients
At the time of graduation, the College uses the following designations to recognize the academic accomplishments of students who earn certificates, except the recipient of the short-term certificate:

With Distinction 3.50 to 4.00 GPA

In order to be eligible for a graduation honor, the student must have completed one-half (50%) of the semester credit hours at Gadsden State.

Graduation Requirements

AA, AS, or AAS Degree Requirements
A student may be awarded the Associate in Arts Degree, the Associate in Science Degree, or the Associate in Applied Science Degree, upon satisfactory completion of the requirements of the specific program as specified by the College and the Alabama Community College System.

1. The student must satisfactorily complete not less than 60 semester hours (or the equivalent quarter hours) of college credit (from courses numbered 100 or above) in an approved program of study, including prescribed general education courses.

2. The student must earn at least a 2.0 cumulative grade point average (GPA) in all courses attempted at the College. (The calculation of the GPA for graduation shall not include grades earned in institutional credit courses. A course may be counted only once for purposes of meeting graduation requirements.)

3. The student must complete at least one-fourth (25%) of the semester credit hours at Gadsden State.

4. The student must meet all requirements for graduation within a calendar year from the last semester of attendance.

5. Any transfer credit applicable toward graduation must come from one or more regionally accredited institutions and/or from one or more of the institutions comprising the Alabama Community College System; a minimum grade of C is required for any course that is transferred. Exceptions are listed in the “Transfer Credit” section in this catalog.

To receive a diploma or participate in the commencement exercises of the institution, a student must comply with formal procedures for graduation in accordance with the College policies as follows:

- Submit an Application for Graduation online on or before the published deadline.
- Fulfill all financial obligations to Gadsden State.
- Satisfy those requirements either as stated in the current College catalog at the time of graduation, or as stated in any of the catalogs from the four (4) previous academic years.

Certificate Requirements
A student may be granted an award other than a degree upon completion of the requirements of the specific program as specified by the College in accordance with policies of the Alabama Community College System.

1. The student must complete satisfactorily an approved program of study.

2. The student must earn a 2.0 cumulative grade point average (GPA) in all courses attempted at the College. (The calculation of the GPA for graduation shall not include grades earned in developmental courses. All grades in repeated courses shall be averaged into the grade point average; however, a course may be counted only once for purposes of meeting graduation requirements.)

3. The student must complete at least one-half (50%) of the total semester credit hours at Gadsden State.

4. The student must meet all requirements for graduation within a calendar year from the last semester of attendance.
5. Any transfer credit applicable toward graduation must come from one or more regionally accredited institutions and/or from one or more of the institutions comprising the Alabama Community College System; a minimum grade of C is required for any course that the student transfers. Exceptions are listed in the “Transfer Credit” section of this catalog.

To receive a diploma or participate in the commencement exercises of the institution, the student must comply with formal procedures for graduation in accordance with the College policies as follows:

- Submit an Application for Graduation online on or before the published deadline.
- Fulfill all financial obligations to Gadsden State.
- Satisfy those requirements either as stated in the current College catalog at the time of graduation, or as stated in any of the catalogs from the four (4) previous academic years.

Graduation

A student may elect to graduate under any Gadsden State degree plan in effect during his/her enrollment, the date of the earliest degree plan not to exceed four years prior to the date of anticipated graduation. Some programs, such as nursing, have policies that are more rigid. These exceptions appear under the degree requirements listed for each program.

For a student to graduate from GSCC with the Associate in Arts Degree, the Associate in Science Degree, or the Associate in Applied Science Degree, the following are required:

1. The student must satisfactorily complete not less than 60 semester hours (or the equivalent quarter hours) of college credit (from courses numbered 100 or above) in an approved program of study, including prescribed general education courses.
2. The student must earn at least a 2.0 cumulative grade point average (GPA) in all courses attempted at the College. (The calculation of the GPA for graduation shall not include grades earned in institutional credit courses. A course may be counted only once for purposes of meeting graduation requirements.)
3. The student must complete at least one-fourth (25%) of the semester credit hours at Gadsden State.
4. Any transfer credit applicable toward graduation must come from one or more regionally accredited institutions and/or from one or more of the institutions comprising the Alabama Community College System; a minimum grade of C is required for any course that is transferred. Exceptions are listed in the “Transfer Credit” section of this catalog.
5. The student must comply with formal procedures for graduation in accordance with Gadsden State policies, which include submitting an Application for Award form online at least one semester prior to graduation. (i.e. A student graduating in the Spring semester must apply during the Fall semester.)
6. The student must fulfill all financial obligations to the College.

For a student to graduate from GSCC with a certificate or any other formal award except a degree, the following are required:

1. The student must complete satisfactorily an approved program of study.
2. The student must earn a 2.0 cumulative grade point average (GPA) in all courses attempted at the College. (The calculation of the GPA for graduation shall not include grades earned in developmental courses. All grades in repeated courses shall be averaged into the grade point average; however, a course may be counted only once for purposes of meeting graduation requirements.)
3. The student must complete at least one-half (50%) of the total semester credit hours (or the equivalent quarter hours) at Gadsden State.
4. Any transfer credit applicable toward graduation must come from one or more regionally accredited institutions and/or from one or more of the institutions comprising the Alabama Community College System; a minimum grade of C is required for any course that the student transfers. Exceptions are listed in the “Transfer Credit” section of this catalog.
5. The student must comply with formal procedures for graduation in accordance with Gadsden State policies, which include submitting an Application for Award form online at least one semester prior to graduation. (i.e. A student graduating in the Spring semester must apply during the Fall semester.)
6. The student must fulfill all financial obligations to the College.

Policies for Students Who Receive VA Benefits

Through the Veterans Affairs Office, GSCC cooperates with the Department of Veterans Affairs and with students who receive VA educational benefits to ensure that the objectives of the VA are pursued to the fullest advantage of all parties. The policies and procedures followed by the College are explained in the “College Regulations” section of
Veterans Educational Assistance Programs

1. Montgomery GI Bill – Selected Reserve Educational Assistance Program (Chapter 1606 of Title 10, U.S. Code)
2. Reserve Educational Assistance Program (Chapter 1607 of Title 10, U.S. Code)
3. Montgomery GI Bill – Active Duty Educational Assistance Program (Chapter 30 of Title 38, U.S. Code)
4. VA Vocational Rehabilitation (Chapter 31) -- This program provides educational assistance to disabled veterans who are in need of vocational rehabilitation. To be eligible, a veteran must have a service-connected disability entitling him/her to these benefits. An award authorization must be received from a VA Vocational Rehabilitation Counselor/Specialist before benefits can be used.
5. Post-Vietnam Veterans Educational Assistance Program/VEAP (Chapter 32 of Title 38, U.S. Code)
7. Vietnam Era Veterans' Educational Assistance Program (Chapter 34 of Title 38, U.S. Code)
8. Survivors’ and Dependents’ Educational Assistance Program (Chapter 35 of Title 38, U.S. Code)
9. The following individuals shall be charged the in-state/in-district rate, or otherwise considered a resident, for tuition purposes:
   - A Veteran using educational assistance under either chapter 30 (Montgomery G.I. Bill – Active Duty Program) or chapter 33 (Post-9/11 G.I. Bill), of title 38, United States Code, who lives in the State of Alabama while attending a school located in the State of Alabama (regardless of his/her formal State of residence) and enrolls in the school within three years of discharge from a period of active duty service of 90 days or more.
   - Anyone using transferred Post-9/11 GI Bill benefits (38 U.S.C. § 3319) who lives in the State of Alabama while attending a school located in the State of Alabama (regardless of his/her formal State of residence) and enrolls in the school within three years of the transferor's discharge from a period of active duty service of 90 days or more.
   - A spouse or child using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311(b)(9)) who lives in the State of Alabama while attending a school located in the State of Alabama (regardless of his/her formal State of residence) and enrolls in the school within three years of the Service member’s death in the line of duty following a period of active duty service of 90 days or more.
   - Anyone described above while he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same school. The person so described must have enrolled in the school prior to the expiration of the three year period following discharge or death described above and must be using educational benefits under either chapter 30 or chapter 33, of title 38, United States Code.

GSCC recommends that students receiving educational benefits from the VA adhere to college attendance policies as explained in the "College Regulations" section of this catalog. The College will report promptly to the VA if a student withdraws or drops classes for which the student was certified. Such a change in enrollment could lead to an overpayment situation for the student.

Selection of Program

In consultation with an admissions counselor or an academic advisor, each student receiving VA benefits must select and plan a program in accordance with Gadsden State's catalog. A change of program requires the student to contact the Veterans Affairs Office. All programs of study must be deemed approved by law, the State Approving Agency, or the U.S. Department of Veterans Affairs, in order to be certified by VA for payment of benefits.

Certification of Courses

The student will not be certified to receive benefits for any course that does not fulfill a requirement for his/her declared program. Each student approved for VA education benefits must notify the Gadsden State School Certifying Official each semester after his/her registration is complete to request submission of an enrollment certification. Certifications will be submitted online via VA-Once beginning the day after add/drop ends, or as time permits prior to this date. Courses that award audit credit, continuing education units, or no credit cannot be certified. Courses that award only institutional credit in required remedial or developmental subjects may be acceptable if such subjects are measured on the same basis as regular college credit courses and if these courses are determined by the College to be necessary for one to reach his/her academic objective. If the student changes from credit status to audit or non-credit status in a course prior to completing that course, the student must have enrollment certification amended, effective the day the semester began, so that the actual number of semester hours for which the student can receive credit is accurately reflected. Course substitution must be approved by the academic advisor in writing for the VA.
student's file. NOTICE: "I" (incomplete) is not considered a grade by the VA. VA students having "I" grades will be changed to "F" grades when required coursework is not completed in the prescribed time allotted by the policy outlined under Grade Reports in the "College Regulations" section of this catalog.

Repeat Courses
VA students failing a required course may repeat that course with pay. However, the student cannot repeat a course just to improve a grade and receive payment through the Department of Veterans Affairs.

Course Load
A full-time course load for a student receiving veterans' benefits is twelve semester hours or more, a three-quarter time load is nine semester hours, and a one-half time load is six semester hours. If a student is enrolled in an accelerated course (weekend, mini, summer, etc.), adjustment of enrollment status may be made according to VA policies. The student should contact the Veterans Affairs Office for additional information.

Withdrawal Policy
Students who receive veterans' benefits must notify the Veterans Affairs Office when dropping or adding courses or when withdrawing to avoid payment problems. Each withdrawal or change in course load must show the effective date of the change. The withdrawal policies of Gadsden State also apply.

Standards of Academic Progress
To remain eligible for VA benefits, the student is required to achieve the minimum levels of progress as outlined in the "College Regulations" section (page 49) of this catalog. Failure to make satisfactory progress as defined by these requirements will be reported to the VA.

Overpayments
Each student receiving veterans' benefits should be aware that it is the responsibility of the student to comply strictly with the policies and procedures that govern the receipt of educational benefits. Any overpayment created through non-compliance with veterans' policies is subject to repayment, and such overpayment can cause a delay in the payment of further benefits. NOTICE: The student must visit the VA Office on the East Broad Campus, One Stop Center or Ayers Campus each semester to present and confirm his/her schedule for certification of benefits. For more information, students should call 256.549.8207 or 256.835.5467.

Safety and Security
The Office of Safety and Security is responsible for security and emergency response on all GSCC campuses. Safety and Security (which includes security, mail, transportation, Alabama Department of Emergency Management reporting, severe weather monitoring, Fowler Residence Hall, and switchboard services) is an important component of the educational environment at GSCC.

Officers patrol the campuses and provide safety and security services through the deployment of vehicle and foot patrols. To achieve the highest degree of safety and security at all campuses, centers, and sites, the Office of Safety and Security encourages community members to recognize the importance of following good safety practices. Community members should also understand that safety is their responsibility, not just that of those officially and formally charged with enforcing the laws, policies, and rules. This community responsibility includes using the escort service available by calling the duty (security) number posted on each campus, locking valuables, and reporting suspicious/criminal activities. The Office of Safety and Security takes a leadership role by providing educational programs on campus safety, preventative patrols, incident investigation and reporting, fire safety and prevention, and crime prevention. In addition, the Office of Safety and Security is responsible for monitoring, maintaining, and/or enforcing GSCC alarm systems, parking services, property/evidence collection, officer training, and crime reporting. Safety and Security officers receive training in security and emergency care. The Office of Safety and Security is located in the Joe Ford Center on the East Broad Campus. The office phone number is 256.549.8628, and the 24-hour phone number is 256.312.2132. The primary objective of the Office of Safety and Security is to provide a safe college environment wherein its community members can work and study and personally and professionally develop, both intellectually and socially. GSCC has the Campus Safety Committee, whose mission is to ensure that appropriate health and safety standards are maintained and that the appropriate Federal and State statutes are observed.

See Appendix E (page 221) for complete policy.

Student Grievance
The College recognizes the importance of students being able to submit legitimate complaints relating to courses, programs, and personnel. Students should submit complaints using the following steps:

1. Students are encouraged to seek to resolve the matter by discussions with the relevant College personnel most associated with the matter. College personnel with whom a concern is raised by a student is expected to deal with the matter in an open and professional manner and take reasonable and
prompt action to try to resolve it informally. The student should consult with the relevant College personnel in person or in writing, within the semester that the grievance occurs.

2. If the student is not satisfied that the matter has been resolved, the student should submit a written complaint with the appropriate supervisor of the College personnel. Complaints will be acknowledged by the director/division chair/dean within five working days upon receipt of the complaint. The supervisor will work with the parties in an attempt to resolve the complaint. The resolution process may include meetings with relevant College personnel and the student, but should take no longer than 5 working days.

3. If the matter is not resolved by the supervisor, then the supervisor will forward the complaint to the appropriate dean. The resolution process may include meetings with the relevant College personnel, the student, and the supervisor in an attempt to resolve the complaint, but should take no longer than 5 working days. The Dean will render a written decision to the student.

4. If the student is not satisfied that the matter has been resolved, then the student should submit a written appeal to the President. The President will issue a final written determination within 10 days of receipt of the student's appeal.

5. If the student is not satisfied with the President’s final determination, the student may appeal to the Alabama Community College System (ACCS) by utilizing the System's official Student Complaint Form which is available online at the ACCS website (www.accs.cc). Complete instructions for filing of the complaint are located on this website.

*Time lines may be extended at the agreement of all parties.

*This policy does not apply to complaints of harassment and discrimination, violations of the Americans with Disability Act, admission decisions, academic and non-academic conduct and other student grievance policies addressed in the catalog and the student handbook.

**Student Code of Conduct and Discipline – Non-Academic**

The Student Code of Conduct and Discipline is the College's policy regarding non-academic misconduct and discipline of students. It is not designed to rehabilitate students who will not abide by the policy. Any disciplinary actions taken are designed to protect and preserve the educational environment of the College. If the environment is threatened by student behavior, it may be necessary to impose sanctions.

A student may be accountable to both civil authorities and the College for action which violates both the law and the Student Code of Conduct and Discipline and may have to face both criminal charges and disciplinary charges. The findings in one area will not necessarily be an acceptable challenge to the findings in the other. For a comprehensive list of actions that define non-academic misconduct, students should see the section below, entitled "Procedure for Bringing a Charge of Non-Academic Misconduct Against a Student."

**Procedure for Bringing a Charge of Non-Academic Misconduct Against a Student**

Any member of the College community may file a complaint against a student or group of students for non-academic misconduct affecting the College or its operations. With the exception of Residence Hall violations, the following procedure should be followed:

Complaints shall be prepared in writing and directed to the Office of the Vice President. Any complaint should be submitted as soon as possible, preferably within fifteen (15) days of the occurrence but no more than one (1) year. The Vice President shall investigate and charge students or members of any College-sponsored organization with misconduct when there is reasonable cause to believe that a violation of the Code of Conduct or other applicable law or regulation may have occurred as alleged in the complaint. The Vice President must make a preliminary investigation by consulting the primary parties involved to determine whether the complaint has merit and/or if it can be disposed of informally without the initiation of disciplinary proceedings. All charges shall be presented to the accused student in written form by the Vice President and shall contain a short summary of the actions or complaint of misconduct. The Vice President may suspend the student pending consideration of the case when the Vice President determines that the presence of the student presents a continuing danger to any person or property or an ongoing threat of disruption of the institution or its operations. In such case, a hearing must be held within three (3) business days of the student's suspension, unless the student makes a request for an extension in writing.

The Vice President may issue a summons for any student or member of a College-sponsored organization to appear for discussions about a case or for a hearing in a pending case. The summons may be delivered by U.S. Mail, the Security Office, e-mail or a combination of the three to give the student appropriate notice of the complaint or charges being brought. The summons may also include an order to produce records, which may be helpful in the course of an investigation or in the prosecution of a case. However, upon findings of the investigation, the Vice President may find that the initial charges need to be amended or additional charges need to be issued to the accused.
Charges may be disposed of by an informal process with resolution agreed upon by the student, the complainant, and the Vice President. Specific charges include:

1. Dishonesty or knowingly furnishing false information to the members of the College faculty or to other officers or employees of the College in pursuit of their official duties
2. Lewd, obscene, licentious, indecent, or inappropriate dress
3. Any form of gambling
4. Being under the influence of alcoholic beverages or non-prescribed, controlled drugs on College property or at a student or College-sponsored function
5. Smoking, chewing, dipping, or other use of tobacco products in College-owned or College-controlled property, except in designated areas
6. Filing a false report or knowingly making a false statement about or interfering with the investigation of any situation described in this Student Conduct and Discipline Code and the annual campus safety and security publication
7. Trespassing or unauthorized entry or use of Gadsden State premises
8. Placement, establishment, or maintenance of any mobile, impermanent, or temporary living quarters on property of the College, which shall include, but not be limited to, tents, mobile homes, camping devices, trailers, vans, and motor homes and/or use of sanitary facilities on a regular daily basis
9. Disruptive devices such as tape players, radios, cell phones, pagers, iPods, or other electronic devices in the student center, hallways, lecture rooms, classrooms, library, or any other place where such devices might interfere with the normal activity of the College
10. Unauthorized use or possession of all electronic devices (i.e., cell phones, laptops, tablets, MP3 players, etc.) in the classroom (Emergency authorization must be requested in advance of class, in writing, to the Department Chair.)
11. Forgery, alteration, or misuse of College documents, records, or identification
12. Failure to comply with the authority of College officials acting within the capacity and performance of their positions
13. Violation of written College rules, policies and regulations
14. Obstruction or disruption of teaching, research, administration, disciplinary procedures, other College activities, or other activities on College premises by either College or non-College persons or groups
15. Destruction, damage, or misuse of College public or private property (The student(s) or member(s) of any College organization is responsible for any damage done to College property.)
16. Conduct in violation of federal law, state statutes, or local ordinances, which threatens the health and/or safety of the College community or adversely affects the educational environment of the College, specifically excluding violations relating to sexual harassment and discrimination, which are referred to the Title IX Coordinator.
17. Conviction of any misdemeanor or felony, which adversely affects the educational environment of the College
18. Obtaining College services by false pretenses, including, but not limited to, misappropriation or conversion of College funds, supplies, equipment, telephone system, labor, material, space, facilities, or services
19. Hazing, which is any mental or physical requirement or obligation placed on a person by a member of any organization or by an individual or by a group of individuals, which could cause discomfort, pain, or injury or which violates any legal statute or College rule, regulation, or policy ("Hazing" is defined as "the striking, laying open hand upon, treating with violence, or offering to do bodily harm to a person with intent to punish or injure the individual or other treatment or tyrannical, abusive, shameful, insulting or humiliating nature." Hazing is an action taken or situation created to produce mental or physical discomfort, embarrassment, harassment, or ridicule. Hazing also includes the creation of a situation that results in or might result in mental or physical discomfort, embarrassment, harassment, or ridicule, including servitude often called "personal favors.")
20. Lewd, obscene, licentious, or indecent conduct or the verbal or written threat of such action against another person
21. Harassment, intimidation, bribery, physical assault, or any other means, implied or explicit, to influence the proceedings or outcome of the Student Discipline Committee, including witnesses, faculty members, staff members, and students, before, during, or after a hearing (College-sponsored organizations shall be responsible for actions of their individual members, alumni, advisors, etc.)
22. Possession, while on College-owned or controlled property, of weapons, firearms, ammunition, explosives, fireworks, or other dangerous devices
23. Possession, sale, and/or consumption of alcoholic beverages or non-prescribed, controlled drugs on College property or at a student- or College-sponsored function
24. Unauthorized manufacture, sale, delivery, or possession of any drug or drug paraphernalia defined as illegal under local, state, or federal law
25. Unauthorized sale, delivery, or possession of prescribed, controlled drugs defined as illegal under local, state, or federal law
26. Theft, accessory to theft, and/or possession of stolen property
27. Physical or verbal abuse, threat of violence, intimidation, and physical or mental harassment
28. Entering false fire alarms, tampering with fire extinguishers, alarms, or other equipment
29. Disruptive or disorderly conduct that interferes with the rights and opportunities of those who attend the College to utilize and enjoy educational facilities
30. Use of College computer terminals and personal computers or telecommunications equipment on College-owned or College-controlled property in any manner other than for College-authorized use or for purposes of obtaining pornographic or sexually explicit information
31. Threatening, harassing, lewd, obscene, or violent communications through e-mail, fax, or other methods of data/information transmission
32. Terrorist threat to or from GSCC, College-owned property, or College-controlled property
33. Software tampering, espionage, sabotage, and criminal mischief
34. Engaging in any acts that constitute sexual harassment or discrimination (Complaints of sexual harassment and discrimination will be referred to the Title IX Coordinator as provided in the College's Policy Against Harassment and Discrimination.)
35. Any other activity or conduct not specifically stated herein that impairs or endangers any person or property or the educational environment of the College

After the initial investigation, the Vice President may decide what disciplinary action is required. The Vice President will notify the student and the party bringing the charge(s). The student and the charging party may seek a hearing before the Student Discipline Committee or the Vice President may determine that the alleged misconduct must be referred to the Student Discipline Committee.

If the matter is referred to the Student Discipline Committee, the Vice President will inform the accused, in writing, of the formal charge(s), including specific violations of the Student Conduct and Discipline Code. The Vice President will also send a copy of the charge(s) and the investigation report to the Chairperson of the Student Discipline Committee.

Except for cases involving a temporary suspension or a no-trespass, the Chairperson must set a time and date for a hearing within 10 (ten) calendar days from the receipt of the charges. The Chairperson must notify all parties, in writing, of the time, date, and location of the hearing.

Student Discipline Committee
The Student Discipline Committee, consisting of one (1) student, three (3) faculty members, one (1) administrator, one (1) recording secretary and three (3) alternates (one student and two faculty/staff), is responsible for both safeguarding the rights of the accused student and maintaining a climate of integrity and safety for all members of the College community. The Student Government Association advisor must select the student member and alternate of the Committee; the President of the College must select the faculty members, administrator, and alternates. Each member will serve a term of one year on the Committee. Any member's term may be extended by the President. The Chairperson will be selected by the Committee members and should be a member who has served on the Committee previously. A tape recording or a written record of the hearing and the decision (not the deliberations) will be kept in the Office of the Vice President for the requisite record retention duration. The record shall include a summary of the evidence upon which the Committee based its decision. Tape recordings or written records of the hearings cannot be made available to anyone except members of the Student Discipline Committee, the Vice President, and the President due to confidentiality of student records. However, students have the right to the specific provisions concerning themselves and may, by submitting a written request to the Vice President, obtain a transcript with the confidential information of other students redacted. The student must pay for the transcript before it will be released to him/her.

Procedure for Conducting the Hearing on Non-Academic Misconduct
The procedures of the Student Discipline Committee need not conform to the strict behavior and practice of a civil courtroom; however, the student(s) shall be treated fairly and shall be given the opportunity to respond to the accusation(s). The procedure for conducting a hearing must contain the following elements:

1. The Student Discipline Committee shall receive from the Vice President charges to be imposed upon a student who has alleged a violation of the Student Conduct and Discipline Code.
2. No less than seventy-two (72) hours before the hearing (excluding weekends), the Chairperson of the Student Discipline Committee must notify, in writing, the student charged with misconduct that a hearing will be held by the Committee and must inform the student of the date, time, and location of the hearing. (The student may request, in writing, an extension of time for good cause, which may be granted by the Committee.)
3. The hearing must be conducted in such a way as to afford due process to all parties involved.
4. The hearing must be private and confidential, except by consent of all parties. Gadsden State Security shall be present during hearing proceedings at the discretion of the Chairperson.
5. The Chairperson will state the charge(s) and define the evidence based on the investigative report. The student charged must have an opportunity to examine evidence, question witnesses, offer witnesses on his/her own behalf, and respond on his/her own behalf. Any evidence or statements obtained or received by
the Vice President shall be made available for inspection by the accused at least twenty-four (24) hours before the hearing in a controlled, secured environment.

6. Any student (the accuser and accused) involved in the proceedings (except for witnesses) is permitted to have one representative present. However, only the student may address the Committee or witnesses directly and only with prior approval from the Chairperson. Representatives are not permitted to speak or to participate directly in any hearing before the Committee. In the case of an International student or a student with a disability, such as a hearing or speech impairment, the Chairperson will determine the appropriateness of allowing a representative to speak on behalf of the student.

7. Either party may offer the testimony of witnesses. Both parties and the members of the Student Discipline Committee have the right to question all witnesses as to matters which are relevant to the proceedings.

8. In the event that any party involved in the hearing becomes disruptive or refuses to abide by hearing procedures, the committee chairperson may suspend the hearing and have the person removed from the hearing by Gadsden State Security and proceed without him or her.

9. The burden of proof rests with the person(s) bringing the charge(s).

10. If the student charged fails—without good cause, in the judgment of the Chairperson of the Committee—to appear at the designated time of the hearing, the Chairperson may conduct the hearing without the presence of the accused upon majority vote of the committee members. However, no student may be found to have violated the Student Conduct and Discipline Code solely because the student failed to appear before the Student Discipline Committee.

11. The Committee members must deliberate in confidential discussion and vote on all decisions of innocence or guilt strictly upon the evidence presented and on any sanctions. A simple majority shall be required for the Committee’s recommendation.

12. Within seventy-two (72) hours of the hearing (excluding weekends), the Chairperson will notify the student(s) and the Vice President, in writing, of the decision of the Committee.

13. The Vice President will notify any member of the College community as appropriate of the decision.

Sanctions to Be Imposed for Non-Academic Misconduct
If the Committee finds the accused guilty of non-academic misconduct, it may impose any of the following sanctions:

1. Warning - a statement to the offender that he/she has violated College regulations and that he/she will be subject to more stringent disciplinary action in the event of a future violation. Any further non-academic violations will result in immediate suspension and possible expulsion from GSCC.

2. Disciplinary Probation - a statement to the offender that he/she has violated College regulations and is being placed on disciplinary probation for a specified period of time with the stipulation that any form of non-academic misconduct by the offender during this period will result in immediate suspension and possible expulsion of the offender.

3. No Trespass – a requirement indicating that the student may not participate in or be present at a particular event or location on campus or may be banned from the entire campus and sites for a specified length of time.

4. Suspension - exclusion of the offender from all College activities, including classes and extracurricular functions for a specified period of time, not to exceed one calendar year.

5. Expulsion - termination of the offender's status as a student at GSCC.

6. Probation at the Residence Hall – If the non-academic misconduct involves the violation of one or more residence hall rules, the resident may be placed on probation for a specified length of time. Any further violation of policy could result in expulsion from the residence hall.

7. Expulsion from the Residence Hall - If the non-academic misconduct involves the violation of one or more residence hall rules or repeat violations, the resident may be expelled from the residence hall.

The President will be consulted concerning all cases prior to suspension or no trespass of a student from the College.

Appeals Board
In the event that a student seeks to present new evidence, he/she shall present a detailed summary of the new evidence to be presented. Based upon said summary, the Chairperson of the Appeals Board shall make a determination as to whether a hearing will be held for the formal presentation of the new evidence. New evidence shall be allowed only to the extent that said evidence was not available to the student at the time of the hearing before the Student Discipline Committee. Unless a hearing is granted as specified above, the appeal shall be limited to a review of the record and evidence presented to the Student Discipline Committee. In such case, the student shall not have the right to be present for said review.

The Appeals Board, consisting of the President of the Student Government Association (or another officer of the SGA), one faculty member, and one administrator (with the latter two appointed by the President of the College), shall hear and act on appeals only. The function of the Appeals Board is to consider all sides and all evidence/testimony and to render a decision on the appeal. The administrator will serve as Chairperson of the Appeals Board and will be
Policy Against Harassment and Discrimination

Introduction
The College is committed to providing both employment and educational environments free of harassment or discrimination related to an individual’s race, color, gender, religion, national origin, age, or disability. Any practice or behavior that constitutes harassment or discrimination shall not be tolerated on any campus or site or in any division or department by any employee, student, agent, or non-employee on college property and while engaged in any College-sponsored activities. It is within this commitment of providing a harassment-free environment and in keeping with the efforts to establish an employment and educational environment in which the dignity and worth of members of the College community are respected, that harassment of students and employees is unacceptable conduct and shall not be tolerated at the College.

A nondiscriminatory environment is essential to the mission of the College. A sexually abusive environment inhibits, if not prevents, the harassed individual from performing responsibilities as student or employee. It is essential that the College maintain an environment that affords equal protection against discrimination, including sexual harassment. Employees and students who are found in violation of this policy shall be disciplined as appropriate to the severity of the offense. Employees and students of the College shall strive to promote a college environment that fosters personal integrity where the worth and dignity of each human being is realized, where democratic principles are promoted, and where efforts are made to assist colleagues and students to realize their full potential as worthy and effective members of society. Administrators, professional staff, faculty, and support staff shall adhere to the highest ethical standards to ensure a professional environment and to guarantee equal educational opportunities for all students.

See Appendix F (page 225) for the complete policy.

Policy on Sexual Misconduct
This policy prohibits all forms of sexual or gender-based harassment, discrimination or misconduct, including sexual violence, sexual assault, and stalking and intimate partner violence. Misconduct of this nature is contrary to Gadsden State’s institutional values and prohibited by local, state and federal laws, College policies, and the policies of the
Alabama Community College System. Any individual who is found to have violated this policy may face disciplinary sanctions up to and including expulsion or termination of employment.

All College community members are strongly encouraged to report information regarding any incident of sexual harassment, sexual violence, stalking or intimate partner violence directly to the Safety and Security and the Title IX Coordinator. The College cannot take appropriate action unless an incident is reported to a “responsible employee” of the College. Upon receipt of a report, the College will take prompt and effective action by: providing interim remedies and support for individuals who make a report or seek assistance under this; conducting a review of the conduct under Title IX of the Education Amendments of 1972; addressing the safety of individuals and the campus community; and as warranted, pursuing resolution through informal measures or formal disciplinary action against the accused.

Retaliation against any person who makes a complaint or participates in the complaint process is a violation of College policy, and should be reported to the Title IX Coordinator. A finding of retaliation may result in disciplinary action independent of any sanctions imposed as a result of the underlying allegations of discrimination and/or harassment.

See Appendix G (page 229) for the complete policy.

Policies on Computer Use and Internet Access

Acceptable Use Policy for Technology Resources
The College provides technology resources for use by students, faculty, staff, and the general public. This technology includes but is not limited to, all College computing equipment, software, systems, networks, electronic mail, website, and Internet access. These resources are the property of the College and are provided to the campus community to support the College’s mission and institutional goals. The College reserves the rights to grant, restrict, or deny privileges and access to technology resources.

Use of the technology resources must be consistent with the stated mission, goals, policies, procedures, and priorities of the College. Use of College resources is a privilege and requires that users agree to abide by all relevant College policies and procedures, as well as all applicable federal, state, and local laws. Users are expected to conduct themselves in a responsible and ethical manner at all times.

Any use of College technology resources for illegal, inappropriate, or obscene purposes, or in support of such activities, is prohibited. Respect for intellectual property or copyright, ownership of data, security measures, and personal rights and privacy must always be demonstrated.

It should be clear that all personal use of computers to access pornographic websites will result in appropriate disciplinary action and may result in civil and criminal penalties for users. Personal use of computers for business purposes is prohibited and may constitute violation of the Alabama Ethics law. It is illegal to download music through the College computer network system. Employees who are found to be illegally downloading music will be subject to federal and state laws pertaining to such acts.

See Appendix H (page 235) for the complete policy.

Policy on Copyright and Fair Use
Copyright is the ownership and control of the intellectual property in original works of authorship. The laws of the United States (Title 17, United States Code) provide protection to the owner of copyright. This protection is available to both published and unpublished works. Public Law 94-553, section 6, generally gives the owner of copyright the exclusive right to, and to authorize others to: reproduce in copies, prepare derivative works, distribute copies, perform publicly, and display publicly the copyrighted work.

Copyright law governs any print or non-print reproduction of copyrighted material. It is illegal for anyone to violate any of the rights provided by the copyright law to the owner of copyright. One major limitation, however, is the doctrine of “fair use”. Whether use of copyrighted materials falls under the “fair use” exception depends on these four factors: purpose of the use, nature of the work, amount of copying, and effect of the copying on the potential value of the work. Another limitation can be a “compulsory license,” which permits limited uses of copyrighted works in return for the payment of fees or royalties.

Faculty, staff, and students of the College must comply with the provisions of the state and federal intellectual property laws, such as the Copyright Act. Procedures for obtaining copyright permissions for course materials have been established and should be followed. Copies of this procedure and other information explaining the Copyright Act
as it pertains to copying both course materials and material for personal use are available in campus libraries and on the College web page.

See Appendix I (page 237) for complete policy.

Policy on Student Communication

It shall be the policy of GSCC that all forms of student communication that are shared with persons outside the College shall adhere to community standards of decency. These forms of student communication may include, but are not limited to, spoken and written communication in any medium, musical and dance performances, and art displays. It shall be the responsibility of the instructor, club sponsor, or program director to review all communications prior to display or presentation to ensure that the sensibilities of all people in our service area are considered.

Further, College personnel who instruct or supervise students who display works or engage in performances within the College are directed to exercise similar caution. Student work products in the classroom should not be obscene or offensive to other students, College employees, or visitors to campus.

This policy is not intended to stifle creativity in the classroom or freedom of speech. However, it is important that we consider the community standards and comfort level of all students within the College Community.

Policy on Alcohol and Drugs

The possession, use, manufacture, sale, or distribution of any controlled substance or drug paraphernalia as defined by federal or Alabama law is prohibited on Gadsden State property. College property includes buildings, grounds, roads, parking lots, and residence hall facilities and rooms.

Commission of any of the following acts relating to possession or use of any controlled substance(s) and/or alcoholic beverage(s) is prohibited: (1) possession or consumption of any controlled substance or alcoholic beverage anywhere on Gadsden State property, including Fowler Hall; (2) public intoxication on Gadsden State property, including Fowler Hall; and (3) driving on Gadsden State property while under the influence of any controlled substance or alcohol.

The College reserves the right to notify local law enforcement officers if College officials have reason to believe that the Gadsden State policies and/or State and Local laws concerning alcohol and drugs are being violated.

In addition, any student who desires to participate in intercollegiate athletics at the College will be required to submit to random individual and/or random team drug testing, which will be a urinalysis for amphetamines, cocaine, THC, opiates, and PCP.

Any and all information regarding or relating to violations of the College policy on alcohol and drugs will be surrendered to the proper authorities for investigation and use as they see fit. GSCC is committed to being and remaining a drug-free campus and will fully cooperate with law enforcement authorities against any and all offenders under this policy.

Policies and Procedures on Fund-Raising Activities

GSCC requires that all fund-raising activities clearly relate to the overall mission of the College. Gadsden State will comply with all pertinent State and Federal regulations, legislation, and procedures. The College shall in no way compromise its commitment to maintain appropriate legal and administrative practices, as well as accreditation criteria.

All requests to conduct fund-raising activities—whether by individuals, groups of students or employees, or the Foundation—must be submitted to the Vice President, 107 Allen Hall. This is also the office in which the Gadsden State Fund-Raising Activity Request Form may be obtained, or it can be found online at http://www.gadsdenstate.edu/faculty-and-staff/documents/AppendixFFRevised3811.pdf. The form must be completed by the applicant and approved by the Dean of Financial and Administrative Services, the Vice President, and the President of the College. A copy of the approved request form will be given to the applicant (originator), and the original form will be filed in the Office of the Vice President.

Policy on Sales and Solicitations

To fulfill its responsibility of providing and maintaining an environment conducive to teaching and learning, GSCC has the obligation to restrict, regulate, and prohibit on-campus sales and solicitations, especially by individuals and groups not affiliated with the College. For information about the Gadsden State policy on sales and solicitations, those interested may contact the Office of the President at 256.549.8221.
Policies and Procedures on Work Orders
Gadsden State students or employees may request work to be performed by some vocational/technical programs.

See Appendix J (page 240) for complete policy.

Policy on Social Media

Introduction and Objective
Many current and future students, faculty, staff, alumni, and donors are utilizing mediums, such as Facebook, Twitter, LinkedIn, and YouTube, to stay connected. GSCC believes that having a presence in these areas will allow the College to interact more effectively with students and the community. In order to operate within these mediums effectively, GSCC has developed a social media policy to ensure that any and all interactions on behalf of GSCC represent the College's best interests.

The GSCC Social Media Policy only applies to social media accounts created to represent GSCC's groups, departments, programs, entities, classes, etc., and does not apply to an individual student, faculty, or staff member's personal (non-professional) account.

See Appendix K (page 241) for the complete policy.

Policy on No Smoking and Tobacco Use

It is the official policy of Gadsden State Community College that smoking and the use of tobacco is prohibited within, buildings, structures, and vehicles owned, leased, or rented by the College, and also within 30 feet of buildings owned, leased, or rented by the College. This includes instructional sites, centers, building entrances, and common areas.

What do we consider “tobacco”? Under this policy tobacco is any lighted or unlighted cigarette, cigar, pipe, bidi, clove cigarette, and any other smoking product, as well as smokeless or spit tobacco products, sometimes referred to as dip, chew, or snuff.

What do we consider “smoking”? Under this policy, smoking is defined as carrying or holding any lit or ignited pipe, cigar, cigarette, electronic cigarette, or any other lit or battery operated smoking equipment or device.

Policy on No Trespass & Appeal Procedure

Gadsden State Community College is a public institution of higher education that is open to the general public. However, the College retains the right to restrict access to College property and College-sanctioned activities due to safety considerations relating to its students, faculty, staff and visitors. This policy describes the circumstances under which access to or presence on College property or at College-sanctioned activities or events may be restricted and the procedures for issuing a No Trespass Notice (“Notice”).

When it is determined that an individual presents an ongoing threat to the College, the College may issue a No Trespass Notice restricting that person from any property owned or controlled by the College.

See Appendix L (page 244) for the complete policy.

Policy on Registered Sex Offender Notification

Persons required by law to register as sex offenders (registered sex offenders) will be required to notify Campus Security of his/her intent to enroll and will be required to meet with Campus Security to review the notification procedure and conditions of enrollment. If a registered sex offender registers for classes and becomes a student before the college receives such notification, the student will be immediately informed that he/she is being dropped from classes and will receive a refund of any fees that have been paid.

Gadsden State Community College reserves the right to deny, or revoke the admission of registered sex offenders in accordance with College policy. The College reserves the right to evaluate the circumstances of each case and to refuse admission if it is determined that the applicant is a threat to the safety or security of the College community.

When the College is notified by a corrections or law enforcement agency that a registered sex offender has enrolled or intends to enroll, or a registered sex offender self-reports to a College official, the CARE Committee will determine whether such individual will be allowed to attend classes.

See Appendix M (page 247) for the complete policy.
Policy on Email as Official Communication for Students

Effective immediately, the Gadsden State Community College (GSCC) email system is deemed the official method of communication whereby students are notified of College-related matters: cancelled/dropped classes, admission status, financial matters, announcements, and general information exchange. Official College communications demand attention, and often a timely response. Students are responsible for the consequences of not reading, acting upon, and/or responding to official college related communications sent to their GSCC student email address.

Faculty members may require the use of email, Blackboard, the My Gadsden State Portal or other forms of electronic communication for course content delivery, class discussion, or synchronous chat. It is recommended that faculty specify these requirements in their course syllabus. Faculty may expect that students access and read notices sent to their official GSCC student email address.

Students who forward their GSCC email to another email address (e.g. username@aol.com) do so at their own risk. GSCC cannot ensure the delivery of its official communications by external service providers. Forwarding email does not relieve the receiver from the responsibilities associated with electronic communications sent to the GSCC email address.

Students are expected to check email frequently. It is recommended that email be checked daily, but at a minimum, twice per week. Regular email management will also minimize the risk that the inbox will be full, causing the email to be returned to the sender with an error. Undeliverable messages returned due to either a full inbox or use of a "spam" filter will be considered delivered without further action required of the College.

Faculty, staff, and student sponsored organizations must request approval of the Director of Public Relations to have batched student messages sent through the GSCC student email system. Only meaningful and relevant information will be allowed.

Policy on Children on Campus

Gadsden State is an institution of higher education. While Gadsden State welcomes and invites the presence of children on campus, it recognizes that its campuses and events may not always be an appropriate environment for children.

The purpose of this policy is to promote the health, safety, and well-being of children on campus and children who participate in College events and to clarify the College's rules with respect to children and minors on campus and at College-sanctioned events. This policy applies to employees, students, campus visitors, and individuals or Organizations engaging in or conducting activities associated with the College.

For the purposes of this policy, the terms "child," "children," "minor," and "minors" refer to individuals under the age of 18.

A. **Responsibility for Children.** In recognition of the family needs and responsibilities, students, faculty, and staff may bring their child(ren) to campus for limited periods of time while the employee or student is engaged in work or educational activities: with approval by the appropriate supervisor. In doing so, the needs of other College community members for a quiet and productive work and educational setting must be respected. No facility or office on campus is to be used regularly in lieu of child care or for unsupervised recreation for children. The adult responsible for a child is also responsible for the child's behavior and actions, and is expected to ensure that the child's behavior is compliant with College policies.

B. **Risks.** The adult responsible for bring a child to campus and College events will also be responsible for any and all injuries or damages sustained to or by the child or any other child accompanying them while on campuses or any properties owned or leased by the College. The College will not be responsible or liable for any such injuries or damages.

C. **Revocation.** Allowing employees and students to bring their child(ren) to campus is a privilege extended by the College and may be revoked at the discretion of the College. The College may also prohibit an employee or student from bringing a child(ren) to campus if a member of the College community provides a reasonable objection.

D. **College-Sanctioned Events.** Gadsden State hosts a number of events that are open to children. In order to ensure their safety and that of other guests, the College requires the parent, legal guardian, or other adult responsible for each child to comply with the following provisions:
1. The College will not be responsible for the supervision of any children who attend a campus or College-sanctioned event unless the event sponsored specifically states in a written announcement that supervision by College will be provided.
2. Children must remain in the area of campus where the event is located.
3. The adult responsible for a child is also responsible for the child's behavior and actions and for any damage caused by a child.
4. If a child attending an event or program needs an accommodation for a disability or other special need, it is the responsibility of the adult to request such an accommodation, in advance of the event, to ensure that the accommodation is in place or that the accommodation is one that can be extended by the College.

General Education

General Education is that portion of the collegiate experience which addresses the knowledge, skills, attitudes, and values characteristic of an educated person. It is unbounded by disciplines and honors the connections among bodies of knowledge. A student who completes a Gadsden State educational program consisting of a long certificate or associate degree is expected to meet these competencies at the level appropriate to the credential. Specifically, the purpose of the General Education core competencies is to produce graduates who, at the competency level appropriate to the credential, can communicate, both orally and in writing; perform basic computational skills; and use technology, thereby producing "graduate students who are articulate, reflective, creative, intellectually flexible, and prepared for continuous learning." Formally stated, the College’s General Education core competencies are the following:

1. Students will demonstrate the ability to communicate effectively in a style appropriate to the subject, occasion, and audience.
2. Students will demonstrate the ability to use appropriate mathematical tools in the solution of problems.
3. Students will demonstrate and understanding of arts and humanities.
4. Students will demonstrate the ability to understand, construct, and evaluate relationships in the natural sciences.
5. Students will demonstrate an understanding of how social and behavioral sciences discover, describe and explain the behaviors and interactions among individuals, groups, institutions, events, and ideas.
6. Students will demonstrate a functional knowledge and application of appropriate technology.

The degree and long certificate programs at the College support this collegiate initiative which focuses on the above narrative and attendant elements.

Programs of Study and Transfer Guides

NOTICE # 1: The statements in this catalog and student handbook are informational only; they are NOT the basis of a contract between the student and the College. Although Gadsden State will try to do what this book says that it will do and will make every effort to let the student know about any changes, the College has the right to change any such provision without notifying the student individually. If it becomes necessary for Gadsden State to abolish a program, the College may substitute a limited number of courses in order for the student to complete that program.

NOTICE # 2: Because program requirements at one four-year college or university often differ from those at another, a student who intends to pursue a four-year degree should refer to the requirements of the transfer institution to ensure that the courses taken at Gadsden State are applicable toward the degree sought.

NOTICE # 3: Gadsden State may grant, but is NOT required to do so, up to twenty (20) semester hours of credit to a student in a technical program for prior study-related work and/or educational experiences. Such credit is posted to the student’s transcript at the time that approved paperwork is submitted from the Office of the Dean of Technical Programs.

The Academic and Technical divisions of GSCC offer programs leading to degrees and certificates. The Academic Division also prepares students planning to transfer to four-year institutions in quest of baccalaureate degrees in areas of study for which Gadsden State does not grant degrees. The College has designated at least one instructor to serve as advisor for each degree or certificate program, at least one advisor for each area of study in which Gadsden State offers courses but does not offer a degree, and at least one advisor for those students who have yet to select a degree or a certificate program. Advisor information appears under each program of study.
Skills Training Division

Programs of Study

Notice #1: The statements in this catalog and student handbook are informational only; they are NOT the basis of a contract between the student and the College. Although Gadsden State will try to do what this book says that it will do and make every effort to let students know about the changes, the College has the right to change any provision without notifying a student individually. If it becomes necessary for the College to abolish the program in which a student is enrolled, the College may substitute a limited number of courses in order for the student to complete that program.

Notice #2: The Skills Training Division provides short-term non-credit, competency-based training programs coordinated through Gadsden State’s Skills Training Center located on the East Broad Campus. All training programs within this Division are measured by contact hours rather than semester hours. Students may register for classes at any time throughout the year and may continue until the appropriate skills have been attained. For more information, call 256.549.8640 or 256.549.8638.

Notice #3: Students who complete training programs within this division will be awarded an institutional certificate of completion documenting the area of training.

Air Conditioning and Refrigeration
This program prepares individuals to apply technical skills and knowledge to repair, install, service, and maintain the operation of heating, air conditioning, and refrigeration systems.

- Refrigeration Transition & Recovery
- Air Conditioning Systems
- Heating Systems
- Heat Pumps

Auto Body
This program prepares individuals to apply technical skills and knowledge to repair and refinish automobiles.

- Surface Preparation
- Paint Mixing, Matching and Applying
- Refinishing

Electrician Assistant
This program prepares students to apply knowledge and skills to assist electricians with wiring methods, materials and associated NEC requirements within residential and commercial wiring practices.

- Wiring Components
- Wiring Methods
- Cable Connections
- Metering
- Conduits
- Bending Techniques

Machine Trades
This program prepares students to apply knowledge and skills to plan, manufacture, assemble, test, and repair parts, mechanisms, machines, and structures in which materials are cast, formed, shaped, molded, heat treated, cut, twisted, pressed, fused, stamped, or worked.

- Lathes
- Advanced Lathes
- Milling Machines
- Advanced Milling Machines
- Grinding Machines
- Computer Numerical Control

Office Careers
This program prepares individuals to perform the duties of administrative assistants or secretaries. Included in the instruction are data processing, data entry, office machines, filing, accounting, record management, word processing, spreadsheet, database, and desktop publishing.

- Receptionist
- General Office Assistant
- Administrative Assistant
- Accounting Technician
- Medical Office Assistant
- Legal Office Assistant
- Computer Support Specialist

Ready to Work (RTW)
Alabama’s Ready-to-Work program provides a career pathway for adults with limited employment experience. Ready-to-Work’s workplace environment provides trainees the entry-level skills required for employment with most businesses and industries in Alabama. Successful completers earn an “Alabama Certified Worker” (ACW) Certificate and a “Career Readiness Credential” (CRC).

- Communication Skills and Customer Service
- Basic Education
- Computer Skills
- Problem Solving Skills
- Workplace Behavior
- Manufacturing
- Job Acquisition
Welding
This program prepares individuals to apply technical knowledge and skill to unite or separate parts by heating, using a variety of techniques and equipment, such as brazing, arc, gas, and laser operations.
- Shielded Metal Arc Structural and Pipe Welding
- Gas Metal Arc Fillet Welding
- Gas Tungsten Arc Welding
- Blueprint Reading for Fabrication

Division of Health Sciences

Clinical Laboratory Technology Program
Clinical laboratory technicians (CLTs) perform tests that analyze a variety of clinical specimens that include blood, tissues, urine, and other body fluids. They use complex instruments, specialized techniques, and scientific knowledge to provide critical information for diagnosis, treatment, and preventative health care. CLTs perform routine laboratory tests, perform and evaluate quality control tests, perform calibration and preventative maintenance of laboratory instruments and report test results. In addition, CLTs work with other health-care professionals, including physicians, by providing appropriate information to establish modern, cost-effective diagnostic test profiles. Clinical laboratory personnel are part of the health-care team and must communicate effectively with patients, other health-care professionals, and the public.

This program, which is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (5600 N. River Road, Suite 720, Rosemont, IL 60018; phone 773.714.8880; fax 773.714.8886; website: www.naacs.org), entails a five-semester/term curriculum leading to an Associate in Applied Science degree in Clinical Laboratory Technology (CLT). Graduates of this program are eligible to write the registry examination offered for certification by the American Society of Clinical Pathologists (ASCP) or by the American Medical Technologist (AMT). After passing the examination, graduates are certified as registered Medical Laboratory Technicians. This certification ensures professional status. For information regarding the Clinical Laboratory Technology Program, individuals should visit the CLT Program website (www.gadsdenstate.edu/academics/health/clt.php) or call 256.549.8217.

Phlebotomy Training Program
For information regarding the Phlebotomy Training Program, individuals should visit the Program website (www.gadsdenstate.edu/academics/health/phlebotomy.php) or call 256.549.8217.

Emergency Medical Services
EMS Program – The College offers three related programs in this career area leading to the Associate in Applied Science degree in Emergency Medical Services (EMS) and three institutional program certificates in EMT, Advanced EMT and Paramedic.

The Emergency Medical Services Program is accredited by the Committee on Accreditation of Allied Health Programs (CAAHEP), 1361 Park Street, Clearwater, FL 33756; telephone: 727.210.2350; fax: 727.210.2354; website: www.caahep.org by recommendation from the Committee on Accreditation of Educational Programs for the EMS Profession of Allied Health Programs (CoAEMSP), 4101 Oaks Blvd., #305-599, Arlington, TX 76016; telephone: 817.330.0080; fax: 817.330.0089; website: www.coaemsp.org and by the State of Alabama Department of Public Health Office of Emergency Medical Services and Trauma (ADPH-OEMST) RSA Tower, 201 Monroe Street, Suite 750, Montgomery, AL 36104; telephone: 334.206.5383; fax: 334.206.5260; www.adph.org. For information about the program, individuals may visit www.gadsdenstate.edu/academics/health/ems.php or contact the Director at 256.549.8654, or via e-mail at pbrown@gadsdenstate.edu.

Healthcare Linkage Programs
The Division of Health Sciences has articulation agreements with Jefferson State Community College and Wallace State Community College—Hanceville for various healthcare programs not offered at GSCC. Further information can be obtained by calling 256.549.8257.

Massage Therapy Program
The Therapeutic Massage Program, which is approved by the Alabama Board of Massage Therapy (telephone number 334.269.9990; website www.almtd.state.al.us) is a short-certificate (29 credit hours; 720 contact hours) program that prepares students to become successful practicing bodyworkers by giving them broad knowledge of Western theories and techniques. Upon successful completion of the program, graduates are eligible to write the MBLEx (Massage and Bodywork Licensing Exam) exam through the Federation of State Massage Therapy Boards (website www.fsmtb.org). The Gadsden State Community College Massage Therapy Program is accredited through COMTA (Commission on Massage Therapy Accreditation, 5335 Wisconsin Avenue NW, Suite 440, Washington, D.C.)
Nursing Assistant
The Nursing Assistant Program is a two-semester (28 credit hours) short-certificate program designed to prepare students in the theoretical and clinical practice of nursing assistance. The program also includes courses in phlebotomy, and medical terminology to enrich the graduate's knowledge and skills and cross train for various healthcare settings. Upon successful completion of the program, graduates are eligible to write the certification exams for nursing assistant and phlebotomy. Special program information for the Nursing Assistant Program is available at www.gadsdenstate.edu/academics/health/nas.php.

Nursing Education

Practical Nursing - General Information
Gadsden State's Practical Nursing Program, which is approved by the Alabama Board of Nursing (RSA Plaza St 250, 770 Washington Ave., Montgomery, AL 36104; telephone 1.800.656.5318; website: www.abn.state.al.us), and is accredited by the Accreditation Commission for Education in Nursing (3343 Peachtree Road, NE, Suite 850, Atlanta, Georgia 30326; telephone: 404.975.5000; fax 404.975.5020; website www.acenursing.org) is a certificate program that prepares students in the theoretical and clinical practice of basic bedside nursing. Upon satisfactory completion of the program, graduates are eligible to write the National Council Licensure Examination for Practical Nurses (NCLEX-PN). After passing the examination, graduates will carry the title "Licensed Practical Nurse." Classes for the Practical Nursing Program are admitted to begin each fall semester and the program can be completed in three semesters. A four semester program of study is offered at the Valley Street Campus that begins in a spring admission cycle. Students are also able to negotiate a curriculum plan that allows completion of the program part-time. The Practical Nursing Program is offered only during the daytime and at the following locations: the Valley Street Campus, Gadsden State Cherokee, and the McClellan Center. Advisors are available in Helderman Hall on the Wallace Drive Campus (256.549.8257), and on select days at the McClellan Center (256.238.9373), Gadsden State Cherokee (256.927.1800) and at the Ayers Campus (256.832.1202). Applicants are admitted without regard to sex, race, color, national origin, marital status, age, or religious preference. For more information on the Practical Nursing Program, those interested should visit www.gadsdenstate.edu/academics/health/nursingeducation.php or www.gadsdenstate.edu. (Health Science appears under Academic/Technical.)

Mission
The mission of the Practical Nursing Program is to provide educational services that satisfy both the needs in the College service area for licensed practical nurses and the desire of people who seek a relatively short-term technical program to prepare them for a career. Practical nursing education can also be viewed as a vehicle for career mobility. Within this Alabama State Board of Nursing-approved program, there is dedication among the faculty to incorporate the most current knowledge and technology in the preparation of nurses who, under the supervision of a registered nurse, licensed physician, or licensed dentist, perform activities that contribute to the prevention of illness, as well as the promotion, maintenance, and restoration of health. Gadsden State’s Practical Nursing Program is following the Alabama Community College System Standardized curriculum.

Registered Nursing - General Information
The Registered Nursing Program is approved by the Alabama Board of Nursing (RSA Plaza St 250, 770 Washington Ave., Montgomery, AL 36104; telephone 1.800.656.5318; website: www.abn.state.al.us) and accredited by the Accreditation Commission for Education in Nursing (3343 Peachtree Road, NE, Suite 850, Atlanta, Georgia 30326; telephone: 404.975.5000; fax: 404.975.5020); website www.acenursing.org to offer the A.A.S. degree in nursing. This career-entry program, to which qualified applicants are admitted without regard to sex, race, color, national origin, marital status, age, or religious preference, is a five-semester/term sequence of laboratory and classroom education and clinical experiences. Students are also able to negotiate a curriculum plan that allows completion of the program part-time. Successful completion of this program prepares graduates to write the National Council Licensure Examination (NCLEX-RN) for licensure and practice as Registered Nurses. For more information on the Registered Nursing Program, those interested should visit the website: www.gadsdenstate.edu/academics/health/nursingeducation.php or www.gadsdenstate.edu. (Health Science appears under Academics.)

Mission
The mission of the Registered Nursing Program is to provide educational services that satisfy both the need in the College service area for registered nurses at the A.A.S. degree level and the desire of people who seek a relatively short-term career education program in nursing. The unit in nursing is dedicated to providing a program that incorporates the most current knowledge and technology in the preparation of nurses. The mission extends to include the provision of continuing education, professional development, and personal enrichment experiences for healthcare practitioners and others in the community. Gadsden State’s nursing program follows the Alabama Community College System Standardized curriculum.
Public Safety Telecommunications

Students pursing the associate degree in Public Safety Telecommunications (67 credit hour on-line program) must be dually admitted to Jacksonville State University (JSU) and Gadsden State. Upon completion of all program requirements, Gadsden State awards the Associate Degree in Applied Science in Public Safety Telecommunications through the Institute for Emergency Preparedness (IEP). Gadsden State and JSU are partners in the IEP to provide training, research and education, emergency management, emergency medical services, hazardous materials management and homeland security. Program information is available at www.gadsdenstate.edu/academics/health/pst.php. Federal aid for Public Safety Telecommunications students is awarded by Jacksonville State University.

Radiologic Technology Program - General Information

The Radiologic Technologist (Radiographer) uses imaging equipment to produce radiographic images of portions of the human body as prescribed by physicians for use in diagnosing medical problems. When providing these services, radiographers prepare the patient for radiologic examinations by explaining the procedure and properly positioning the patient for the correct exposure. Radiographers utilize problem solving and critical thinking skills to perform medical imaging procedures to ensure that the physician receives the necessary information to make an appropriate diagnosis. By using variable technical parameters and measurements, the radiographer can produce quality diagnostic images with appropriate density, detail, and contrast, while preventing unnecessary radiation exposure. Professional competence requires that radiographers apply knowledge of anatomy, physiology, positioning, radiographic technique, and radiation biology and protection in the performance of their responsibilities. Because radiographers are an integral part of the healthcare team, they must also be able to communicate effectively with patients, other health professionals, and the public.

This Program, which is accredited by the Joint Review Committee on Education in Radiologic Technology, entails a five-semester curriculum leading to an Associate in Applied Science degree in Radiologic Technology. Graduates of this Program are eligible to write the registry examination offered for certification by the American Registry of Radiologic Technologists. After passing this examination, the graduate will be certified as a registered technologist in radiography. The certificate of registration carries with it the privilege of using the title “Registered Technologist” and of using the abbreviation R.T.(R) (ARRT). For information regarding the Radiologic Technology Program, individuals should visit www.gadsdenstate.edu/academics/health/rad.php or call 256.549.8217 (for the most current information).

Surgical/Operating Room Technology

Special program information for the Surgical/Operating Room Technology Program is available at www.gadsdenstate.edu/academics/health/sur.php.
Degree and Certificate Requirements

GSCC offers programs leading to three degrees and two certificates, the requirements for which are listed below.

Associate in Arts Degree (or) Associate in Science Degree

The requirements for the Associate in Arts (A.A.) degree and for the Associate in Science (A.S.) degree, which are listed below, are identical. Student courses that are approved for the General Studies Curriculum may transfer to an Alabama public two-year or four-year educational institution as credit for those courses required for their major. If the student completes the curriculum for a specific degree, he/she may graduate with the appropriate A.A. or A.S. degree. Almost without exception, the student completes 60-64 semester hours of coursework as prescribed, depending on the four-year college to which he/she transfers.

<table>
<thead>
<tr>
<th>Area of Coursework</th>
<th>Semester Hours Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area I: Written Composition I and II</td>
<td>6</td>
</tr>
<tr>
<td>Area II: Humanities, Fine Arts and Speech</td>
<td>12</td>
</tr>
<tr>
<td>• Must complete a minimum of 3 semester hours in Literature.*</td>
<td></td>
</tr>
<tr>
<td>• Must complete 3 semester hours in the Fine Arts.</td>
<td></td>
</tr>
<tr>
<td>• Must complete 3 semester hours in Speech unless provisions for addressing oral communication competencies represent an integral module in a required discipline-specific course.</td>
<td></td>
</tr>
<tr>
<td>• Must complete 3 additional semester hours from one of the following areas: area/ethnic studies, art and art history, foreign languages, humanities, literature, music and music history, philosophy, ethics, religious studies, speech, theater, and dance.</td>
<td></td>
</tr>
<tr>
<td>• Student must complete a two-course sequence in EITHER Literature OR History.</td>
<td></td>
</tr>
<tr>
<td>Area III: Natural Sciences and Mathematics</td>
<td>11</td>
</tr>
<tr>
<td>• Must complete 3 semester hours in Mathematics at the precalculus algebra or finite math level.</td>
<td></td>
</tr>
<tr>
<td>• Must complete 8 semester hours in the Natural Sciences, which must include laboratory experiences. In addition to mathematics, disciplines in the natural sciences include the following: astronomy, biological sciences, chemistry, geology, physical geography, earth science, physics, and physical science.</td>
<td></td>
</tr>
<tr>
<td>Area IV: History, Social and Behavioral Sciences</td>
<td>12</td>
</tr>
<tr>
<td>• Must complete a minimum of 3 semester hours in History.*</td>
<td></td>
</tr>
<tr>
<td>• Must complete at least 6 semester hours from among other disciplines in the Social and Behavioral sciences. Social and Behavioral Sciences include but are not limited to the following: anthropology, economics, geography, political science, psychology, and sociology.</td>
<td></td>
</tr>
<tr>
<td>• Student must complete a two-course sequence in EITHER Literature OR History.</td>
<td></td>
</tr>
<tr>
<td>Area V: Pre-Professional, Pre-Major and Elective Courses*</td>
<td>19</td>
</tr>
<tr>
<td>• Courses appropriate to the degree requirements and major of the individual student. Students completing courses that have been approved for the General Studies Curriculum and are appropriate to their majors and/or degree programs may transfer these courses with credit applicable to their degree programs among the Alabama public two-year and four-year colleges and universities.</td>
<td></td>
</tr>
</tbody>
</table>

Total Maximum Semester Credit Hours 60

*NOTICE: The sequence in Area II and IV in literature or history needs to follow the sequence requirements according to the student’s major and transfer plans. These requirements are outlined in the "Programs of Study and Transfer Guides" section of this catalog, for a total of 60-64 semester hours, or 50% of the total required by the college or university to which the student plans to transfer.
**Associate in Applied Science Degree**

The requirements for the Associate in Applied Science (A.A.S.) degree—which is for students planning to specialize in technical, business, semi-professional, and supervisory fields that are career oriented or, in selected fields, to transfer to a senior institution—are listed below.

<table>
<thead>
<tr>
<th>Area of Coursework</th>
<th>Semester Hours Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area I: Written Composition I and II</td>
<td>3-6</td>
</tr>
<tr>
<td>Area II: Humanities, Fine Arts, and Speech</td>
<td>3-6</td>
</tr>
<tr>
<td>- Areas I and II must include a minimum of 9 semester hours.</td>
<td></td>
</tr>
<tr>
<td>- Must complete 3 semester hours in Humanities or Fine Arts.</td>
<td></td>
</tr>
<tr>
<td>- Must complete 3 semester hours in speech, unless provisions for addressing oral communication competencies represent an integral module in a required discipline-specific course. Humanities and fine arts disciplines include the following: area/ethnic studies, art and art history, foreign languages, humanities, literature, music and music history, philosophy, ethics, religious studies, theater, and dance.</td>
<td></td>
</tr>
<tr>
<td>Area III: Natural Sciences and Mathematics</td>
<td>9-11</td>
</tr>
<tr>
<td>- Must complete a minimum of 3 semester hours in Mathematics (100 level or numerically higher).</td>
<td></td>
</tr>
<tr>
<td>- Must complete one course in Computer Science (two courses preferred) or demonstrate computer literacy skills, or the integration of computer proficiencies within a required discipline-specific course.</td>
<td></td>
</tr>
<tr>
<td>In addition to Mathematics, disciplines in the Natural Sciences include astronomy, biology, chemistry, physics and physical science.</td>
<td></td>
</tr>
<tr>
<td>Area IV: History, Social and Behavioral Sciences</td>
<td>3-6</td>
</tr>
<tr>
<td>In addition to history, the social and behavioral sciences include the following: anthropology, economics, geography, political science, psychology, and sociology. Any student seeking the A.A.S. as a terminal award is not required to complete more than three semester hours in this area.</td>
<td></td>
</tr>
<tr>
<td>Area V: Maximum General Education Core, Technical Concentration and Electives*</td>
<td>47-58</td>
</tr>
<tr>
<td>In addition to courses in the preceding four areas, the student must take whatever core and/or elective courses that are appropriate to the requirements for the degree or for the occupational or technical specialty that the student is pursuing.</td>
<td></td>
</tr>
</tbody>
</table>

**Total Maximum Semester Credit Hours** 76

*If the student is planning a program of study for which the A.A.S. degree does not represent the terminal degree and for which national or regional programmatic licensure and certification are required, the student should try to integrate General Studies transfer courses into his/her program whenever possible.
Certificate
The requirements for the certificate, which entail from 30 to 60 semester hours, are listed below.

<table>
<thead>
<tr>
<th>Area of Coursework</th>
<th>Semester Hours Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Area I: Written Composition</strong></td>
<td>3-6</td>
</tr>
<tr>
<td>• COM 100 may be substituted for English Composition I and II only in system-wide non-degree eligible programs.</td>
<td></td>
</tr>
<tr>
<td><strong>Area II: Humanities, Fine Arts, and Speech</strong></td>
<td>3-6</td>
</tr>
<tr>
<td>• SPH 106 is required unless provisions for addressing oral communication competencies represent an integral module in a required discipline-specific course.</td>
<td></td>
</tr>
<tr>
<td>• SPC 103 may be substituted only in system wide, non-degree eligible programs.</td>
<td></td>
</tr>
<tr>
<td><strong>Area III: Natural Sciences and Mathematics</strong></td>
<td>6</td>
</tr>
<tr>
<td>The student must select courses from mathematics or science or computer science, including at least one course (two preferred) in computer science (data processing) or demonstrated computer literacy skills or the integration of computer proficiencies within at least one required discipline-specific course.</td>
<td></td>
</tr>
<tr>
<td>Mathematics and computer courses may be substituted only in system wide, non-degree eligible programs.</td>
<td></td>
</tr>
<tr>
<td><strong>Area IV: Social and Behavioral Sciences and History</strong></td>
<td>0</td>
</tr>
<tr>
<td><strong>Area V: Maximum General Education Core, Technical Concentration and Electives</strong></td>
<td>42-50</td>
</tr>
<tr>
<td>*In addition to the courses referred to in the preceding four areas, the student must take those courses appropriate to the certificate requirements and to the occupational or technical specialty requirements, as well as core courses and elective courses.</td>
<td></td>
</tr>
<tr>
<td><strong>Total Maximum Program Semester Credit Hours</strong></td>
<td>60</td>
</tr>
</tbody>
</table>

Short-Term Certificate
The requirements for the short-term certificate, which entail from as few as 9 but no more than 26 semester hours, are listed below.

<table>
<thead>
<tr>
<th>Area of Coursework</th>
<th>Semester Hours Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Area I: Written Composition</strong></td>
<td>0-3</td>
</tr>
<tr>
<td>• It is recommended that the student take at least one technical writing course.</td>
<td></td>
</tr>
<tr>
<td><strong>Area II: Humanities, Fine Arts and Speech</strong></td>
<td>0</td>
</tr>
<tr>
<td><strong>Area III: Natural Sciences and Mathematics</strong></td>
<td>0-3</td>
</tr>
<tr>
<td><strong>Area IV: Social and Behavioral Sciences and History</strong></td>
<td>0</td>
</tr>
<tr>
<td><strong>Area V: Maximum General Education Core, Technical Concentration, and Electives</strong></td>
<td>9-29</td>
</tr>
<tr>
<td>*In addition to any courses referred to in the preceding four areas, the student must take those courses appropriate to the certificate requirements and to the occupational or technical specialty requirements, as well as core courses and elective courses.</td>
<td></td>
</tr>
<tr>
<td><strong>Total Maximum Program Semester Credit Hours</strong></td>
<td>29</td>
</tr>
</tbody>
</table>
# PROGRAMS OF STUDY

## Accounting Technology A.A.S.

**Advisors - Ayers Campus:** Alison Hollingsworth (256.835.5415)  
[ahollingsworth@gadsdenstate.edu](mailto:ahollingsworth@gadsdenstate.edu)

**Wallace Drive Campus:** Jamie Payton (256.549.8347)  
[jpayton@gadsdenstate.edu](mailto:jpayton@gadsdenstate.edu)

<table>
<thead>
<tr>
<th>STUDENT PROGRESS</th>
<th>Grade</th>
<th>Term Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Area I – Written Composition:</strong></td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>• ENG 101 - English Composition I ........................................</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>• ENG 102 - English Composition II .......................................</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Area II - Humanities and Fine Arts:</strong></td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>• Speech .................................................................</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>• Humanities OR Fine Arts ...............................................</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Area III – Natural Sciences and Mathematics:</strong></td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>• CIS 146 - Microcomputer Applications .................................</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
| • MTH 100 - Intermediate College Algebra OR  
  MTH 112 - Precalculus Algebra OR Higher level Math ................ | 3     |                |
| • Natural Science and Lab ............................................... | 4     |                |
| **Area IV – History, Social and Behavioral Sciences:** | 3     |                |
| • ECO 231 - Principles of Macroeconomics ................................ | 3     |                |
| **Area V – Pre-Professional, Pre-Major and Electives:** | 43    |                |
| • ORI 101 - Orientation to College ...................................... | 1     |                |
| • ACT 246 - Microcomputer Accounting .................................... | 3     |                |
| • ACT 247 - Advanced Accounting Applications  
  on the Microcomputer .................................................... | 3     |                |
| • ACT 249 - Payroll Accounting .......................................... | 3     |                |
| • ACT 253 - Individual Income Tax ....................................... | 3     |                |
| • ACT 256 - Cost Accounting ................................................ | 3     |                |
| • BUS 100 - Introduction to Business ................................... | 3     |                |
| • BUS 146 - Personal Finance ............................................... | 3     |                |
| • BUS 241 - Principles of Accounting I .................................. | 3     |                |
| • BUS 242 - Principles of Accounting II ................................ | 3     |                |
| • BUS 263 - The Legal and Social Environment of Business .......... | 3     |                |
| • BUS 276 - Human Resource Management .................................. | 3     |                |
| • CIS 147 - Advanced Micro Applications ............................... | 3     |                |
| • OAD 130 - Electronic Calculations ................................... | 3     |                |
| • OAD 138 - Records and Information Management ........................ | 3     |                |
| **Total Hours Required for Degree:** | 68    |                |
## Accounting Specialist (Computerized) Short-Term Certificate

**Advisors – Ayers Campus:** Alison Hollingsworth (256.835.5415) ahollingsworth@gadsdenstate.edu

**Wallace Drive Campus:** Jamie Payton (256.549.8347) jpayton@gadsdenstate.edu

### Student Progress

<table>
<thead>
<tr>
<th>Area V—Professional, Major and Elective Courses:</th>
<th>Grade</th>
<th>Term Completed</th>
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<tbody>
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<td><strong>Total Hours Required for Certificate:</strong></td>
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- ORI 101 - Orientation to College .................. 1
- ACT 246 - Microcomputer Accounting .................. 3
- ACT 247 - Advanced Accounting Applications on the Microcomputer .................. 3
- ACT 249 - Payroll Accounting .................. 3
- ACT 253 - Individual Income Tax .................. 3
- BUS 241 - Principles of Accounting I .................. 3
- CIS 146 - Microcomputer Applications .................. 3
- CIS 147 - Advanced Micro Applications .................. 3
- OAD 130 - Electronic Calculations .................. 3

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Agribusiness Education Transfer Guide

Advisors – Ayers Campus: Nancy Lee (256.835.5497) nlee@gadsdenstate.edu;
Gadsden State Cherokee: Frances Vann (256.927.1823) fvann@gadsdenstate.edu;
Susan King (256.439.6874) sking@gadsdenstate.edu;
McClellan Center: James Skillman (256.238.9371) jskillman@gadsdenstate.edu;
Wallace Drive Campus: Nancy Gilbert (256.549.8433) ngilbert@gadsdenstate.edu;
Julie Bowen (256.549.8426) jbowen@gadsdenstate.edu; Susan King (256.439-6874)

STUDENT PROGRESS

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<thead>
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Area I – Written Composition: ................................................................. 6
- ENG 101 - English Composition I .......................................................... 3
- ENG 102 - English Composition II ......................................................... 3

Area II – Humanities and Fine Arts1: ......................................................... 12
- Literature (REQUIRED: Literature OR History sequence).......................... 3
- Fine Arts ................................................................................................. 3
- Speech ...................................................................................................... 3
- Humanities, Fine Arts, Literature OR Speech ........................................... 3

Area III – Natural Sciences and Mathematics: ........................................... 11-12
- MTH 112 - Precalculus Algebra ............................................................... 3
- Natural Science and Lab ........................................................................... 8

Area IV – History, Social and Behavioral Sciences1: ..................................... 12
- History (REQUIRED: Literature OR History sequence)............................. 3
- History, Social, or Behavioral Science ..................................................... 3
- Social and Behavioral Sciences ................................................................. 6

Area V – Pre-Professional, Pre-Major and Electives1: ..................................... 23
- ORI 101 - Orientation to College ............................................................... 1
- CIS 146 - Microcomputer Applications ...................................................... 3
- MTH 113 - Precalculus Trigonometry ......................................................... 3
- MTH 125 - Calculus I ................................................................................. 4
- BUS 241 - Principles of Accounting I ....................................................... 3
- BUS 242 - Principles of Accounting II ...................................................... 3
- ECO 231 - Principles of Macroeconomics ................................................ 3
- ECO 232 - Principles of Microeconomics ................................................ 3

Total Hours Required for Degree: ................................................................. 60-64

NOTICE(s): *Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at http://stars.troy.edu/ and the degree requirements of the intended transfer institution.
Agriculture Transfer Guide

**Advisors**
- **Ayers Campus**: Nancy Lee (256.835.5497) nlee@gadsdenstate.edu; Susan King (256.439.6874) sking@gadsdenstate.edu.
- **Gadsden State Cherokee**: Frances Vann (256.927.1823) fvann@gadsdenstate.edu; Susan King (256.439.6874) sking@gadsdenstate.edu.
- **McClellan Center**: James Skillman (256.238.9371) jskillman@gadsdenstate.edu.
- **Wallace Drive Campus**: Nancy Gilbert (256.549.8433) ngilbert@gadsdenstate.edu; Julie Bowen (256.549.8426) jbowen@gadsdenstate.edu; Susan King (256.439.6874) sking@gadsdenstate.edu.

### STUDENT PROGRESS

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<tr>
<td>MTH 112 - Precalculus Algebra</td>
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<td>Natural Science and Lab</td>
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<td>CHM 111 - College Chemistry I</td>
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<td>MTH 113 - Precalculus Trigonometry</td>
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<tr>
<td>PHY 201 - General Physics I Trig Based</td>
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<td>PHY 202 - General Physics II Trig Based</td>
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<tr>
<td>CIS 146 - Microcomputer Applications</td>
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**Total Hours Required for Degree**: 60-64

**NOTICE(s)**: 1) Students should consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu](http://stars.troy.edu) and the degree requirements of the intended transfer institution.
Air Conditioning and Refrigeration A.A.S.

Advisors – Ayers Campus: Joseph Hulsey, Air Conditioning Refrigeration Building (256.835.5418) ihulsey@gadsdenstate.edu

Valley Street Campus: Tim Hardy, Air Conditioning Refrigeration Building (256.549.8662) thardy@gadsdenstate.edu

Area I — Written Composition: ................................................................. 3
  • ENG 101 - English Composition I ................................................. 3

Area II — Humanities and Fine Arts: ................................................... 6
  • SPH 106 - Fundamentals of Oral Communication OR
  SPH 107 - Fundamentals of Public Speaking OR
  SPH 116 - Introduction to Interpersonal Communication........... 3
  • Humanities and Fine Arts Elective: ............................................ 3
    Art, Art History, Foreign Language,
    Humanities, Music, Philosophy, Religion, Speech,
    Theater, or Dance

Area III — Natural Science or Mathematics: .................................... 9
  • MTH 100 - Intermediate College Algebra OR
    numerically higher........................................................................ 3
  • CIS 146 - Microcomputer Applications.................................... 3
  • MDT 105 - Introduction to Computer-Aided Design (CAD) OR
    DDT 104 –Basic Computer-Aided Drafting and Design, OR
    Computer Science or Natural Science Elective ......................... 3

Area IV — History, Social and Behavioral Sciences: ......................... 4
  • Economics, Geography, History,
    Political Science, Psychology, or Sociology .......................... 3
  • ORI 101 - Orientation to College............................................. 1

Area V - Technical Courses: ................................................................. 24
Courses listed below are required.
  • ACR 111 - Principles of Refrigeration...................................... 3
  • ACR 112 - HVACR Service Procedures ............................... 3
  • ACR 113 - Refrigeration Piping Practices ............................ 3
  • ACR 121 - Principles of Electricity for HVACR ................. 3
  • ACR 122 - HVACR Electric Circuits ................................. 3
  • ACR 123 - HVAC/R Electrical Components ..................... 3
  • EET 100 - Introduction to Engineering Technologies ....... 3
  • INT 104 - Principles of Technology .................................... 3

Technical Specialty: ............................................................................. 30
  • ACR 119 - Fundamentals of Gas Heating Systems ........... 3
  • ACR 120 - Fundamentals of Electric Heating Systems .... 3
  • ACR 126 - Commercial Heating Systems ....................... 3
  • ACR 125 – Fundamentals of Gas and Electric Heating Systems 6
  • ACR 127 - HVACR Electric Motors ................................. 3
  • ACR 128 - Heat Load Calculations ................................. 3
  • ACR 130 - Computer Assisted HVAC Troubleshooting .... 1
  • ACR 132 - Residential Air Conditioning ......................... 3
  • ACR 133 - Domestic Refrigeration ................................... 3
  • ACR 134 - Ice Machines .................................................... 3
  • ACR 135 - Mechanical/Gas/Safety Codes ....................... 3

STUDENT PROGRESS

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Click on any link to be taken to that entry
### STUDENT PROGRESS

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<td>ACR 144</td>
<td>Basic Drawing and Blueprint Reading in HVAC</td>
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<td>ACR 147</td>
<td>Refrigerant Transition and Recovery Theory</td>
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<td>ACR 148</td>
<td>Heat Pump Systems I</td>
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<td>ACR 149</td>
<td>Heat Pump Systems II</td>
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<td>ACR 152</td>
<td>Heat Pump Systems</td>
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<td>ACR 181</td>
<td>Special Topics in ACR I</td>
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<td>ACR 182</td>
<td>Special Topics in ACR II</td>
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<td>ACR 183</td>
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<td>ACR 192</td>
<td>HVAC Apprenticeship/Internship</td>
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<td>ACR 200</td>
<td>Review for Contractors Exam</td>
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<td>ACR 202</td>
<td>Special Refrigeration Systems</td>
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<td>ACR 203</td>
<td>Commercial Refrigeration</td>
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<td>ACR 205</td>
<td>System Sizing and Air Distribution</td>
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<td>ACR 209</td>
<td>Commercial Air Conditioning Systems</td>
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<td>ACR 210</td>
<td>Troubleshooting HVACR Systems</td>
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<td>EET 103</td>
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**Total Hours Required for Degree:** .................................................. 76

**NOTICE(s):** For the A.A.S. Degree in Air Conditioning and Refrigeration, the student must complete a minimum of 76 credit hours – a minimum of 54 in technical courses and a minimum of 22 in general education courses – all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student’s major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED.
## Air Conditioning and Refrigeration Certificate

### Advisors – Ayers Campus:
Joseph Hulsey, Air Conditioning Refrigeration Building (256.835.5418)  
jhulsey@gadsdenstate.edu;  
Valley Street Campus: Tim Hardy, Air Conditioning Refrigeration Building (256.549.8662)  
thardy@gadsdenstate.edu

### STUDENT PROGRESS

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<th>Term Completed</th>
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<td><strong>Area I — Written Composition:</strong></td>
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<td>SPH 107 - Fundamentals of Public Speaking OR</td>
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<td>SPH 116 - Introduction to Interpersonal Communication</td>
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<td>ACR 112 - HVACR Service Procedures</td>
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<td>ACR 113 - Refrigeration Piping Practices</td>
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<td>ACR 123 - HVAC/R Electrical Components</td>
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<td>ACR 132 - Residential Air Conditioning</td>
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<td>ACR 146 - Heat Pump Systems I</td>
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<tr>
<td>ACR 210 - Troubleshooting HVACR Systems</td>
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**Total Hours Required for Certificate:** 46

### NOTICE(s):
For the certificate in Air Conditioning and Refrigeration, the student must complete all courses listed above—all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Admission Requirement: High school diploma or GED.
# Air Conditioning & Refrigeration Short-Term Certificate

**Advisors** – **Ayers Campus**: Joseph Hulsey, Air Conditioning Refrigeration Building (256.835.5418)  
[shulsey@gadsdenstate.edu](mailto:shulsey@gadsdenstate.edu)  
**Valley Street Campus**: Tim Hardy, Air Conditioning Refrigeration Building (256.549.8662) [thardy@gadsdenstate.edu](mailto:thardy@gadsdenstate.edu)

## Required Courses

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<td>ORI 101</td>
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**Total Hours Required for Certificate:** 28

**NOTICE(s):** For the short-term certificate in Air Conditioning and Refrigeration, the student must complete all courses listed above - all of which must be approved by the advisor. Admission Requirement: High school diploma or GED.
Aquaculture Technician Short-Term Certificate

Advisor – Wallace Drive Campus: Hugh Hammer (256.549.8345) hammer@gadsdenstate.edu

This is a one-year program designed to prepare students to operate and manage a fish farm. The curriculum consists of both lecture and laboratory instruction in scientific information and intensive management practices.

### STUDENT PROGRESS

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<th>Grade</th>
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<td>ENG 101 - English Composition I</td>
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<tr>
<td>FHS 101 - Principles of Aquaculture</td>
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<td>FHS 102 - Water Chemistry for Aquaculture</td>
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<td>FHS 112 - Biology and Diseases of Aquaculture Species</td>
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<tr>
<td>FHS 114 - Aquaculture Hatchery / Pond Management</td>
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<td>FHS 140 - Aquaculture Practicum (Part 1)</td>
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<td>FHS 141 - Aquaculture Practicum II (Part 2)</td>
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<td>MTH 100 - Intermediate College Algebra</td>
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Total Hours Required for Certificate: ........................................... 27
Aquatic Biology Transfer Guide

Advisor – Wallace Drive Campus: Hugh Hammer (256.549.8345) hammerr@gadsdenstate.edu

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<td>BIO 103 - Principles of Biology I</td>
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<td>BIO 104 - Principles of Biology II</td>
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<tr>
<th>Area IV – History, Social and Behavioral Sciences¹:</th>
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<td>History (REQUIRED: Literature OR History sequence)</td>
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<td>History, Social, or Behavioral Science</td>
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<tr>
<th>Area V – Pre-Professional, Pre-Major and Electives¹:</th>
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<tbody>
<tr>
<td>ORI 101 - Orientation to College</td>
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<tr>
<td>CIS 146 - Microcomputer Applications</td>
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<tr>
<td>FHS 101 - Principles of Aquaculture</td>
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<td>FHS 102 - Water Chemistry for Aquaculture</td>
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<tr>
<td>FHS 112 - Biology and Diseases of Aquaculture Species</td>
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<td>FHS 114 - Aquaculture Hatchery / Pond Management</td>
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<td>FHS 140 - Aquaculture Practicum</td>
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Recommended (See advisor for specific courses and transfers)

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<tr>
<td>CHM 104 - Introduction to College Chemistry</td>
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<tr>
<td>CHM 111 - College Chemistry I</td>
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<tr>
<td>CHM 112 - College Chemistry II</td>
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<tr>
<td>FHS 141 - Aquaculture Practicum II (Internship)</td>
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<td>MTH 113 - Precalculus Trigonometry</td>
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<tr>
<td>MTH 125 - Calculus I</td>
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Total Hours Required for Degree: 60-64

NOTICE(s): ¹Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu](http://stars.troy.edu) and the degree requirements of the intended transfer institution.
Art Transfer Guide

Advisors – Ayers Campus: Robert Hendrickson (256.835.5459) rhendrickson@gadsdenstate.edu;
McClellan Center: Robert Hendrickson (256.835.5459) rhendrickson@gadsdenstate.edu;
Wallace Drive Campus: Dennis Sears (256.549.8381) dsears@gadsdenstate.edu;
Mario Gallardo (256.549.8395) mgallardo@gadsdenstate.edu

STUDENT PROGRESS

<table>
<thead>
<tr>
<th>Area</th>
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<td>Area I – Written Composition:</td>
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<td>Speech</td>
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<td>ART 113 - Drawing I</td>
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<tr>
<td>Area III – Natural Sciences and Mathematics:</td>
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<tr>
<td>MTH 110 - Finite Mathematics OR MTH 112 - Precalculus Algebra OR Higher level Math</td>
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<td>Natural Science and Lab.</td>
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<td>Area V – Pre-Professional, Pre-Major and Electives:</td>
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<td>ORI 101 - Orientation to College</td>
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<td>CIS 146 - Microcomputer Applications OR Higher CIS elective</td>
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<td>Total Hours Required for Degree:</td>
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NOTICE(s): *Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu/](http://stars.troy.edu/) and the degree requirements of the intended transfer institution.
## Auto Collision Repair Technology Certificate

**Advisors** – **Ayers Campus**: Bruce Hill, Auto Collision Repair Building (256.835.5425) bhill@gadsdenstate.edu;  
**East Broad Campus**: Joe Mashburn, Auto Collision Repair Building (256.549.8617) jnmashburn@gadsdenstate.edu

### Area I—Written Composition: .............................. 3
- COM 100 - Vocational/Technical English OR  
  ENG 101 - English Composition I ......................... 3

### Area II—Humanities and Fine Arts: ............................ 3
- SPC 103 - Oral Communication Skills OR  
  SPH 106 - Fundamentals of Oral Communication OR  
  SPH 107 - Fundamentals of Public Speaking OR  
  SPH 116 - Introduction to Interpersonal Communication .......... 3

### Area III—Natural Science or Mathematics: ........................ 6
- MAH 101 - Introductory Mathematics I OR  
  MTH 100 - Intermediate College Algebra OR  
  numerically higher ........................................ 3
- DPT 100 - Introductory Computer Skills I OR  
  CIS 146 - Microcomputer Applications ....................... 3

### Area IV—History, Social and Behavioral Sciences: ............... 1
- ORT 100 - Orientation for Career Students .................. 1

### Area V—Technical Courses: ...................................... 47
- ABR 111 - Non-Structural Repair ......................... 3
- ABR 114 - Non-Structural Panel Replacement ............. 3
- ABR 122 - Surface Preparation ................................ 3
- ABR 123 - Paint Application and Equipment ............... 3
- * ABR 151 - Safety and Environmental Practices ........... 3
- ABR 154 - Automotive Glass and Trim ..................... 3
- ABR 156 - Automotive Cutting and Welding ................. 3
- ABR 157 - Automotive Plastic Repairs .................... 3
- ABR 181 - Special Topics in Auto Body ................... 3
- ABR 182 - Special Topics in Auto Body OR ................ 3
- ABR 183 - Special Topics in Auto Body ................... 2
- ABR 213 - Automotive Structural Analysis ................. 3
- ABR 214 - Automotive Structural Repair .................. 3
- ABR 223 - Automotive Mechanical Components ............. 3
- ABR 224 - Automotive Electrical Components ............. 3
- ABR 255 - Steering and Suspension ......................... 3
- ABR 258 - Heating and AC in Collision Repair ............ 3
- ABR 261 - Restraint Systems ................................ 3
- ABR 265 - Paint Defects and Final Repair ................ 3
- ABR 267 - Shop Management ................................ 3
- ABR 269 - Estimating and Damage Analysis ................ 3
- ABR 281 - Special Topics in Auto Body ................... 3
- ABR 291 - Auto Body Repair Co-Op OR  
  ABR 292 - Auto Body Repair Co-Op OR  
  ABR 293 – Auto Body Repair Co-Op .......................... 3

*Required Courses

Total Hours Required for Certificate: .................................. 60

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</tbody>
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Click on any link to be taken to that entry
NOTICE(s): For the certificate in Auto Collision Repair Technology, the student must complete a minimum of 60 credit hours – 47 in technical courses and 13 in general education courses – all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirement: The student must be age 17 or older.

**Auto Collision Repair Technology Short-Term Certificate**

Advisors – Ayers Campus: Bruce Hill, Auto Collision Repair Building (256.835.5425) bhill@gadsdenstate.edu
East Broad Campus: Joe Mashburn, Auto Collision Repair Building (256.549.8617) jmarshburn@gadsdenstate.edu

<table>
<thead>
<tr>
<th>Required Technical Courses</th>
<th>Grade</th>
<th>Term Completed</th>
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<tbody>
<tr>
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<td>ABR 114 - Non-Structural Panel Replacement</td>
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<td>ABR 122 - Surface Preparation</td>
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<tr>
<td>ABR 123 - Paint Application and Equipment</td>
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<td></td>
</tr>
<tr>
<td>ABR 151 - Safety and Environmental Practices</td>
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<td>ABR 154 - Automotive Glass and Trim</td>
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<td>ABR 157 – Automotive Plastic Repairs</td>
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<td>ABR 265 - Paint Defects and Final Repair</td>
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<tr>
<td>ORT 100 - Orientation for Career Students</td>
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Total Hours Required for Certificate: ....................................................... 25

NOTICE(s): For the short-term certificate in Auto Collision Repair Technology, the student must complete all of the 25 credit hours listed above. All courses must be approved by the advisor. Admission Requirement: The student must be age 17 or older.
Automotive Manufacturing Technology A.A.S.

Advisors – Ayers Campus: Tim Barksdale, Electronics Building (256.835.5427) tbarksdale@gadsdenstate.edu; Audrey Webb, Electronics Building (256.835.5460) awebb@gadsdenstate.edu
East Broad Campus: Jack Mayfield, Industrial Automation Building (256.549.8637) jmayfield@gadsdenstate.edu

STUDENT PROGRESS

Area I — Written Composition: ......................................................... 3
- ENG 101 - English Composition I .............................................. 3

Area II — Humanities and Fine Arts: ......................................... 6
- SPH 106 - Fundamentals of Oral Communication OR
  SPH 107 - Fundamentals of Public Speaking OR
  SPH 116 - Introduction to Interpersonal Communication .......... 3
- Humanities and Fine Arts Elective
  Art, Art History, Foreign Language,
  Humanities, Music, Philosophy, Religion, Speech, Theater, or
  Dance ......................................................................................... 3

Area III — Natural Science or Mathematics: .............................. 9
- MTH 100 - Intermediate College Algebra OR
  numerically higher .................................................................. 3
- CIS 146 - Microcomputer Applications ..................................... 3
- MDT 105 – Introduction to Computer-Aided Design (CAD) OR
  DDT 104 – Basic Computer Aided Drafting and Design OR
  Mathematics, Computer Science, or Natural Science
  Elective ..................................................................................... 3

Area IV — History, Social and Behavioral Sciences: ............... 4
- Economics, Geography, History,
  Political Science, Psychology, or Sociology .......................... 3
- ORI 101 - Orientation to College ............................................. 1

Area V - Technical Courses: ....................................................... 24
Courses listed below are required:
- AUT 100 - Introduction to Automotive Concepts .................. 3
- AUT 102 - Lean Manufacturing and Industrial Safety .......... 3
- AUT 104 - Blueprint Reading for Manufacturing .................. 3
- AUT 110 - DC Fundamentals .................................................... 3
- AUT 114 - Introduction to Programmable Logic Controllers .... 3
- AUT 118 - Introduction to Engineering Technology ............ 3
- AUT 132 - Principles of Technology ....................................... 3
- AUT 139 – Introduction to Robotic Programming ............... 3

Technical Electives: .................................................................... 30
- AUT 106 - Quality Control and Inspection Techniques .......... 3
- * AUT 111 - AC Fundamentals ................................................. 3
- AUT 116 – Introduction to Robotics ....................................... 3
- AUT 117 - AC/DC Machines .................................................... 3
- AUT 121 - Elements of Industrial Control ............................. 3
- AUT 122 - Elements of Industrial Control Lab ................. 2
- AUT 130 - Fundamentals of Industrial Hydraulics and
  Pneumatics ........................................................................... 3
- AUT 134 - Industrial Motors .................................................... 3
- AUT 136 - Principles of Refrigeration ................................... 3
- AUT 138 - Principles of Industrial Mechanics ..................... 3
**STUDENT PROGRESS**

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<th>Course</th>
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<tr>
<td>AUT 142 - Industrial Wiring</td>
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<tr>
<td>AUT 150 - Introduction to Machine Shop I</td>
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<tr>
<td>AUT 151 - Introduction to Machine Shop I Lab</td>
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<tr>
<td>AUT 155 - Metrology</td>
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<tr>
<td>AUT 186 - Principles of Industrial Maintenance Welding and Metal Cutting Techniques</td>
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<td>AUT 193 - Special Topics (Electrical/Electronic)</td>
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<td>AUT 194 - Special Topics (Electrical/Electronic)</td>
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<td>AUT 195 - Special Topics (Electrical/Electronic)</td>
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<td>AUT 221 - Advanced Programmable Logic Controllers</td>
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<tr>
<td>AUT 222 - Advanced Instrumentation</td>
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<td>AUT 223 - Advanced Instrumentation Lab</td>
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<tr>
<td>AUT 230 - Preventive and Predictive Maintenance</td>
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<td>AUT 234 - Industrial Motor Controls I</td>
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<td>AUT 236 - Variable Speed Motor Drives</td>
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<td>AUT 262 - Computer Integrated Manufacturing</td>
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<td>AUT 291 - Automotive Cooperative Education</td>
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<td>AUT 293 - Automotive Cooperative Education</td>
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*Required Courses*

**Total Hours Required for Degree:**................................................................. 76

**NOTICE(s):** For the A.A.S. Degree in Automotive Manufacturing Technology, the student must complete a minimum of 76 credit hours—a minimum of 22 general education hours, 24 general technical core hours, and 30 hours of technical electives—all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student’s major advisor. Technical courses may vary to meet the student needs and to provide options. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.
Automotive Manufacturing Technology Certificate

Advisors – Ayers Campus: Audrey Webb, Electronics Building (256-835-5460) awebb@gadsdenstate.edu;
Tim Barksdale, Electronics Building (256.835-5427) tbarksdale@gadsdenstate.edu
East Broad Campus: Jack Mayfield, Industrial Automation Building (256.549.8637) jmayfield@gadsdenstate.edu

STUDENT PROGRESS

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<th>Grade</th>
<th>Term Completed</th>
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Area I — Written Composition: ................................................................. 3
  - ENG 101 - English Composition I ................................................. 3

Area II — Humanities and Fine Arts: ......................................................... 3
  - SPH 106 - Fundamentals of Oral Communication OR
    SPH 107 - Fundamentals of Public Speaking OR
    SPH 116 - Introduction to Interpersonal Communication.......... 3

Area III — Natural Science or Mathematics: ............................................ 6
  - MTH 100 - Intermediate College Algebra OR
    numerically higher................................................................. 3
  - CIS 146 - Microcomputer Applications...................................... 3

Area IV — History, Social and Behavioral Sciences: ......................... 1
  - ORI 101 - Orientation to College............................................. 3

Area V – Technical Courses: ................................................................. 30
  - * AUT 100 - Introduction to Automotive Concepts .................... 3
  - * AUT 102 - Lean Manufacturing and Industrial Safety ........... 3
  - * AUT 104 - Blueprint Reading for Manufacturing .................. 3
  - * AUT 110 - DC Fundamentals.................................................. 3
  - * AUT 111 - AC Fundamentals ................................................ 3
  - * AUT 114 - Introduction to Programmable Logic Controllers .. 3
  - AUT 118 - Introduction to Engineering Technology ............. 3
  - AUT 130 - Fundamentals of Industrial Hydraulics and
    Pneumatics................................................................. 3
  - AUT 138 - Principles of Industrial Mechanics ....................... 3
  - * AUT 139 – Introduction to Robotic Programming ............. 3
  - * AUT 150 - Introduction to Machine Shop I ....................... 3
  - AUT 155 - Metrology.......................................................... 3
  - AUT 234 - Industrial Motor Controls I................................. 3

*Required Courses

Total Hours Required for Degree: .......................................................... 43

NOTICE(s): For the certificate in Automotive Manufacturing Technology, the student must complete at least 43 credit hours—at least 30 in technical courses and at least 13 in general education courses—all of which must be approved by the advisor. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED.
Automotive Manufacturing Technology Short-Term Certificate

Advisors – Ayers Campus: Tim Barksdale, Electronics Building (256.835.5427) tbarksdale@gadsdenstate.edu; Audrey Webb, Electronics Building (256-835-5460) awebb@gadsdenstate.edu
East Broad Campus: Jack Mayfield, Industrial Automation Building (256.549.8637) jmayfield@gadsdenstate.edu

Required Courses:
- AUT 100 - Introduction to Automotive Concepts .......................... 3
- AUT 102 - Lean Manufacturing and Industrial Safety .................. 3
- AUT 104 - Blueprint Reading for Manufacturing ...................... 3
- AUT 110 - DC Fundamentals ............................................. 3
- AUT 111 - AC Fundamentals ............................................. 3
- AUT 114 - Introduction to Programmable Logic Controllers ...... 3
- AUT 121 - Elements of Industrial Control ............................ 3
- AUT 122 - Elements of Industrial Control Lab ...................... 2
- AUT 130 - Fundamentals of Industrial Hydraulics and Pneumatics .......................................................... 3
- AUT 138 - Principles of Industrial Mechanics .......................... 3
- AUT 139 - Introduction to Robotic Programming ..................... 3
- AUT 150 - Introduction to Machine Shop ............................. 3
- AUT 234 - Industrial Motor Controls I ................................ 3
- ORI 101 - Orientation to College ....................................... 1

Total Hours Required for Degree ........................................... 28

NOTICE(s): For the short-term certificate in Automotive Manufacturing Technology, the student must complete 28 credit hours from the courses listed above. All courses must be approved by the advisor. Admission Requirement: High school diploma or GED.
Automotive Service Technology Certificate

Advisor – East Broad Campus: Harold Waddell, Automotive Services Technology Building (256.549.8622)
hwaddell@gadsdenstate.edu

STUDENT PROGRESS

<table>
<thead>
<tr>
<th>Grade</th>
<th>Term Completed</th>
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</table>

Area I—Written Composition: .........................................................3
- COM 100 - Vocational / Technical English OR
- ENG 101 - English Composition I .............................................3

Area II—Humanities and Fine Arts: .....................................................3
- SPC 103 - Oral Communication Skills OR
- SPH 106 - Fundamentals of Oral Communication OR
- SPH 107 - Fundamentals of Public Speaking OR
- SPH 116 - Introduction to Interpersonal Communication ..........3

Area III—Natural Science or Mathematics: .........................................6
- MAH 101 - Introductory Mathematics I OR
- MTH 100 - Intermediate College Algebra OR numerically higher ..........................................................3
- DPT 100 - Introductory Computer Skills I OR
- CIS 146 - Microcomputer Applications .....................................3

Area IV—History, Social and Behavioral Sciences: ...............................1
- ORT 100 - Orientation for Career Students ..........................1

Area V—Technical Courses: ..............................................................47
- * AUM 101 - Fundamentals of Automotive Technology ..........3
- * AUM 112 - Electrical Fundamentals ..................................3
- * AUM 121 - Braking Systems ............................................3
- * AUM 122 - Steering and Suspension ................................3
- * AUM 124 - Automotive Engines ......................................3
- * AUM 130 - Drive Train and Axles ...................................3
- AUM 133 - Motor Vehicle Air Conditioning .........................3
- * AUM 162 - Electrical and Electronic Systems .................3
- AUM 181 - Special Topics ..................................................1
- AUM 182 - Special Topics ..................................................2
- AUM 183 - Special Topics ..................................................2
- AUM 212 - Advanced Electrical and Electronic Systems ......3
- AUM 220 - Advanced Automotive Engines .........................3
- AUM 224 - Engine Performance and Diagnostics ...............3
- * AUM 230 - Auto Transmission and Transaxle .................3
- * AUM 239 - Engine Performance ......................................3
- * AUM 244 - Engine Performance II ..................................3
- AUM 246 - Automotive Emissions ....................................3
- AUM 281 - Special Topics .................................................3

*Required Courses

Total Hours Required for Certificate: .............................................60

NOTICE(s): For the certificate in Automotive Service Technology, the student must complete a minimum of 60 credit hours – 47 in technical courses and 13 in general education courses – all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirement: Student must be age 17 or older.

This program is offered at the East Broad Campus only.
Automotive Service Technology Short-Term Certificate

Advisor – East Broad Campus: Harold Waddell, Automotive Services Technology Building (256.549.8622)
hwaddell@gadsdenstate.edu

STUDENT PROGRESS

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
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<tr>
<td>AUM 101 - Fundamentals of Automotive Technology</td>
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<tr>
<td>AUM 112 - Electrical Fundamentals</td>
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<td>AUM 121 - Braking Systems</td>
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<td>AUM 122 - Steering and Suspension</td>
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<td>AUM 124 - Automotive Engines</td>
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<td>AUM 130 - Drive Train and Axles</td>
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<td>AUM 182 - Special Topics</td>
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<td>AUM 220 – Advanced Automotive Engines</td>
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<tr>
<td>ORT 100 - Orientation for Career Students</td>
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Total Hours Required for Certificate: ...................................................... 24

NOTICE(s): For the short-term certificate in Automotive Service Technology, the student must complete 24 credit hours. All courses must be approved by the advisor. Admission Requirement: The student must be age 17 or older. This program is offered at the East Broad Campus only.
### Biology Transfer Guide

**Advisors - Ayers Campus:** Nancy Lee, (256.835.5497) nlee@gadsdenstate.edu;  
Gadsden State Cherokee: Frances Vann, (256.927.1823) fynn@gadsdenstate.edu;  
Susan King, (256.439.6874) sking@gadsdenstate.edu;  
McClellan Center: Kaci Rodgers, (256.238.9355) krogers@gadsdenstate.edu;  
Wallace Drive Campus: Nancy Gilbert, (256.549.8433) ngilbert@gadsdenstate.edu;  
Julie Bowen, (256.549.8426) jbowen@gadsdenstate.edu;  
Susan King, (256.439.6874) sking@gadsdenstate.edu

#### STUDENT PROGRESS

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<tr>
<th>Grade</th>
<th>Term Completed</th>
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<table>
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<th>Area I – Written Composition:</th>
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<tr>
<td>ENG 101 - English Composition I</td>
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<td>ENG 102 - English Composition II</td>
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<th>Area II – Humanities and Fine Arts:</th>
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<td>Literature (REQUIRED: Literature OR History sequence)</td>
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<tr>
<td>Fine Arts</td>
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<td>Speech</td>
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<th>Area III – Natural Sciences and Mathematics:</th>
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<td>MTH 112 - Precalculus Algebra</td>
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<td>Natural Science and Lab</td>
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<th>Area IV – History, Social and Behavioral Sciences:</th>
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<th>Area V – Pre-Professional, Pre-Major and Electives:</th>
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<tr>
<td>ORI 101 - Orientation to College</td>
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<tr>
<td>MTH 113 - Precalculus Trigonometry</td>
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<td>CHM 111 - College Chemistry I</td>
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<td>CHM 112 - College Chemistry II</td>
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<td>CHM 221 - Organic Chemistry I</td>
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<td>CHM 222 - Organic Chemistry II</td>
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<tr>
<td>CIS 146 - Microcomputer Applications</td>
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</table>

Total Hours Required for Degree: 60-64

**NOTICE(s)**  
1. Students should consult with an advisor and refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu](http://stars.troy.edu) and the degree requirements of the intended transfer institution.
## Business Administration Transfer Guide

**Advisors - Ayers Campus:** Alison Hollingsworth (256.835/5415) ahollingsworth@gadsdenstate.edu  
Brent Wright (256.835.5475) bwright@gadsdenstate.edu;  
**McClellan Center:** Brent Wright (256.238.9359) bwright@gadsdenstate.edu;  
**Wallace Drive Campus:** Jamie Payton (256.549.8347) jpayton@gadsdenstate.edu; James Yohe (256.439.6859) jyohe@gadsdenstate.edu

### STUDENT PROGRESS

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<th>Area I – Written Composition:</th>
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<td>Natural Science and Lab.</td>
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<th>Area IV - History, Social and Behavioral Sciences1:</th>
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<td>ECO 231 - Principles of Macroeconomics</td>
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<td>ECO 232 - Principles of Microeconomics</td>
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<th>Area V – Pre-Professional, Pre-Major and Electives1:</th>
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<td>ORI 101 - Orientation to College</td>
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<td>CIS 146 - Microcomputer Applications</td>
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<tr>
<td>BUS 241 - Principles of Accounting I</td>
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<td>BUS 242 - Principles of Accounting II</td>
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<tr>
<td>BUS 263 - The Legal and Social Environment of Business</td>
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<td>BUS 271 - Business Statistics I</td>
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<td>BUS 272 - Business Statistics II</td>
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<td>ELECTIVE: (Consult Business faculty advisor)</td>
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Total Hours Required for Degree: 60-64

**NOTICE(s)**  
1 Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu/](http://stars.troy.edu/) and the degree requirements of the intended transfer institution.
Carpentry - Advanced Carpentry Short-Term Certificate

Advisor – Valley Street Campus: Heath McDaniel, Carpentry Building (256.549.8675)
hmcdaniel@gadsdenstate.edu

STUDENT PROGRESS

<table>
<thead>
<tr>
<th>Required Technical Courses:</th>
<th>Grade</th>
<th>Term Completed</th>
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<tbody>
<tr>
<td>• CAR 121 - Introduction to Blueprint Reading .................. 3</td>
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<td>• CAR 132 - Interior and Exterior Finishing .......................... 3</td>
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<tr>
<td>• CAR 203 – Special Projects in Carpentry .............................. 2</td>
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<tr>
<td>OR</td>
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<td>• CAR 205 - Special Projects in Carpentry .............................. 3</td>
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<td>• CAR 224 - Floor, Wall, and Ceiling Specialties ....................... 3</td>
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<tr>
<td>• CAR 226 - Metal Framing ............................................. 3</td>
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<td>• CAR 228 - Stairs, Molding, and Trim .................................. 3</td>
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<tr>
<td>• CAR 230 - Residential Repair and Remodeling ............................ 3</td>
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<td>• CAR 232 - Construction Project Management ................................ 3</td>
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<tr>
<td>• ORT 100 - Orientation for Career Students ............................... 1</td>
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Total Hours Required for Certificate: ........................................... 25

NOTICE(s): For the short-term certificate in Advanced Carpentry, the student must complete 25 credit hours. All courses must be approved by the advisor. Admission Requirement: The student must be age 17 or older.
This program is offered at the Valley Street Campus only.

Carpentry - Basic Carpentry Short-Term Certificate

Advisor – Valley Street Campus: Heath McDaniel, Carpentry Building (256.549.8675)
hmcdaniel@gadsdenstate.edu

STUDENT PROGRESS

<table>
<thead>
<tr>
<th>Required Courses:</th>
<th>Grade</th>
<th>Term Completed</th>
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<tbody>
<tr>
<td>• CAR 111 - Construction Basics .................................. 3</td>
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<tr>
<td>• CAR 112 - Floors, Walls, and Site Prep .......................... 3</td>
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<tr>
<td>• CAR 113 - Floors, Walls, and Site Prep Lab ............................. 3</td>
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<td></td>
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<tr>
<td>• CAR 114 - Construction Basics Lab .................................. 3</td>
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<tr>
<td>• CAR 122 - Concrete and Forming .................................. 3</td>
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<tr>
<td>• CAR 123 - Concrete and Forming Lab .................................. 3</td>
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<td></td>
</tr>
<tr>
<td>• CAR 131 - Roof and Ceiling Systems .................................... 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>• CAR 133 - Roofing and Ceiling Systems Lab ............................ 3</td>
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<tr>
<td>• ORT 100 - Orientation for Career Students ............................... 1</td>
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Total Hours Required for Certificate: ........................................... 25

NOTICE(s): For the short-term certificate in Basic Carpentry, the student must complete 25 credit hours. All courses must be approved by the advisor. Admission Requirement: The student must be age 17 or older.
This program is offered at the Valley Street Campus only.
Chemistry Transfer Guide

Advisors - Ayers Campus: Nancy Lee (256.835.5497) nlee@gadsdenstate.edu; Frances Vann (256.927.1823) fvann@gadsdenstate.edu; Kaci Rodgers, (256.238.9355) krodgers@gadsdenstate.edu; Rita Collier (256.549.8427) rcollier@gadsdenstate.edu; Xianglan (Shelly) Hood (256.549.8431) shood@gadsdenstate.edu

Gadsden State Cherokee: Frances Vann (256.927.1823) fvann@gadsdenstate.edu; Nancy Lee (256.835.5497) nlee@gadsdenstate.edu;
McClellan Center: Kaci Rodgers, (256.238.9355) krodgers@gadsdenstate.edu; Rita Collier (256.549.8427) rcollier@gadsdenstate.edu; Xianglan (Shelly) Hood (256.549.8431) shood@gadsdenstate.edu

Wallace Drive Campus: Rita Collier (256.549.8427) rcollier@gadsdenstate.edu; Xianglan (Shelly) Hood (256.549.8431) shood@gadsdenstate.edu

STUDENT PROGRESS

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<th>Area I – Written Composition:</th>
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<td>Speech</td>
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<tbody>
<tr>
<td>MTH 112 - Precalculus Algebra</td>
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<td>CHM 111 - College Chemistry I</td>
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<th>Area V – Pre-Professional, Pre-Major and Electives</th>
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<td>ORI 101 - Orientation to College</td>
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<td>CIS 146 - Microcomputer Applications</td>
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<tr>
<td>MTH 126 - Calculus II</td>
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<td>MTH 227 - Calculus III</td>
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<tr>
<td>PHY 213 - General Physics with Calculus I</td>
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<td>PHY 214 - General Physics with Calculus II</td>
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<td>Elective 3 hours</td>
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<tr>
<td>(Recommended: CHM 221 - Organic Chemistry I)</td>
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Total Hours Required for Degree: 60-64

NOTICE(s): 1Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu](http://stars.troy.edu) and the degree requirements of the intended transfer institution.
Child Development A.A.S.

Advisors - Wallace Drive Campus: Gwen Ford (256.549.8335) gford@gadsdenstate.edu; Derrick Grifffey (256.549.8482) dgrifffey@gadsdenstate.edu

Ayers Campus: Susan Lindblom (256.835.5429) slindblom@gadsdenstate.edu

STUDENT PROGRESS

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<th>Grade</th>
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Area I – Written Composition: .......................................................... 3
  - ENG 101 - English Composition I ............................................. 3

Area II – Humanities and Fine Arts: ................................................. 6
  - ART 100 - Art Appreciation OR
  - MUS 101 - Music Appreciation OR
  - MUS 115 - Fundamentals of Music ........................................... 3
  - Speech ....................................................................................... 3

Area III – Natural Sciences and Mathematics: ............................... 10
  - BIO 103 - Principles of Biology I OR Science elective ............ 4
  - CIS 146 - Microcomputer Applications .................................... 3
  - MTH 100 - Intermediate College Algebra OR
    MTH 116 - Mathematical Applications OR
    MTH 131 - Mathematics in General Education I ................... 3

Area IV – History, Social and Behavioral Sciences: ......................... 6
  - PSY 200 - General Psychology .................................................. 3
  - History ......................................................................................... 3

Area V – Professional, Major and Electives: ..................................... 41
  - ORI 101 - Orientation to College ............................................. 1
  - CHD 100 - Introduction to Early Care Education of Children .... 3
  - CHD 201 - Child Growth and Development Principles ............ 3
  - CHD 202 - Children's Creative Experiences ............................ 3
  - CHD 203 - Children's Literature and Language Development .. 3
  - CHD 204 - Methods and Materials for Teaching Children ........ 3
  - CHD 206 - Children's Health and Safety ................................. 3
  - CHD 208 - Administration of Child Development Programs ....... 3
  - CHD 209 - Infant and Toddler Education Programs ................. 3
  - CHD 210 - Educating Exceptional Young Children ................. 3
  - CHD 214 - Families and Communities (Recommended) OR
    SOC 200 – Introduction to Sociology ......................................... 3
  - CHD 215 - Supervised Practical Experience in
    Child Development (Instructor Approval) ................................. 3
  - CHD 217 - Math and Science for Young Children ................. 3

Choose 4 hours from the following electives:
  - CHD 205 - Program Planning for Educating Young Children .... 3
  - CHD 211 A-Z - Child Development Seminar .................. 1
  - CHD 212 - Child Development Associate Seminar ........... 2
  - CHD 219 - Supervised Practical Experience ..................... 2
  - CHD 220 - Parenting Skills .................................................. 3
  - HED 224 - Management in Family Living ......................... 3
  - PSY 210 – Human Growth and Development ..................... 3
  - SPA 101 - Introductory Spanish .......................................... 4
  - SPA 102 - Introductory Spanish II ..................................... 4

Total Hours Required for Degree: .................................................. 66
Child Development Short-Term Certificate

Advisors - Wallace Drive Campus: Gwen Ford (256.549.8335) gford@gadsdenstate.edu
Derrick Griffey (256.549.8482) dgriffey@gadsdenstate.edu
Ayers Campus – Susan Lindblom (256.835.5429) slindblom@gadsdenstate.edu

STUDENT PROGRESS

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<td>• CHD 100 - Introduction to Early Care Education of Children</td>
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<td>• CHD 201 - Child Growth and Development Principles</td>
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<td>• CHD 204 - Methods and Materials for Teaching Children</td>
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<td>• CHD 215 - Supervised Practical Experience in Child Development</td>
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<td>• CHD 202 - Children’s Creative Experiences</td>
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<td>• CHD 205 - Program Planning for Educating Young Children</td>
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<td>• CHD 208 - Administration of Child Development Programs</td>
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<tr>
<td>• CHD 209 - Infant and Toddler Education Programs</td>
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<td>• CHD 210 - Educating Exceptional Young Children</td>
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<tr>
<td>• CHD 211, A-Z - Child Development Seminar</td>
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<td>• CHD 212 - Child Development Associate Seminar</td>
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<td>• CHD 214 - Families and Communities</td>
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<tr>
<td>• CHD 217 - Math and Science for Young Children</td>
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<td>• CHD 219 - Supervised Practical Experience</td>
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<td>• CHD 220 - Parenting Skills</td>
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Total Hours Required for Certificate: ............................................. 27
Civil Engineering Technology A.A.S.

Advisor – East Broad Campus: Dave Hyatt, Bevill Center (256.549.8624) dhayatt@gadsdenstate.edu

STUDENT PROGRESS

<table>
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Area I — Written Composition: ................................................................. 3
  - ENG 101 - English Composition I ................................................. 3

Area II — Humanities and Fine Arts: ......................................................... 6
  - SPH 106 - Fundamentals of Oral Communication OR
  - SPH 107 - Fundamentals of Public Speaking .................................... 3
  - Humanities and Fine Arts Elective
    - Art, Art History, Foreign Language, Humanities, Music, Philosophy, Religion, Speech, Theater, or Dance............................................................... 3

Area III — Natural Science or Mathematics: .............................................. 9
  - MTH 100 - Intermediate College Algebra OR numerically higher.......................... 3
  - CIS 146 - Microcomputer Applications ............................................. 3
  - MDT 105 - Introduction to Computer-Aided Design (CAD) OR
    - DDT 104 – Basic Computer Aided Drafting and Design OR
    - Mathematics, Computer Science, or Natural Science Elective ......... 3

Area IV—History, Social and Behavioral Science: ........................................ 4
  - Economics, Geography, History, Political Science, Psychology, or Sociology ........... 3
  - ORI 101 - Orientation to College .................................................... 1

Area V — Technical Courses: ................................................................. 21-24
Courses listed below are required.
  - CET 100 - Engineering Blueprints ...................................................... 3
  - CET 101 - Introduction to Engineering Technology .................................. 3
  - CET 215 - Statics .............................................................................. 3
  - CET 217 - Strength of Materials ......................................................... 3
  - MDT 105 - Introduction to Computer-Aided Design (CAD) .................. 3
  - MDT 146 - AutoCAD CADD ............................................................... 3
  - MDT 147 - Inventor CADD ................................................................. 3
  - INT 104 - Principles of Technology ..................................................... 3

Technical Specialty: ................................................................. 30-33
  - CET 105 - Introduction to Microstation .............................................. 3
  - * CET 111 - Fundamentals of Surveying ............................................ 3
  - * CET 112 - Intermediate Surveying ............................................... 3
  - CET 121 - Engineering Materials ...................................................... 3
  - * CET 131 - Highway Design and Construction .................................. 3
  - CET 181 - Special Topics in Civil Engineering Technology OR
    - CET 183 - Special Topics in Civil Engineering Technology ............ 3
  - CET 213 - Topographical Surveying and Drawing ................................ 3
  - * CET 214 - Hydraulics ....................................................................... 3
  - CET 216 - Advanced Surveying ......................................................... 3
  - CET 221 - Construction Equipment .................................................... 3
  - CET 222 - Residential Land Development ........................................... 3
  - CET 223 - Site Planning and Development ........................................... 3
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<td>CET 281</td>
<td>Special Topics in Civil Engineering Technology</td>
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<td>CET 281A-H</td>
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<td>CET 284</td>
<td>Cooperative Education</td>
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<tr>
<td>MDT 122</td>
<td>Architectural Drawing</td>
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*Required Courses

Total Hours Required for Degree: 76

NOTICE(s): For the A.A.S. Degree in the Civil Engineering Technology Specialty, the student must complete a minimum of 76 credit hours—a minimum of 54 in technical courses and a minimum of 22 in general education courses—all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student’s major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor. This program is offered at the East Broad Campus only.
Civil Engineering Technology Certificate

Advisor – East Broad Campus: Dave Hyatt, Bevill Center (256.549.8624) dhyatt@gadsdenstate.edu

STUDENT PROGRESS

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Area II – Humanities and Fine Arts: 3

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Area III – Natural Science or Mathematics: 6

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<td>MTH 100 - Intermediate College Algebra OR</td>
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<td>numerically higher</td>
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Area IV – History, Social and Behavioral Sciences: 1

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Area V – Technical Courses: 30

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<td>* CET 101 - Introduction to Engineering Technology</td>
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<tr>
<td>* CET 111 - Fundamentals of Surveying</td>
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<td>* CET 112 - Intermediate Surveying</td>
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<td>* MDT 105 - Introduction to Computer-Aided Design (CAD)</td>
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<td>CET Technical Electives</td>
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*Required Courses

Total Hours Required for Certificate: 43

NOTICE(s): For the certificate in Civil Engineering Technology, Civil Engineering Technology Specialty, the student must complete at least 13 general education hours and 30 technical hours – 15 required as shown above and 15 additional elective hours from CET or MDT – all of which must be approved by the advisor. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor. This program is offered at the East Broad Campus only.
Civil Engineering Technology Short-Term Certificate

Advisor – East Broad Campus: Dave Hyatt, Bevill Center (256.549.8624) dhyatt@gadsdenstate.edu

STUDENT PROGRESS

<table>
<thead>
<tr>
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Required Courses:
- ORI 101 - Orientation to College ........................................ 1
- CET 100 - Engineering Blueprints ........................................... 3
- CET 101 - Introduction to Engineering Technology ........................ 3
- CET 111 - Fundamentals of Surveying ........................................ 3
- CET 112 - Intermediate Surveying ............................................ 3
- CET 214 - Hydraulics ................................................................. 3
- MDT 105 - Introduction to Computer-Aided Design (CAD) .......... 3
- Approved Electives ................................................................. 6

Total Hours Required for Degree: .................................................. 25

NOTICE(s): For the short-term certificate in Civil Engineering, the student must complete all of the credit hours listed above—all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirement: High school diploma or GED

This program is offered at the East Broad Campus only.
Clinical Laboratory Technology A.A.S.

Advisors – Wallace Drive Campus: Ann Wheeler (256.549.8471) awheeler@gadsdenstate.edu; Deborah Cole (256.549.8470) dcole@gadsdenstate.edu; Misty Greene (256.549.8217) mgreene@gadsdenstate.edu

STUDENT PROGRESS

| Area I – Written Composition: ................................................................. 6 |
|-------------------------------------------------------------|-----------------|
| • ENG 101 - English Composition I ............................................. 3 |
| • ENG 102 - English Composition II ............................................. 3 |

| Area II – Humanities and Fine Arts: ......................................................... 3 |
|-----------------------------------------------|-----------------|
| • Speech.......................................................... 3 |

| Area III – Natural Sciences and Mathematics: ........................................ 11 |
|-------------------------------------------------------------|-----------------|
| • BIO 103 - Principles of Biology I ....................................... 4 |
| • CHM 104 - Introduction to Inorganic Chemistry ................. 4 |
| • MTH 100 - Intermediate College Algebra OR Higher level Math ............................................. 3 |

| Area IV – History, Social and Behavioral Sciences: ..................................... 3 |
|-----------------------------------------------|-----------------|
| • PSY 200 - General Psychology ......................... 3 |

| Area V – Professional, Major and Elective Courses: .................................... 53 |
|-----------------------------------------------|-----------------|
| In lieu of CIS 146, competency in basic use of computers is demonstrated by extensive use of computers as required in labs and clinicals. |

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<th>Course</th>
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<td>• CLT 111 - CLT Urinalysis and Body Fluids ........ 4</td>
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<td>• CLT 121 - CLT Hematology ................................ 5</td>
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<td>• CLT 131 - Laboratory Techniques ................. 4</td>
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<td>• CLT 141 - CLT Microbiology I ....................... 5</td>
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<td>• CLT 142 - CLT Microbiology II ...................... 4</td>
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<td>• CLT 151 - CLT Clinical Chemistry ................. 5</td>
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<td>• CLT 161 - Integrated Laboratory Simulation ....... 2</td>
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<td>• CLT 181 - CLT Immunology ......................... 2</td>
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<td>• CLT 191 - CLT Immunohematology .................... 5</td>
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<td>• CLT 286 - Special Topics in Clinical Lab Technology ... 1</td>
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<td>• CLT 293 - CLT Clinical Seminar ................. 2</td>
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<td>• CLT 294 - Clinical Laboratory Practicum I ........ 3</td>
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<td>• CLT 295 - Clinical Laboratory Practicum II ....... 3</td>
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<td>• CLT 296 - Clinical Laboratory Practicum III ....... 3</td>
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<td>• CLT 297 - Clinical Laboratory Practicum IV ........ 3</td>
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Total Hours Required for Degree: ................................................................. 76
Computer Information Systems Transfer Guide

Advisors – Ayers Campus: Tony Cobb (256.835.5422) tcobb@gadsdenstate.edu; Paulinus Ozor-Ilo (256.835.5464) pozoriio@gadsdenstate.edu; Donna Wood (256.835.5421) dwood@gadsdenstate.edu
Wallace Drive Campus: Billa Burger (256.549.8297) bburger@gadsdenstate.edu; Tim Moore (256.549.8304) tmoore@gadsdenstate.edu;

STUDENT PROGRESS

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<thead>
<tr>
<th>Area</th>
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<td>Fine Arts ................................................................. 3</td>
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<td>Speech ................................................................. 3</td>
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<td>Humanities, Fine Arts, Literature OR Speech ..................... 3</td>
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<td>Area III – Natural Sciences and Mathematics¹: ......................... 11</td>
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<tr>
<td>MTH 112 - Precalculus Algebra OR Higher level Math ............. 3</td>
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<td>Natural Science and Lab ............................................... 8</td>
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<td>Area IV – History, Social and Behavioral Sciences¹: .............. 12</td>
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<td>History (REQUIRED: Literature OR History sequence) .......... 3</td>
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<td>ECO 231 - Principles of Macroeconomics ............................ 3</td>
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<td>ECO 232 - Principles of Microeconomics ............................. 3</td>
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<td>History, Social, or Behavioral Science ............................ 3</td>
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<td>Area V – Pre-Professional, Pre-Major and Electives¹: .............. 19</td>
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<td>BUS 241 - Principles of Accounting I .................................. 3</td>
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<td>BUS 242 - Principles of Accounting II ................................ 3</td>
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<td>CIS 146 - Microcomputer Applications OR Higher CIS elective .... 3</td>
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<td>CIS 201 - Intro to Computer Programming Concepts ........... 3</td>
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<tr>
<td>CIS 251 - C++ Programming ........................................... 3</td>
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<td>MTH 120 - Calculus and Its Applications OR See advisor ....... 3</td>
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<td>Total Hours Required for Degree: .................................... 60-64</td>
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</table>

NOTICE(s): Number of electives depend on transfer requirements.
¹Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at http://stars.troy.edu/ and the degree requirements of the intended transfer institution.
Computer Science Scientific Transfer Guide

Advisors – Ayers Campus: Tony Cobb (256.835.5422) tcobb@gadsdenstate.edu; Paulinus Ozor-Ilo (256.835.5464) pozorilo@gadsdenstate.edu; Donna Wood (256.835.5421) dwood@gadsdenstate.edu
Wallace Drive Campus: Billa Burger (256.549.8297) bburger@gadsdenstate.edu; Tim Moore (256.549.8304) tmoore@gadsdenstate.edu;

| STUDENT PROGRESS |
|------------------|----------------|----------------|
| Grade            | Term Completed |

Area I – Written Composition: .................................................................6
- ENG 101 - English Composition I .................................................. 3
- ENG 102 - English Composition II .............................................. 3

Area II – Humanities and Fine Arts1: ..............................................12
- Literature (REQUIRED: Literature OR History sequence)........... 3
- Fine Arts ......................................................................................... 3
- Speech ............................................................................................. 3
- Humanities, Fine Arts, Literature OR Speech ......................... 3

Area III – Natural Sciences and Mathematics1: ................................12
- MTH 125 - Calculus I ................................................................. 4
- Natural Science and Lab ................................................................ 8

Area IV – History, Social and Behavioral Sciences1: ......................12
- History (REQUIRED: Literature OR History sequence)............. 3
- History, Social, or Behavioral Science ....................................... 3
- Social and Behavioral Sciences .................................................... 6

Area V – Pre-Professional, Pre-Major and Electives1: .....................18
- ORI 101 - Orientation to College .................................................. 1
- CIS 146 - Microcomputer Applications OR Higher CIS elective. 3
- CIS 201 - Intro to Computer Programming Concepts ............... 3
- CIS 251 - C++ Programming .......................................................... 3
- MTH 126 - Calculus II ................................................................. 4
- MTH 227 - Calculus III ................................................................. 4

Total Hours Required for Degree: ..................................................60-64

NOTICE(s): Number of electives depend on transfer requirements.

1Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at http://stars.troy.edu/ and the degree requirements of the intended transfer institution.
Computer Science Technology - Network Administration A.A.S.

Advisor – Wallace Drive Campus: Frank Cornutt (256.549.8253) fcornutt@gadsdenstate.edu

STUDENT PROGRESS

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Area I – Written Composition: ....................................................... 6
- ENG 101 - English Composition I .............................. 3
- ENG 102 - English Composition II .............................. 3

Area II - Humanities and Fine Arts: .............................................. 6
- Speech ....................................................... 3
- Humanities OR Fine Arts ........................................... 3

Area III – Natural Sciences and Mathematics: ........................... 9
- CIS 146 - Microcomputer Applications OR Higher CIS elective. 3
- CIS 201 - Introduction to Computer Programming Concepts..... 3
- MTH 112 - Precalculus Algebra OR Higher level Math .......... 3

Area IV – History, Social and Behavioral Sciences: .................... 6
- ECO 231 - Principles of Macroeconomics ....................... 3
- ECO 232 - Principles of Microeconomics ....................... 3

Area V – Professional, Major and Electives: ......................... 45
(Advisor Approval Required)
- ORI 101 - Orientation to College ................................ 1
- CIS 212 - Visual BASIC Programming .......................... 3
- CIS 268 - Software Support ...................................... 3
- CIS 165A - Network Lab (Corequisite) ......................... 1
- CIS 269 - Hardware Support ...................................... 3
- CIS 165B - Network Lab (Corequisite) ......................... 1

CISCO Networking core curriculum offered ONLY at Wallace Drive Campus
- CIS 270 - Cisco CCNA I ........................................ 3
- CIS 165D - Network Lab (Corequisite) ......................... 1
- CIS 271 - Cisco CCNA II ......................................... 3
- CIS 272 - Cisco CCNA III ......................................... 3
- CIS 165E - Network Lab (Corequisite) ......................... 1
- CIS 273 – Cisco CCNA IV ......................................... 3
- CIS 276 - Server Administration ................................ 3
- CIS 274A - Adv Network Lab (Corequisite) .................... 1
- CIS 289 – Wireless Networking .................................. 3
- CIS 171 – Linux I .................................................. 3

Choose three CIS advanced electives from the following:
- CIS 203 - Intro to the Information Highway ..................... 3
- CIS 207 - Web Development ..................................... 3
- CIS 208 - Web Authoring Software ............................ 3
- CIS 213 - Adv Visual BASIC Programming ..................... 3
- CIS 222 - Database Management Systems ..................... 3
- CIS 251 - C++ Programming .................................... 3
- CIS 280 - Network Security ..................................... 3

Total Hours Required for Degree: ................................................. 72
## Computer Science Technology A.A.S.

**Advisors – Ayers Campus:** Tony Cobb (256.835.5422) tcobb@gadsdenstate.edu; Paulinus Ozor-Ilo (256.835.5464) pozorilo@gadsdenstate.edu; Donna Wood (256.835.5421) dwood@gadsdenstate.edu

**Wallace Drive Campus:** Billa Burger (256.549.8297) bburger@gadsdenstate.edu; Tim Moore (256.549.8304) tmoore@gadsdenstate.edu

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<td>BUS 271 - Business Statistics I</td>
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<td>CIS 147 - Advanced Micro Applications</td>
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<td>CIS 199 - Network Communications</td>
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<td>CIS 165F - Network Lab (Corequisite)</td>
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**STUDENT PROGRESS**

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**Total Hours Required for Degree:** 73
Computer Science Technology Certificate

Advisors – Ayers Campus: Tony Cobb (256.835.5422) tccobb@gadsdenstate.edu; Paulinus Ozor-Ilo (256.835.5464) pozorilo@gadsdenstate.edu; Donna Wood (256.835.5421) dwood@gadsdenstate.edu

Wallace Drive Campus: Billa Burger (256.549.8297) bburger@gadsdenstate.edu; Frank Cornutt (256.549.8253) fcornutt@gadsdenstate.edu; Tim Moore (256.549.8304) tmoore@gadsdenstate.edu

STUDENT PROGRESS

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<td>Area II</td>
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<td>Natural Sciences and Mathematics</td>
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<td>MTH 100 - Intermediate College Algebra OR Higher level Math</td>
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<td>CIS 147 - Advanced Micro Applications</td>
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<td>CIS 113 - Spreadsheet Software Apps</td>
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<td>CIS 213 - Adv Visual BASIC Programming</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>CIS 268 - Software Support</td>
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<tr>
<td></td>
<td></td>
<td>CIS 165A - Network Lab (Corequisite)</td>
<td>1</td>
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<td></td>
<td>CIS 269 - Hardware Support</td>
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<tr>
<td></td>
<td></td>
<td>CIS 165B - Network Lab (Corequisite)</td>
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Total Hours Required for Certificate: 42

Area V – Microcomputer Repair Technology

<table>
<thead>
<tr>
<th>Description</th>
<th>Grade</th>
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</tr>
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<tbody>
<tr>
<td>ORI 101 - Orientation to College</td>
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<tr>
<td>CIS 199 - Network Communications</td>
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<tr>
<td>CIS 165F Network Lab (Corequisite)</td>
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<tr>
<td>CIS 268 – Software Support</td>
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<td></td>
</tr>
<tr>
<td>CIS 165A - Network Lab (Corequisite)</td>
<td>1</td>
<td></td>
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<tr>
<td>CIS 269 - Hardware Support</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CIS 165B - Network Lab (Corequisite)</td>
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<tr>
<td>CIS 249 - Microcomputer Operating Systems</td>
<td>3</td>
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<tr>
<td>CIS 211 - Principles of Information Assurance</td>
<td>3</td>
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<tr>
<td>CIS 212 – Visual BASIC Programming</td>
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<tr>
<td>Approved Advanced CIS elective</td>
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Total Hours Required for Certificate: 41
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<thead>
<tr>
<th>Area V – Web Development Technology</th>
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<tr>
<td>ORI 101 - Orientation to College</td>
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<tr>
<td>CIS 201 - Intro to Computer Programming Concepts</td>
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<td>CIS 203 - Intro to the Information Highway</td>
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<td>CIS 207 - Web Development</td>
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<td>CIS 208 – Web Authoring Software</td>
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<tr>
<td>CIS 209 - Advanced Web Development</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CIS 212 - Visual BASIC Programming</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CIS 213 - Adv Visual BASIC Programming</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CIS 222 - Database Management Systems</td>
<td>3</td>
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</tr>
<tr>
<td>Approved Advanced CIS elective</td>
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<td></td>
</tr>
</tbody>
</table>

Total Hours Required for Certificate: 43
Cosmetology Technology Certificate

Advisors – Ayers Campus: Melinda White, Cosmetology Building (256.835.5412) mwhite@gadsdenstate.edu; East Broad Campus: Zora Garner, Cosmetology Building (256.549.8690) zgarner@gadsdenstate.edu
Kristina Clifton (256.549.8626) kclifton@gadsdenstate.edu

STUDENT PROGRESS

<table>
<thead>
<tr>
<th>Grade</th>
<th>Term Completed</th>
</tr>
</thead>
</table>

Area I – Written Composition: ......................................................... 3
- COM 100 - Vocational / Technical English OR
  ENG 101 - English Composition I ............................................ 3

Area II – Humanities and Fine Arts: ............................................. 3
- SPC 103 - Oral Communication Skills OR
  SPH 106 - Fundamentals of Oral Communication OR
  SPH 107 - Fundamentals of Public Speaking OR
  SPH 116 - Introduction to Interpersonal Communication......... 3

Area III – Natural Science or Mathematics: .................................. 6
- MAH 101 - Introductory Mathematics I OR
  MTH 100 - Intermediate College Algebra OR
  numerically higher...................................................................... 3
- DPT 100 - Introductory Computer Skills I OR
  CIS 146 - Microcomputer Applications................................. 3

Area IV — History, Social and Behavioral Sciences: ....................... 1
- ORT 100 - Orientation for Career Students ............................ 1

Area V – Technical Courses:.............................................................. 36
- COS 111 - Introduction to Cosmetology ................................. 3
- COS 112 - Introduction to Cosmetology Lab .......................... 3
- COS 114 - Chemical Services Lab .................................. 3
- COS 115 - Hair Coloring Theory........................................... 3
- COS 116 - Hair Coloring Lab.............................................. 3
- COS 117 - Basic Spa Techniques......................................... 3
- COS 118 - Basic Spa Techniques Lab ................................ 3
- COS 123 - Cosmetology Salon Practices............................ 3
- COS 133 - Salon Management Technology.......................... 3
- COS 142 - Applied Chemistry for Cosmetology Lab............... 3
- COS 143 - Specialty Hair Preparation Techniques................ 3
- COS 145 - Hair Shaping Lab............................................. 3

Total Hours Required for Certificate: ........................................ 49

NOTICE(s): For the certificate in Cosmetology Technology, the student must complete all of the 49 credit hours listed above – 36 in technical courses and 13 in general education courses – all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. The courses are listed above. Admission Requirements: Student must be age 17 or older.
## Cosmetology Esthetics Technology Short-Term Certificate

**Advisors – East Broad Campus:** Zora Garner, Cosmetology Building (256.549.8690) zgarner@gadsdenstate.edu  
Kristina Clifton (256.549.8626) kclifton@gadsdenstate.edu

<table>
<thead>
<tr>
<th>Required Technical Courses:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• COS 134 - Advanced Esthetics ........................................ 3</td>
</tr>
<tr>
<td>• COS 135 - Advanced Esthetics Applications .................................. 3</td>
</tr>
<tr>
<td>• COS 163 - Facial Treatments .............................................. 3</td>
</tr>
<tr>
<td>• COS 164 - Facial Machine .................................................. 3</td>
</tr>
<tr>
<td>• COS 165 - Related Subjects Estheticians ................................ 3</td>
</tr>
<tr>
<td>• COS 168 - Bacteriology and Sanitation .................................. 3</td>
</tr>
<tr>
<td>• COS 169 - Skin Functions .................................................. 3</td>
</tr>
<tr>
<td>• COS 181 - Special Topics .................................................. 3</td>
</tr>
<tr>
<td>• COS 182 - Special Topics .................................................. 3</td>
</tr>
<tr>
<td>• ORT 100 - Orientation for Career Students ................................ 1</td>
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</tbody>
</table>

**Total Hours Required for Certificate:** ........................................ 28

**NOTICE(s):** For the short-term certificate in Esthetics Technology, the student must complete all of the 28 credit hours listed above—all of which must be approved by the advisor. Admission Requirements: Student must be age 17 or older.  
This program is offered at the East Broad Campus only.

## Cosmetology Nail Technology Short-Term Certificate

**Advisors – East Broad Campus:** Zora Garner, Cosmetology Building (256.549.8690) zgarner@gadsdenstate.edu  
Kristina Clifton (256.549.8626) kclifton@gadsdenstate.edu

<table>
<thead>
<tr>
<th>Required Technical Courses:</th>
</tr>
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<tbody>
<tr>
<td>• COS 133 - Salon Management Technology .................................. 3</td>
</tr>
<tr>
<td>• COS 150 - Manicuring ..................................................... 3</td>
</tr>
<tr>
<td>• COS 151 - Nail Care ....................................................... 3</td>
</tr>
<tr>
<td>• COS 152 - Nail Care Applications ........................................ 3</td>
</tr>
<tr>
<td>• COS 153 - Nail Art .......................................................... 3</td>
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<tr>
<td>• COS 154 - Nail Art Applications .......................................... 3</td>
</tr>
<tr>
<td>• COS 181 - Special Topics .................................................. 3</td>
</tr>
<tr>
<td>• COS 182 - Special Topics .................................................. 3</td>
</tr>
<tr>
<td>• ORT 100 - Orientation for Career Students ................................ 1</td>
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</tbody>
</table>

**Total Hours Required for Certificate:** ........................................ 25

**NOTICE(s):** For the short-term certificate in Nail Technology, the student must complete all of the 25 credit hours listed above—all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirements: Student must be age 17 or older.  
This program is offered at the East Broad Campus only.
Criminal Justice Transfer Guide

Advisor - Wallace Drive Campus: Deb Howard (256.549.8356) dhoward@gadsdenstate.edu

<table>
<thead>
<tr>
<th>STUDENT PROGRESS</th>
<th>Grade</th>
<th>Term Completed</th>
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<tbody>
<tr>
<td><strong>Area I – Written Composition</strong>:</td>
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</tr>
<tr>
<td>• ENG 101 - English Composition I</td>
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</tr>
<tr>
<td>• ENG 102 - English Composition II</td>
<td>3</td>
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<tr>
<td><strong>Area II – Humanities and Fine Arts</strong>:</td>
<td></td>
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</tr>
<tr>
<td>• Literature (REQUIRED: Literature OR History sequence)</td>
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<tr>
<td>• Fine Arts</td>
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<tr>
<td>• Speech</td>
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<tr>
<td>• Humanities, Fine Arts, Literature OR Speech</td>
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<tr>
<td><strong>Area III – Natural Sciences and Mathematics</strong>:</td>
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<tr>
<td>• MTH 110 - Finite Mathematics OR MTH 112 - Precalculus Algebra OR Higher level Math (Consult CRJ advisor)</td>
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<tr>
<td>• Natural Science and Lab</td>
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<tr>
<td><strong>Area IV – History, Social and Behavioral Sciences</strong>:</td>
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</tr>
<tr>
<td>• History (REQUIRED: Literature OR History sequence)</td>
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</tr>
<tr>
<td>• History, Social, or Behavioral Science</td>
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<tr>
<td>• Social and Behavioral Sciences</td>
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<td><strong>Area V – Pre-Professional, Pre-Major and Electives</strong>:</td>
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<tr>
<td>• ORI 101 - Orientation to College</td>
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<td>• CIS 146 - Microcomputer Applications</td>
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<tr>
<td>• CRJ 100 - Introduction to Criminal Justice</td>
<td>3</td>
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<tr>
<td>• CRJ 110 - Introduction to Law Enforcement</td>
<td>3</td>
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<tr>
<td>• CRJ 150 - Introduction to Corrections</td>
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<tr>
<td>• CRJ 140 - Criminal Law and Procedure OR CRJ 160 - Introduction to Security</td>
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<td>• CRJ elective OR POL 211 - American National Government</td>
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<tr>
<td>• CRJ elective OR BUS 271 - Business Statistics I</td>
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<tr>
<td><strong>Total Hours Required for Degree</strong>:</td>
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</table>

NOTICE(s): *Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu/](http://stars.troy.edu/) and the degree requirements of the intended transfer institution.
Diesel Technology Certificate

Advisor – Ayers Campus: Stephan Stuelp, Diesel Building, (256.835.5419) sstuelp@gadsdenstate.edu

STUDENT PROGRESS

<table>
<thead>
<tr>
<th>Grade</th>
<th>Term Completed</th>
</tr>
</thead>
</table>

Area I—Written Composition: ................................................................. 3
• COM 100 - Vocational / Technical English OR
  ENG 101 - English Composition I ......................................................... 3

Area II—Humanities and Fine Arts: ......................................................... 3
• SPC 103 - Oral Communication Skills OR
  SPH 106 - Fundamentals of Oral Communication OR
  SPH 107 - Fundamentals of Public Speaking OR
  SPH 116 - Introduction to Interpersonal Communication........... 3

Area III—Natural Science or Mathematics: ............................................. 6
• MAH 101 - Introductory Mathematics I OR
  MTH 100 - Intermediate College Algebra OR
  numerically higher.................................................................................. 3
• DPT 100 - Introductory Computer Skills I OR
  CIS 146 - Microcomputer Applications.............................................. 3

Area IV—History, Social, and Behavioral Sciences: .............................. 1
• ORT 100 - Orientation for Career Students .................................... 3

Area V—Technical Courses: ................................................................. 18
Courses listed below are required:
• DEM 104 - Basic Engines................................................................. 3
• DEM 105 – Preventive Maintenance................................................... 3
• DEM 122 - Heavy Vehicle Brakes..................................................... 3
• DEM 124 - Electronic Engine Systems......................................... 3
• DEM 125 - Heavy Vehicle Drive Trains............................................. 3
• DEM 130 - Electrical/Electronic Fundamentals............................... 3

Technical Electives: ................................................................. 25
• DEM 111 - Equipment Safety / Mechanical Fundamentals........... 3
• DEM 114 - Fluid Power Components............................................... 3
• DEM 119 - Bearings and Lubricants............................................... 3
• DEM 123 – Pneumatics and Hydraulics........................................... 3
• DEM 127 – Fuel Systems................................................................. 3
• DEM 128 - Heavy Vehicle Drive Train Lab.................................... 3
• DEM 129 - Diesel Engine Lab......................................................... 3
• DEM 131 - Electrical/Electronic Fundamentals II......................... 3
• DEM 135 - Heavy Vehicle Steering and Suspension Systems.. 3
• DEM 137 - Heating, A/C, and Refrigeration Systems................. 3
• DEM 155 – Preventive Maintenance II.......................... ............................ 3
• DEM 180 - Special Projects in Commercial Vehicles............... 3
• DEM 181 – Special Topics in Electrical........................................... 3
• DEM 182 – Special Topics in Engines............................................. 3
• DEM 183 – Special Topics in Power Train........................................ 3
• DEM 184 - Special Topics in Heavy Duty Brakes, Steering, and Suspension......................................................... 3
• DEM 186 – Special Projects in Commercial Vehicles............... 3
• DEM 187 - Industrial Safety............................................................ 3
• DEM 191 - Special Projects in Diesel Mechanics......................... 3
### STUDENT PROGRESS

<table>
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<th>Course</th>
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<td>DEM 192 - Co-Op Elective</td>
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<td>DEM 196 - Co-Op Elective</td>
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<td>DEM 196A - Co-Op Elective</td>
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<td>DEM 197 - Co-Op Elective</td>
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Total Hours Required for Certificate: 56

**NOTICE(s):** For the certificate in Diesel Mechanics, the student must complete a minimum of 56 credit hours—43 in technical courses and a minimum of 13 hours in general education courses—all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirement: The student must be 17 or older.

*This program is offered at the Ayers Campus only.*
Drafting and Design Technology A.A.S.

Advisor – Ayers Campus: Barry Abernathy, Drafting Building (256.835.5442) babernathy@gadsdenstate.edu

STUDENT PROGRESS

<table>
<thead>
<tr>
<th>Grade</th>
<th>Term Completed</th>
</tr>
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Area I—Written Composition: .................................................. 3
- ENG 101 - English Composition I ........................................... 3

Area II—Humanities and Fine Arts: ............................................ 6
- SPH 106 - Fundamentals of Oral Communication OR
- SPH 107 - Fundamentals of Public Speaking OR
- SPH 116 - Introduction to Interpersonal Communication .......... 3
- Humanities and Fine Arts Elective
  Art, Art History, Foreign Language,
  Humanities, Music, Philosophy, Religion, Speech,
  Theater, or Dance .............................................................. 3

Area III — Natural Science or Mathematics: .............................. 9
- MTH 100 - Intermediate College Algebra OR
  numerically higher ............................................................... 3
- CIS 146 - Microcomputer Applications .................................... 3
- MDT 105 - Introduction to Computer-Aided Design (CAD) OR
  DDT 104 – Basic Computer Aided Drafting and Design ............ 3

Area IV—History, Social and Behavioral Sciences: ....................... 4
- Economics, Geography, History,
  Political Science, Psychology, or Sociology ............................. 3
- ORI 101 - Orientation to College ............................................ 3

Area V—Technical Courses: ....................................................... 30
Courses listed below are required.
- DDT 111 - Fundamentals of Drafting and Design Technology ... 3
- DDT 115 - Blueprint Reading for Machinists ......................... 3
- DDT 116 - Blueprint Reading for Construction ....................... 3
- DDT 124 – Basic Technical Drawing ....................................... 3
- DDT 127 - Intermediate Computer Aided Drafting and Design.. 3
- DDT 128 - Intermediate Technical Drawing ............................. 3
- DDT 220 - Advanced Technical Drawing ................................. 3
- DDT 233 – Intermediate 3D Modeling ................................... 3
- EET 100 - Introduction to Engineering Technologies ............ 3
- INT 104 - Principles of Technology ....................................... 3

Drafting Elective: ................................................................. 21-24
- DDT 114 - Industrial Blueprint Reading ................................. 3
- DDT 117 - Manufacturing Processes ..................................... 3
- DDT 131 - Machine Drafting Basics ..................................... 3
- DDT 132 - Architectural Drafting ......................................... 3
- DDT 133 - Basic Surveying .................................................. 3
- DDT 182 - Special Topics in Drafting and Design Technology .. 3
- DDT 211 - Intermediate Machine Drafting ............................ 3
- DDT 212 - Intermediate Architectural Drafting ...................... 3
- DDT 226 - Technical Illustration ......................................... 3
- DDT 231 – Advanced CAD ................................................... 3
- DDT 244 – Advanced 3D Modeling ....................................... 3
- DDT 235 - Specialized CAD ............................................... 3
- DDT 237 - Current Topics in CAD ...................................... 3
Total Hours Required for Degree:.................................................................73

NOTICE(s): The student should choose a minimum of 21 credit hours from courses listed in this area. The student should seek approval from his/her advisor before attempting to register for any of the courses listed in this area.

For the A.A.S. Degree in the Drafting and Design Technology, the student must complete a minimum of 73 credit hours — a minimum of 51 in technical courses and a minimum of 22 in general education courses—all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student’s major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

This program is offered at the Ayers Campus only.
Drafting and Design Technology Certificate

Advisor – Ayers Campus: Barry Abernathy, Drafting Building (256.835.5442) babernathy@gadsdenstate.edu

<table>
<thead>
<tr>
<th>STUDENT PROGRESS</th>
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<tbody>
<tr>
<td>Grade</td>
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</table>

**Area I—Written Composition:** ......................................................... 3
- ENG 101 - English Composition I ................................................. 3

**Area II—Humanities and Fine Arts:** .................................................. 3
- SPH 106 - Fundamentals of Oral Communication OR
- SPH 107 - Fundamentals of Public Speaking OR
- SPH 116 - Introduction to Interpersonal Communication........ 3

**Area III—Natural Science or Mathematics:** ...................................... 6
- MTH 100 - Intermediate College Algebra OR numerically higher ......................................................... 3
- CIS 146 - Microcomputer Applications................................. 3

**Area IV—History, Social and Behavioral Sciences:** ............................ 1
- ORI 101 - Orientation to College................................................ 1

**Area V—Technical Courses:** .............................................................. 33
- DDT 104 – Basic Computer Aided Drafting and Design ........ 3
- DDT 111 – Fundamentals of Drafting and Design Technology 3
- DDT 115 – Blueprint Reading for Machinists ......................... 3
- DDT 116 – Blueprint Reading for Construction...................... 3
- DDT 124 – Basic Technical Drawing ........................................... 3
- DDT 127 – Intermediate CADD.................................................... 3
- DDT 128 – Intermediate Technical Drawing ......................... 3
- DDT 220 – Advanced Technical Drawing ............................... 3
- DDT 233 – Intermediate 3D Modeling ............................... 3
- EET 100 – Introduction to Engineering Technologies .......... 3
- INT 104 – Principles of Technology ........................................ 3

**Total Hours Required for Certificate:** ............................................. 46

NOTICE(s): For the certificate in Drafting and Design Technology, the student must complete at least 46 credit hours—at least 33 in technical courses and at least 13 in general education courses—all of which must be approved by the advisor. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

This program is offered at the Ayers Campus only.
Drafting and Design Technology Short-Term Certificate

Advisor – Ayers Campus: Barry Abernathy, Drafting Building (256.835.5442) babernathy@gadsdenstate.edu

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Grade</th>
<th>Term Completed</th>
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</thead>
<tbody>
<tr>
<td>DDT 104 - Basic Computer Aided Drafting and Design</td>
<td>3</td>
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</tr>
<tr>
<td>DDT 111 - Fundamentals of Drafting and Design Technology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>DDT 115 - Blueprint Reading for Machinists</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>DDT 116 - Blueprint Reading for Construction</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>DDT 124 – Basic Technical Drawing</td>
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<td></td>
</tr>
<tr>
<td>DDT 233 – Intermediate 3D Modeling</td>
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<tr>
<td>DDT 235 - Specialized CAD</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>DDT 237 - Current Topics in CAD</td>
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<td>EET 100 - Introduction to Engineering Technologies</td>
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<tr>
<td>ORI 101 - Orientation to College</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

Total Hours Required for Certificate: .................................................. 28

NOTICE(s): For the short-term certificate in Drafting and Design Technology, the student must complete all of the 28 credit hours listed above—all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Admission Requirement: High school diploma or GED. This program is offered at the Ayers Campus only.
Electrical Technology A.A.S.

Advisors – Ayers Campus: Tony Thrower, Electricity Building (256.835.5441) tthrower@gadsdenstate.edu; East Broad Campus: Debbie Reynolds, Electrical Building (256.549.8631) dreynolds@gadsdenstate.edu

STUDENT PROGRESS

Area I — Written Composition: .................................................................3
• ENG 101 - English Composition I ...................................................... 3

Area II — Humanities and Fine Arts: .....................................................6
• SPH 106 - Fundamentals of Oral Communication OR
• SPH 107 - Fundamentals of Public Speaking OR
• SPH 116 - Introduction to Interpersonal Communication ............ 3
• Humanities and Fine Arts Elective:
  Art, Art History, Foreign Language, Humanities, Music, Philosophy, Religion, Speech, Theater, or Dance .................................................................3

Area III — Natural Science or Mathematics: .....................................9
• MTH 100 - Intermediate College Algebra OR
  numerically higher ........................................................................... 3
• CIS 146 - Microcomputer Applications ........................................ 3
• MDT 105 - Introduction to Computer-Aided Design (CAD) OR
• DDT 104 - Basic Aided Drafting and Design OR
  Mathematics, Computer Science, or Natural Science Elective .. 3

Area IV – History, Social and Behavioral Sciences: .........................4
• Economics, Geography, History, Political Science, Psychology, or Sociology .......................................................... 3
• ORI 101 - Orientation to College ...................................................... 1

Area V - Technical Courses: .................................................................30
Courses listed below are required.
• ELT 110 - Wiring Methods OR
  EET 192 - Installation Practices ................................................... 3
• ELT 231 - Introduction to Programmable Controllers OR
  INT 184 – Introduction to Programmable Logic Controllers ....... 3
• EET 100 - Introduction to Engineering Technologies ............... 3
• EET 109 - Electrical Blueprint Reading I .................................. 3
• INT 101 - DC Fundamentals OR
  EET 103 - DC Fundamentals ...................................................... 3
• INT 103 - AC Fundamentals OR
  EET 104 - AC Fundamentals .......................................................... 3
• INT 104 - Principles of Technology ............................................... 3
• INT 113 - Industrial Motor Control I .......................................... 3
• INT 117 - Principles of Industrial Mechanics ............................ 3
• INT 118 - Fundamentals of Industrial Hydraulics and Pneumatics .......................................................... 3

Technical Specialization Courses: .....................................................24
• * ELT 114 - Residential Wiring Methods .................................. 3
• * ELT 115 - Residential Wiring Methods II ........................... 3
• * ELT 117 - AC/DC Machines OR
  INT 206 - Industrial Motors I ...................................................... 3
• * ELT 118 - Commercial/Industrial Wiring I OR
  INT 158 - Industrial Wiring I .......................................................... 3

Click on any link to be taken to that entry
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- **ELT 122 - Advanced AC/DC Machines OR**
  - **INT 211 - Industrial Motors II** .................................................. 3
- **ELT 181 - Special Topics in Electrical Technology** ................................ 3
- **ELT 182 - Special Topics in Electrical Technology** ................................ 3
- **ELT 183 - Special Topics in Electrical Technology**
  - NCER Certification .............................................................................. 3
- **ELT 192 - Practicum/Intern/Co-op** .................................................. 1
- **ELT 194 - Practicum/Intern/Co-op** .................................................. 2
- **ELT 206 - OSHA Safety Standards** .................................................... 3
- **ELT 212 - Motor Controls II** .............................................................. 3
- **ELT 232 - Advanced Programmable Controllers** ................................ 3
- **ELT 234 – PLC Applications** ............................................................... 3
- **ELT 241 - National Electric Code** ...................................................... 3
- **ELT 242 - Journeyman Master Prep Exam** .......................................... 3
- **ELT 244 - Conduit Bending and Installation** ........................................ 3
- **ACR 111 - Principles of Refrigeration** ............................................... 3
- **ACR 113 - Refrigeration Piping Practices** .......................................... 3
- **ACR 126 - Commercial Heating Systems** .......................................... 3
- **ACR 148 - Heat Pump Systems I** ......................................................... 3
- **ACR 200 - Review for Contractors Exam** .......................................... 3
- **EET 114 - Concepts of Solid State Electronics** ..................................... 5
- **EET 119 - Circuit Fabrication I** .......................................................... 1
- **EET 207 - Intro to Robotics** ................................................................. 3
- **EET 212 - Intro to Robotics Lab** ............................................................ 2
- **EET 213 - Process Control and Instrumentation** .................................... 3
- **EET 224 - Elements of Industrial Control with PLCs** ......................... 3
- **EET 229 - Elements of Industrial Control with PLCs Lab** .................... 2
- **EET 238 - Process Control and Instrumentation Lab** ............................ 2
- **INT 126 - Preventive Maintenance** .................................................... 3
- **INT 127 - Principles of Industrial Pumps and Piping Systems** ............... 3
- **INT 134 - Principles of Industrial Maintenance Welding**
  - and Metal Cutting Techniques ............................................................... 3
- **INT 139 – Introduction to Robotic Programming** ................................ 3
- **INT 253 – Industrial Robotics** ............................................................. 3
- **INT 254 – Robot Maintenance and Troubleshooting OR**
  - **ELT 254—Robot Maintenance and Troubleshooting** .......................... 3
- **MDT 105 - Introduction to Computer-Aided Design (CAD) OR**
  - **DDT 104 - Basic Computer Aided Drafting and Design** ..................... 3

*R**equired Courses

Total Hours Required for Degree: ............................................................... 76

**NOTICE(s):** For the A.A.S. Degree in Industrial Automation Technology, Electrical Technology Specialty, the student must complete a minimum of 76 credit hours—a minimum of 54 in technical courses and a minimum of 22 in general education courses—all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student’s major advisor. Technical courses may vary to meet student needs and to provide options. Students may Co-Op a maximum of 6 credit hours. Three semesters of Co-Op credit may be applied to the degree, one semester credit hour per semester. Admission Requirements: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.
Electrical Technology Certificate

Advisors – Ayers Campus: Tony Thrower, Electricity Building (256.835.5441) tthrower@gadsdenstate.edu; Debbie Reynolds, Electrical Building (256.549.8631) dreynolds@gadsdenstate.edu

East Broad Campus: Debbie Reynolds, Electrical Building (256.549.8631) dreynolds@gadsdenstate.edu

STUDENT PROGRESS

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Area I—Written Composition: .................................................................3
- ENG 101 - English Composition I ....................................................... 3

Area II—Humanities and Fine Arts: ..........................................................3
- SPH 106 - Fundamentals of Oral Communication OR
- SPH 107 - Fundamentals of Public Speaking OR
- SPH 116 - Introduction to Interpersonal Communication.................. 3

Area III—Natural Science or Mathematics: .............................................6
- MTH 100 - Intermediate College Algebra OR numerically higher...................... 3
- CIS 146 - Microcomputer Applications............................................... 3

Area IV—History, Social and Behavioral Sciences: .................................1
- ORI 101 - Orientation to College....................................................... 1

Area V—Technical Courses: .................................................................30
Courses listed below are required:
- ELT 110 - Wiring Methods OR
- EET 192 - Installation Practices....................................................... 3
- ELT 114 - Residential Wiring Methods............................................. 3
- ELT 115 - Residential Wiring Methods II.......................................... 3
- ELT 117 - AC/DC Machines OR
  INT 206 - Industrial Motors I .............................................................. 3
- ELT 118 - Commercial/Industrial Wiring I OR
  INT 158 - Industrial Wiring I.............................................................. 3
- ELT 209 - Motor Controls I OR
  INT 113 - Industrial Motor Control I........................................... 3
- EET 100 - Introduction to Engineering Technologies........................... 3
- EET 109 - Electrical Blueprint Reading I........................................ 3
- INT 101 - DC Fundamentals OR
  EET 103 - DC Fundamentals............................................................ 3
- INT 103 - AC Fundamentals OR
- EET 104 - AC Fundamentals............................................................. 3

Total Hours Required for Certificate: ......................................................43

NOTICE(s): For the certificate in Industrial Maintenance Technology, Electrical Technology Specialty, the student must complete at least 43 credit hours—all 30 hours in technical courses listed above and at least 13 in general education courses—all of which must be approved by the advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.
### Electrical Technology Short-Term Certificate

**Advisors – Ayers Campus:** Tony Thrower, Electricity Building (256.835.5441) tthrower@gadsdenstate.edu;  
**East Broad Campus:** Debbie Reynolds, Electrical Building (256.549.8631) dreynolds@gadsdenstate.edu

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#### STUDENT PROGRESS

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### Residential Electrical Apprentice:

- ELT 110 - Wiring Methods ............................................ 3
- ELT 114 - Residential Wiring Methods .............................. 3
- ELT 115 - Residential Wiring Methods II .......................... 3
- ELT 181 - Special Topics in Electrical Technology OR  
  ELT 182 - Special Topics in Electrical Technology OR  
  ELT 241 - National Electric Code OR  
  EET 100 - Introduction to Engineering Technologies .............. 3
- ELT 244 - Conduit Bending and Installation OR  
  ELT 117 – AC/DC Machines ............................................ 3
- ELT 245 - Electrical Grounding Systems OR  
  EET 109 - Electrical Blueprint Reading I .......................... 3
- INT 101 - DC Fundamentals OR  
  EET 103 - DC Fundamentals ............................................ 3
- INT 103 - AC Fundamentals OR  
  EET 194 - AC Fundamentals ............................................ 3
- ORI 101 - Orientation to College ..................................... 1

**Total Hours Required for Certificate:** ............................................. **25**

### Industrial Electrical Technician:

- ELT 110 - Wiring Methods OR  
  EET 192 - Installation Practices OR  
  ELT 242 - Journeyman Master Prep Exam ............................. 3
- ELT 117 - AC/DC Machines OR  
  INT 206 - Industrial Motors I ........................................ 3
- ELT 118 - Commercial/Industrial Wiring I OR  
  INT 158 - Industrial Wiring I ........................................ 3
- ELT 122 - Advanced AC/DC Machines OR  
  ELT 212 - Motor Controls II OR  
  ELT 231 - Introduction to Programmable Controllers OR  
  INT 184 - Introduction to Programmable Logic Controllers .... 3
- ELT 244 - Conduit Bending and Installation OR  
  ELT 181 - Special Topics in Electrical Technology ............... 3
- INT 101 - DC Fundamentals OR  
  EET 103 - DC Fundamentals ............................................ 3
- INT 103 - AC Fundamentals OR  
  EET 104 - AC Fundamentals ............................................ 3
- INT 113 - Industrial Motor Control I ................................. 3
- ORI 101 - Orientation to College ..................................... 1

**Total Hours Required for Certificate:** ............................................. **25**

### Industrial Control Technician:

- ELT 110 - Wiring Methods OR  
  EET 192 - Installation Practices ..................................... 3
- ELT 117 - AC/DC Machines ............................................ 3
- ELT 122 - Advanced AC/DC Machines ................................ 3
- ELT 212 - Motor Controls II OR  
  ELT 244 - Conduit Bending and Installation OR
### STUDENT PROGRESS

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<td>ELT 231 - Introduction to Programmable Controllers</td>
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<td>ELT 232 - Advanced Programmable Controllers OR</td>
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<td>ELT 118 - Commercial/Industrial Wiring I</td>
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<td>INT 101 - DC Fundamentals OR</td>
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<td>INT 104 - Principles of Technology OR</td>
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<td>EET 104 - AC Fundamentals</td>
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<tr>
<td>ORI 101 - Orientation to College</td>
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Total Hours Required for Certificate: ........................................25

**NOTICE(s):** For the short-term certificate in Residential Electrical Apprentice, Industrial Electrical Technician, or Industrial Control Technician, the student must complete 25 credit hours in technical courses—all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirement: High school diploma or GED.
Electronic Engineering Technology - General Option A.A.S.

Advisors – Ayers Campus: Audrey Webb, Electronics Building (256.835-5460) awebb@gadsdenstate.edu; Tim Barksdale, Electronics Building (256.835-5427) tbarksdale@gadsdenstate.edu
East Broad Campus: David Barnett, Bevill Center (256.549.8632) dbarnett@gadsdenstate.edu; Thomas Hartline, Bevill Center (256.549.8634) thartline@gadsdenstate.edu

Area I — Written Composition: .......................................................... 3
  • ENG 101 - English Composition I ........................................ 3

Area II — Humanities and Fine Arts: .............................................. 6
  • SPH 106 - Fundamentals of Oral Communication OR
    SPH 107 - Fundamentals of Public Speaking OR
    SPH 116 - Introduction to Interpersonal Communication........... 3
  • Humanities and Fine Arts Elective
    Art, Art History, Foreign Language,
    Humanities, Music, Philosophy, Religion, Speech, Theater,
    or Dance.................................................................................... 3

Area III — Natural Science or Mathematics: ................................ 9
  • MTH 100 - Intermediate College Algebra OR
    numerically higher.................................................................. 3
  • CIS 146 - Microcomputer Applications.................................. 3
  • MDT 105 - Introduction to Computer-Aided Design (CAD) OR
    DDT 104 – Basic Computer Aided Drafting and Design OR
    Mathematics, Computer Science, or Natural Science
    Elective .................................................................................... 3

Area IV — History, Social and Behavioral Sciences: .................. 4
  • Economics, Geography, History,
    Political Science, Psychology, or Sociology............................ 3
  • ORI 101 - Orientation to College........................................... 1

Area V — Technical Courses: ..................................................... 18

Required Courses for all options of Electronics Engineering Technology
  • EET 100 - Introduction to Engineering Technologies.............. 3
  • EET 103 - DC Fundamentals OR
    INT 101 - DC Fundamentals.................................................. 3
  • EET 104 - AC Fundamentals OR
    INT 103 - AC Fundamentals.................................................. 3
  • EET 109 - Electrical Blueprint Reading I.................................. 3
  • EET 225 - Electronics Communications................................ 3
  • INT 104 - Principles of Technology........................................ 3

Additional Coursework:
  • ‘ EET 114 - Concepts of Solid State Electronics .................... 5
  • ‘ EET 115 - Concepts of Digital Electronics ......................... 5
  • ‘ EET 116 - Concepts of Electronic Circuits......................... 5
  • ‘ EET 119 - Circuit Fabrication I ......................................... 1
  • EET 192 - Installation Practices............................................ 3
  • EET 195 - Selected Topics in EET OR
  • EET 196 - Selected Topics in EET OR

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- EET 197 - Selected Topics in EET ........................................ 1-3
- EET 207 - Intro to Robotics.................................................. 3
- EET 208 - Fiber Optics ...................................................... 3
- EET 212 - Intro to Robotics Lab............................................ 2
- EET 213 - Process Control and Instrumentation.......................... 3
- EET 224 - Elements of Industrial Controls with PLCs.............. 3
- EET 229 - Elements of Industrial Controls with PLCs Lab.......... 2
- EET 230 - Communications Basics ......................................... 3
- EET 231 - Communications Basics Laboratory ............................ 1
- EET 238 - Process Control and Instrumentation Lab................... 2
- EET 240 - Communications Advanced .........................................
- EET 241 - Communications Advanced Laboratory ........................ 1
- EET 249 - CET Preparation ...................................................
- EET 252 - Electronic Service Lab ........................................... 1
- EET 253 - Electronic Service Lab ........................................... 2
- EET 254 - Microcomputer Systems Basic I .................................. 3
- EET 255 - Microcomputer Systems Basic I Lab ............................ 2
- EET 256 - Microcomputer Systems Advanced I ............................ 3
- EET 257 - Microcomputer Systems Advanced I Lab ..................... 2
- EET 260 - Microprocessors Interfacing .................................... 3
- EET 261 - Microprocessors Interfacing Laboratory.................... 1
- EET 262 - Industrial Automation Project .................................
- EET 276 - Elements of Industrial Controls with PLCs II ........... 3
- EET 277 - Elements of Industrial Controls with PLCs II Lab ...... 2
- EET 281 - Special Topics in Electronic Engineering Technology ...... 3
- EET 290 - Electronics Project .............................................. 3
- EET 294 - Co-Op Education .................................................. 3
- DDT 104 - Basic Computer Aided Drafting and Design OR
- MDT 105 - Introduction to Computer-Aided Design (CAD) .......... 3

*Required Courses

Total Hours Required for Degree: ................................................ 76

NOTICE(s): For the A.A.S. Degree in Electronic Engineering Technology, General Option, the student must complete a minimum of 76 credit hours—a minimum of 22 general education hours, 21 general technical core hours, and 33 hours of technical electives—all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student’s major advisor. Technical courses may vary to meet student need and to provide options. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.
Electronic Engineering Technology - Industrial Electronics
Specialization A.A.S.

Advisors – Ayers Campus: Audrey Webb, Electronics Building (256.835.5460) awebb@gadsdenstate.edu;
Tim Barksdale, Electronics Building (256.835-5427) tbarksdale@gadsdenstate.edu
East Broad Campus: David Barnett, Bevill Center (256.549.8632) dbarnett@gadsdenstate.edu;
Thomas Hartline, Bevill Center (256.549.8634) thartline@gadsdenstate.edu

Area I — Written Composition: ..............................................................3
  • ENG 101 - English Composition I .............................................3

Area II — Humanities and Fine Arts: ...................................................6
  • SPH 106 - Fundamentals of Oral Communication OR
  • SPH 107 - Fundamentals of Public Speaking OR
  • SPH 116 - Introduction to Interpersonal Communication ........3
  • Humanities and Fine Arts Elective
    Art, Art History, Foreign Language, Humanities, Music, Philosophy, Religion, Speech, Theater,
    or Dance.........................................................3

Area III — Natural Science or Mathematics: .......................................9
  • MTH 100 - Intermediate College Algebra OR
    numerically higher......................................................3
  • CIS 146 - Microcomputer Applications..................................3
  • MDT 105 - Introduction to Computer-Aided Design (CAD) OR
    DDT 104 – Basic Computer Aided Drafting and Design OR
    Mathematics, Computer Science, or Natural Science Elective ..3

Area IV — History, Social and Behavioral Sciences: ............................4
  • Economics, Geography, History, Political Science, Psychology, or Sociology ..............3
  • ORI 101 - Orientation to College...........................................1

Area V — Technical Core Courses: ...................................................18

Required Courses for all options of Electronics Engineering Technology
  • EET 100 - Introduction to Engineering Technologies ..............3
  • EET 103 - DC Fundamentals OR
    INT 101 - DC Fundamentals .............................................3
  • EET 104 - AC Fundamentals OR
    INT 103 - AC Fundamentals .............................................3
  • EET 109 - Electrical Blueprint Reading I ............................3
  • EET 225 - Electronics Communications..................................3
  • INT 104 - Principles of Technology ..................................3

Additional Coursework
  • * EET 114 - Concepts of Solid State Electronics ..............5
  • * EET 115 - Concepts of Digital Electronics.......................5
  • * EET 116 - Concepts of Electronic Circuits......................5
  • * EET 119 - Circuit Fabrication I .......................................1
  • EET 192 - Installation Practices ..................................3
  • EET 195 - Selected Topics in EET OR
  • EET 196 - Selected Topics in EET OR
  • EET 197 - Selected Topics in EET ...................................1-3

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<td>EET 207 - Intro to Robotics</td>
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<td>EET 208 - Fiber Optics</td>
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<td>EET 212 - Intro to Robotics Lab</td>
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<td>* EET 213 - Process Control and Instrumentation</td>
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<td>* EET 224 - Elements of Industrial Control with PLCs</td>
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<td>INT 117 - Principles of Industrial Mechanics</td>
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<td>INT 118 - Fundamentals of Industrial Hydraulics and Pneumatics</td>
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*Required courses for Electronic Engineering Technology, Industrial Electronics Specialization*

#### Total Hours Required for Degree: 76

**NOTICE(s):** For the A.A.S. Degree in Electronics Engineering Technology, Industrial Electronics Specialization, the student must complete a minimum of 76 credit hours — a minimum of 22 general education hours, 21 general technical core hours and 33 hours of technical electives—all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student’s major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.
Electronic Engineering Technology Certificate

Advisors – Ayers Campus: Audrey Webb, Electronics Building (256.835.5460) awebb@gadsdenstate.edu; Tim Barksdale, Electronics Building (256.835-5427) tbarksdale@gadsdenstate.edu
East Broad Campus: David Barnett, Bevill Center (256.549.8632) dbarnett@gadsdenstate.edu; Thomas Hartline, Bevill Center(256.549.8634) thartline@gadsdenstate.edu

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<td>• ENG 101 - English Composition I</td>
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<td>SPH 107 - Fundamentals of Public Speaking OR</td>
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<tr>
<td>• MTH 100 - Intermediate College Algebra OR</td>
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<td>CIS 146 - Microcomputer Applications</td>
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<tr>
<td>• * EET 100 - Introduction to Engineering Technologies</td>
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*Required course for all options of Electronic Engineering Technology

Total Hours Required for Certificate: 43

NOTICE(s): For the certificate in Electronic Engineering Technology, all options, the student must complete 13 general education hours and 30 technical hours—12 required as shown above and 18 additional elective hours from EET or TCT—all of which must be approved by the student’s major advisor. Admission Requirement: High school diploma or GED.
Elementary Education / Early Childhood / Preschool Education
Transfer Guide

Advisors - McClellan Center: Billy Jenkins (256.238.9373) bjenkins@gadsdenstate.edu;
Wallace Drive Campus: Derrick Griffey (256.549.8330) dgriffey@gadsdenstate.edu

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<th>Area I – Written Composition:</th>
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<tr>
<td>• ENG 102 - English Composition II</td>
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<thead>
<tr>
<th>Area II – Humanities and Fine Arts¹:</th>
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<tbody>
<tr>
<td>• Literature (REQUIRED: Literature OR History sequence)</td>
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<tr>
<td>• Fine Arts</td>
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<tr>
<td>• Speech</td>
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<tr>
<td>• Humanities, Fine Arts, Literature OR Speech</td>
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<table>
<thead>
<tr>
<th>Area III – Natural Sciences and Mathematics¹:</th>
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<tbody>
<tr>
<td>• MTH 110 - Finite Mathematics OR MTH 112 - Precalculus Algebra OR Higher level Math</td>
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<tr>
<td>• Natural Science and Lab</td>
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<table>
<thead>
<tr>
<th>Area IV – History, Social and Behavioral Sciences¹:</th>
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<tbody>
<tr>
<td>• History (REQUIRED: Literature OR History sequence)</td>
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<tr>
<td>• PSY 200 - General Psychology</td>
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</tr>
<tr>
<td>• History, Social, or Behavioral Science</td>
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<tr>
<th>Area V – Pre-Professional, Pre-Major and Electives¹:</th>
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<tbody>
<tr>
<td>• ORI 101 - Orientation to College</td>
<td>1</td>
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<tr>
<td>• CIS 146 – Microcomputer Applications</td>
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</tr>
<tr>
<td>• Mathematics (MTH 110 and above - Excludes MTH 116) RECOMMENDED:</td>
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</tr>
<tr>
<td>MTH 110 - Finite Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MTH 131 - Mathematics in General Education I</td>
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<tr>
<td>MTH 132 - Mathematics in General Education II</td>
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Choose 4 hours of non-biological science approved electives from the following:

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<tr>
<th>Course</th>
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<th>Term Completed</th>
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<tbody>
<tr>
<td>CHM 104 - Intro to Inorganic Chemistry</td>
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<tr>
<td>CHM 105 - Intro to Organic Chemistry</td>
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<tr>
<td>CHM 111 - College Chemistry I</td>
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<tr>
<td>CHM 112 - College Chemistry II</td>
<td>4</td>
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<tr>
<td>GEO 101 - Principles of Physical Geography</td>
<td>3</td>
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<tr>
<td>PHS 111 - Physical Science I</td>
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<td></td>
</tr>
<tr>
<td>PHS 112 - Physical Science II</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>PHY 201 - General Physics I Trig Based</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>PHY 202 - General Physics II Trig Based</td>
<td>4</td>
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</tr>
</tbody>
</table>

Total Hours Required for Degree: 60-64

NOTICE(s): ¹Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at http://stars.troy.edu/ and the degree requirements of the intended transfer institution.
Emergency Medical Services A.A.S.

Advisors – East Broad Campus and McClellan Center: Patrick T. Brown, (256.549.8654) pbrown@gadsdenstate.edu; John Hollingsworth, (256.439.6814) jhollingsworth@gadsdenstate.edu; Pam Talley, (256.549.8689) ptalley@gadsdenstate.edu

<table>
<thead>
<tr>
<th>STUDENT PROGRESS</th>
<th>Grade</th>
<th>Term Completed</th>
</tr>
</thead>
</table>

Area I – Written Composition: .......................................................... 6
- ENG 101 - English Composition I .................................................. 3
- ENG 102 - English Composition II ................................................ 3

Area II – Humanities and Fine Arts: ...................................................... 3
- Speech ................................................................................................. 3

Area III – Natural Sciences and Mathematics: .................................... 11
- BIO 201 - Human Anatomy and Physiology I OR
- BIO 271 Human Gross Anatomy/Pathophysiology ............................ 4
- BIO 202 - Human Anatomy and Physiology II ................................. 4
- MTH 100 - Intermediate College Algebra ......................................... 3

Area IV – History, Social and Behavioral Sciences: ............................ 3
- PSY 200 - General Psychology ......................................................... 3

Area V – Professional, Major and Elective Courses: ........................... 53

In lieu of CIS 146, competency in basic use of computers is demonstrated by extensive use of computers as required in labs and clinicals.

- EMS 118 - Emergency Medical Technician Clinical .......................... 9
- EMS 119 - Emergency Medical Technician Clinical .......................... 1
- EMS 155 - Advanced Emergency Medical Technician ..................... 8
- EMS 156 - Advanced Emergency Medical Technician Clinical .. 2
- EMS 240 - Paramedic Operations ..................................................... 2
- EMS 241 - Paramedic Cardiology ..................................................... 3
- EMS 242 - Paramedic Patient Assessment ........................................ 3
- EMS 243 - Paramedic Pharmacology ................................................ 1
- EMS 244 - Paramedic Clinical I .................................................... 1
- EMS 245 - Paramedic Medical Emergencies .................................... 3
- EMS 246 - Paramedic Trauma Management ..................................... 3
- EMS 247 - Paramedic Special Populations ...................................... 2
- EMS 248 - Paramedic Clinical II ..................................................... 3
- EMS 253 - Paramedic Transition to the Workforce ......................... 2
- EMS 254 - Advanced Competencies for Paramedics ..................... 2
- EMS 255 - Paramedic Field Preceptorship ...................................... 5
- EMS 256 - Paramedic Team Leadership ......................................... 1

**Approved Area V Electives**
- EMS 100 - Cardiopulmonary Resuscitation I ................................ 1
- EMS 107 - Emergency Vehicle Operator Ambulance .................... 1

Total Hours Required for Degree: ...................................................... 76

**NOTICE(s)**
- Either BIO 201, BIO 271, or EMS 189 must be taken as a prerequisite for 1st semester paramedic. Limitations apply. See Advisor
- BIO 271 can be substituted for BIO 201 in the degree requirements. Limitations Apply. See Advisor
- MTH 100, ENG 101 plus additional four general education hours required prior to 3rd semester. See Advisor

Gadsden State awards institutional certificates in EMT, Advanced EMT and in Paramedic. The student should see an EMS advisor for details. Subject to change due to statewide standardization of Emergency Medical Services program(s). Gadsden State's EMS Program follows the Alabama Community College System Standardized Curriculum.
## English Transfer Guide

**Advisors – Ayers Campus:** Beth Gray (256.835.5468) bgray@gadsdenstate.edu;  
**McClellan Center:** Julian Thornton (256.238.9350) jthornton@gadsdenstate.edu;  
**Wallace Drive Campus:** Tabitha Bozeman (256.549.8279) tbozeman@gadsdenstate.edu

<table>
<thead>
<tr>
<th>STUDENT PROGRESS</th>
<th>Grade</th>
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</thead>
<tbody>
<tr>
<td><strong>Area I – Written Composition:</strong></td>
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<tr>
<td>• ENG 101 - English Composition I</td>
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<td>• ENG 102 - English Composition II</td>
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<tr>
<td><strong>Area II – Humanities and Fine Arts</strong>:</td>
<td>12</td>
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<tr>
<td>• Literature (REQUIRED: Literature OR History sequence)</td>
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<tr>
<td>• Fine Arts</td>
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<td>• Speech</td>
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<tr>
<td>• Humanities, Fine Arts, Literature OR Speech</td>
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<tr>
<td><strong>Area III – Natural Sciences and Mathematics</strong>:</td>
<td>11</td>
<td></td>
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<tr>
<td>• MTH 110 - Finite Mathematics OR MTH 112 - Precalculus Algebra OR Higher level Math</td>
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</tr>
<tr>
<td>• Natural Science and Lab</td>
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</tr>
<tr>
<td><strong>Area IV – History, Social and Behavioral Sciences</strong>:</td>
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<tr>
<td>• History (REQUIRED: Literature OR History sequence)</td>
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<td><strong>Area V – Pre-Professional, Pre-Major and Electives</strong>:</td>
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<tr>
<td>• ORI 101 - Orientation to College</td>
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<td>• CIS 146 - Microcomputer Applications OR Higher CIS elective</td>
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<tr>
<td>• English electives</td>
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<td>• Electives</td>
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<td><strong>Total Hours Required for Degree:</strong></td>
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**NOTICE(s):** 1) Students should consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu](http://stars.troy.edu) and the degree requirements of the intended transfer institution.
Entrepreneurship

Advisor – Wallace Drive Campus: Angela Waits (256.549.8342) awaits@gadsdenstate.edu

STUDENT PROGRESS

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Grade</th>
<th>Term Completed</th>
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<tr>
<td>ORI 101 - Orientation to College</td>
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<tr>
<td>ETP 265 – Entrepreneurial Marketing</td>
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<td>ETP 266 - Entrepreneurial Finance</td>
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<td></td>
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<tr>
<td>ETP 267 - Innovation and Creativity</td>
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<td></td>
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<tr>
<td>ETP 268 - Business Planning</td>
<td></td>
<td></td>
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<tr>
<td>ETP 279 - Small Business Management</td>
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</tbody>
</table>

Total Hours Required for Certificate: ......................................... 16

Notice(s): This program is designed to help students learn entrepreneurship skills in order to establish, develop and sustain small business ventures.
Financial Planning and Counseling Transfer Guide

Advisors - Ayers Campus: Alison Hollingsworth (256.835.5415) ahollingsworth@gadsdenstate.edu
Brent Wright (256.835.5475) bwright@gadsdenstate.edu;
McClellan Center: Brent Wright (256.238.9359) bwright@gadsdenstate.edu;
Wallace Drive Campus: Jamie Payton (256.549.8347) jpayton@gadsdenstate.edu;
James Yohe (256.439.6859) jyohe@gadsdenstate.edu

Area I – Written Composition: .................................................................6
  • ENG 101 - English Composition I ................................................. 3
  • ENG 102 - English Composition II .............................................. 3

Area II – Humanities and Fine Arts1: ..................................................12
  • Literature (REQUIRED: Literature OR History sequence)........... 3
  • Fine Arts .................................................................................. 3
  • Speech ..................................................................................... 3
  • Humanities, Fine Arts, Literature OR Speech ............................. 3

Area III – Natural Sciences and Mathematics1: ..................................11
  • MTH 112 - Precalculus Algebra .................................................. 3
  Students must take a two-course sequence in biology, chemistry, or physics, to be selected from the following courses:
  • BIO 103 - Principles of Biology I
  • BIO 104 - Principles of Biology II OR
  • CHM 111 - College Chemistry I
  • CHM 112 - College Chemistry II OR
  • PHY 213 - General Physics with Calculus I ............................... 4
  • PHY 214 - General Physics with Calculus .................................. 4

Area IV - History, Social and Behavioral Sciences1: ............................12
  • History (REQUIRED: Literature OR History sequence)............. 3
  • ECO 231 - Principles of Macroeconomics ................................. 3
  • ECO 232 - Principles of Microeconomics ................................. 3
  • PSY 200 - General Psychology .................................................. 3

Area V – Pre-Professional, Pre-Major and Electives1: ........................19-22
  • ORI 101 - Orientation to College ............................................. 1
  • BUS 241 - Principles of Accounting I ..................................... 3
  • BUS 242 - Principles of Accounting II .................................. 3
  • BUS 263 - The Legal and Social Environment of Business ...... 3
  • BUS 271 - Business Statistics I ............................................. 3
  • BUS 272 - Business Statistics II ............................................ 3
  • CIS 146 - Microcomputer Applications .................................. 3
  • MTH 120 - Calculus and Its Applications ............................... 3
  2CSM 201 - Individual and Family Resource Management ...........
  2CSM 204 - Introduction to Personal Financial Planning ...........

Total Hours Required for Degree: ...................................................... 60-63

NOTICE(s): 1 Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at http://stars.troy.edu/ and the degree requirements of the intended transfer institution.
2CSM 201 (Individual and Family Resource Management) and CSM 204 (Introduction to Personal Financial Planning) are offered as online (Internet) courses by the University of Alabama. They are not parts of the Gadsden State A.S. degree requirements; however, they are required by UA.
This program, offered in partnership with the University of Alabama (UA), is designed for students who intend to complete a baccalaureate degree in Consumer Sciences with a concentration in Family Financial Planning and Counseling at UA. All junior- and senior-level courses for the baccalaureate degree will be offered as online courses by the University of Alabama. The baccalaureate degree program prepares students to work as financial planners; as financial advisors; or as extension educators in banks, insurance companies, social service agencies, or investment companies. Completion of the baccalaureate program qualifies students to sit for the Certified Financial Planner ® Certification Examination.

CFP and Certified Financial Planner are federally registered marks of the Certified Financial Planner Boards of Standards Inc. (CFP Board). Neither Gadsden State Community College nor the University of Alabama awards the CFP and Certified Financial Planner designation. The right to use the marks CFP and Certified Financial Planner is granted by the CFP Board to those persons who have met its rigorous educational standards, who have passed the CFP Certification Examination, who have satisfied a work experience requirement, and who have agreed to abide by the CFP Board’s Code of Ethics and Professional Responsibility. Only persons registered with the CFP Board are permitted to sit for the CFP Certification Examination. CFP Certificates and licenses are issued only by the CFP Board.
General Studies Transfer Guide

Advisors – Ayers Campus: Beth Gray (256.835.5468) bgray@gadsdenstate.edu; Lila Gearhart, (256.832.1202) lgearhart@gadsdenstate.edu; East Broad Campus: Matthew Burttram, (256.549.8646) mburttram@gadsdenstate.edu; Gadsden State Cherokee: Chad Steed, (256.927.1802) csteed@gadsdenstate.edu; McClellan Center: Cindy Greer, (256.238.9348) cgreer@gadsdenstate.edu; Wallace Drive Campus: Dana Davis (256.549.8350) dda@gadsdenstate.edu; Kathy Gillison-Parker (256.549.8655) kparker@gadsdenstate.edu; Janekia Mitchell (256.549.8212) jmitchell@gadsdenstate.edu

STUDENT PROGRESS

<table>
<thead>
<tr>
<th>Area I – Written Composition:</th>
<th>Grade</th>
<th>Term Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101 - English Composition I</td>
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<tr>
<td>ENG 102 - English Composition II</td>
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<tr>
<th>Area II – Humanities and Fine Arts¹:</th>
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<tbody>
<tr>
<td>Literature (REQUIRED: Literature OR History sequence)</td>
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<tr>
<td>Fine Arts</td>
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<td>Speech</td>
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<tr>
<td>Humanities, Fine Arts, Literature OR Speech</td>
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<table>
<thead>
<tr>
<th>Area III – Natural Sciences and Mathematics¹:</th>
<th>Grade</th>
<th>Term Completed</th>
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<tbody>
<tr>
<td>MTH 112 - Precalculus Algebra OR Higher level Math</td>
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<tr>
<td>Natural Science and Lab</td>
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<table>
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<tr>
<th>Area IV – History, Social and Behavioral Sciences¹:</th>
<th>Grade</th>
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<tbody>
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<tr>
<th>Area V – Pre-Professional, Pre-Major and Electives¹:</th>
<th>Grade</th>
<th>Term Completed</th>
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<tbody>
<tr>
<td>ORI 101 - Orientation to College</td>
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<td>CIS 146 - Microcomputer Applications OR Higher CIS elective</td>
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<td>Electives</td>
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Total Hours Required for Degree: 60-64

NOTICE(s): ¹Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu](http://stars.troy.edu) and the degree requirements of the intended transfer institution.
# Health Information Technology Management Short-Term Certificate

**Advisors – Ayers Campus:** Glenda Copeland (256.835.5446) gcoplanc@gadsdenstate.edu  
**Wallace Drive Campus:** Fay Scott (256.439.6876) fscott@gadsdenstate.edu;  
Larrhea Sims (256.439.6904) lsims@gadsdenstate.edu

## Student Progress

<table>
<thead>
<tr>
<th>Grade</th>
<th>Term Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</table>

### Area V—Professional, Major and Elective Courses: ………………………… 25
- ORI 101 – Orientation to College ……………………………… 1
- BIO 120 – Medical Terminology………………………………… 3
- HIT 134 – HIT Legal and Ethical Issues……………………… 3
- HIT 151 – Health Data Content and Structure …………………… 3
- HIT 153 – Health Care Delivery Systems …………………….. 2
- HIT 230 – Medical Coding Systems I …………………………… 3
- HIT 231 – Medical Coding Skills Laboratory ………………….. 1
- HIT 254 – Organization Improvement………………………… 3
- HIT 295 – Special Topics in HIT III ……………………………… 3
- OAD 217 – Office Management ………………………………….. 1

**Total Hours Required for Certificate:** ……………………………………… 25
## Health, Physical Education, Recreation Transfer Guide

**Advisors - Wallace Drive Campus:** Mike Cancilla (256.549.8311) mcancilla@gadsdenstate.edu

### STUDENT PROGRESS

<table>
<thead>
<tr>
<th>Grade</th>
<th>Term Completed</th>
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<table>
<thead>
<tr>
<th>Area</th>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>Area I – Written Composition:</strong></td>
<td>ENG 101 - English Composition I</td>
<td>3</td>
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<td></td>
<td>ENG 102 - English Composition II</td>
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<tr>
<td><strong>Area II – Humanities and Fine Arts:</strong></td>
<td>Literature (REQUIRED: Literature OR History sequence)</td>
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</tr>
<tr>
<td></td>
<td>Fine Arts</td>
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<td>Speech</td>
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<tr>
<td></td>
<td>Humanities, Fine Arts, Literature OR Speech</td>
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</tr>
<tr>
<td><strong>Area III – Natural Sciences and Mathematics:</strong></td>
<td>MTH 110 - Finite Mathematics OR MTH 112 - Precalculus Algebra OR Higher level Math</td>
<td>3</td>
</tr>
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<td></td>
<td>Natural Science and Lab</td>
<td>8</td>
</tr>
<tr>
<td><strong>Area IV – History, Social and Behavioral Sciences:</strong></td>
<td>History (REQUIRED: Literature OR History sequence)</td>
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</tr>
<tr>
<td></td>
<td>PSY 200 - General Psychology</td>
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<td><strong>Area V – Pre-Professional, Pre-Major and Electives:</strong></td>
<td>ORI 101 - Orientation to College</td>
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<tr>
<td></td>
<td>BIO 201 - Human Anatomy and Physiology I</td>
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<td></td>
<td>BIO 202 - Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>CIS 146 - Microcomputer Applications</td>
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<tr>
<td></td>
<td>HED 224 - Personal and Community Health</td>
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<td>PED 100 - Fundamentals of Fitness</td>
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<td>PHS 111 - Physical Science I</td>
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</tbody>
</table>

**Total Hours Required for Degree:** 60-64

**NOTICE(s):**

1. Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu/](http://stars.troy.edu/) and the degree requirements of the intended transfer institution.
# History/History Education Transfer Guide

**Advisors - Ayers Campus:** Todd Hamilton (256.835.5439) [thamilton@gadsdenstate.edu](mailto:thamilton@gadsdenstate.edu);
McClellan Center: Kelley Haynes-Pearce (256.238.9357) [khaynes@gadsdenstate.edu](mailto:khaynes@gadsdenstate.edu);
Wallace Drive Campus: Richard Dobbs (256.549.8495) [rdobbs@gadsdenstate.edu](mailto:rdobbs@gadsdenstate.edu);

## STUDENT PROGRESS

<table>
<thead>
<tr>
<th>Grade</th>
<th>Term Completed</th>
</tr>
</thead>
</table>

### Area I – Written Composition: ................................................................. 6
- ENG 101 - English Composition I ....................................................... 3
- ENG 102 - English Composition II ..................................................... 3

### Area II – Humanities and Fine Arts1: ...................................................... 12
- Literature (REQUIRED: Literature OR History sequence) ........................ 3
- Fine Arts .............................................................................................. 3
- Speech ................................................................................................. 3
- Humanities, Fine Arts, Literature OR Speech ..................................... 3

### Area III – Natural Sciences and Mathematics1: ....................................... 11
- MTH 110 - Finite Mathematics OR
  MTH 112 - Precalculus Algebra OR Higher level Math .......................... 3
- Natural Science and Lab ....................................................................... 8

### Area IV – History, Social and Behavioral Sciences1: .................................. 12
- History (REQUIRED: Literature OR History sequence) ....................... 6
- History, Social, or Behavioral Science ............................................... 6

### Area V – Pre-Professional, Pre-Major and Electives1: ............................... 23
- ORI 101 - Orientation to College ......................................................... 1
- CIS 146 - Microcomputer Applications ............................................... 3
- ECO 231 - Principles of Macroeconomics OR
  ECO 232 - Principles of Microeconomics ........................................... 3
- GEO 100 – World Regional Geography ............................................... 3
- HIS 101 - Western Civilization I and
- HIS 102 - Western Civilization II
  OR
  HIS 201 - United States History I and ............................................. 3
  HIS 202 - United States History II .................................................... 3
- SOC 200 - Intro to Sociology .............................................................. 3
- Foreign Language course (contact transfer institution) .......................  

**Total Hours Required for Degree:** .................................................................. 60-64

**NOTICE(s):** 1 Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu](http://stars.troy.edu) and the degree requirements of the intended transfer institution.
# Human Services A.A.S.

**Advisor – Wallace Drive Campus:** Tina Whittington (256.549.8476) twhittington@gadsdenstate.edu

<table>
<thead>
<tr>
<th>Area</th>
<th>Course Details</th>
<th>Credits</th>
<th>Grade</th>
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<td>MTH 116 - Mathematical Applications OR Higher level Math</td>
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<td>CIS 146 - Microcomputer Applications</td>
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<td>Natural Science and Lab</td>
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<td>PSY 200 - General Psychology</td>
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<td></td>
<td>HUS 101 - Introduction to Human Services</td>
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<td>HUS 102 - Introduction to Casework</td>
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<td>HUS 112 - Activity Therapy</td>
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<td>HUS 211 - Introduction: Alcohol and Drug Prevention and Abuse</td>
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<td>HUS 222 - Group Counseling Techniques</td>
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<td>HUS 223 - Guidance and Counseling Techniques</td>
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<td>HUS 225 - Clinical Internship II</td>
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<td>HUS 226 - Clinical Internship III</td>
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<td>HED 231 - First Aid</td>
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<td>HUS 110 - Special Education Issues and Interventions</td>
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<td>HUS 113 - Group Dynamics</td>
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<td>HUS 131 - Problems of Children and Youth</td>
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<td>HUS 133 - Geriatrics</td>
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<td>HUS 138 - Counseling from a Cultural Perspective OR HUS 212 - Prevention Resources in Drug and Alcohol Abuse</td>
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<td>HUS 214 - Working with the Chemically Dependent</td>
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<td>HUS 215 - Working with the Family of the Chemically Dependent</td>
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<td>HUS 216 – Relapse Prevention</td>
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<td>HUS 217 - Alcoholism and Drug Abuse Seminar</td>
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**Total Hours Required for Degree:** | | 71 | | |
Technical Specialty:

Courses listed below are required.

Area I — Written Composition:
- ENG 101 - English Composition I 
  Grade: 3  Term Completed: ___

Area II — Humanities and Fine Arts:
- SPH 106 - Fundamentals of Oral Communication OR
- SPH 107 - Fundamentals of Public Speaking OR
- SPH 116 - Introduction to Interpersonal Communication 
  Grade: 3  Term Completed: ___
- Humanities and Fine Arts Elective 
  Art, Art History, Foreign Language, Humanities, Music, Philosophy, Religion, Speech, Theater, or Dance.
  Grade: 3  Term Completed: ___

Area III — Natural Science or Mathematics:
- MTH 100 - Intermediate College Algebra OR
- numerically higher 
  Grade: 3  Term Completed: ___
- CIS 146 - Microcomputer Applications 
  Grade: 3  Term Completed: ___
- MDT 105 - Introduction to Computer-Aided Design (CAD) OR
- DDT 104 – Basic Computer Aided Drafting and Design OR
- Mathematics, Computer Science, or Natural Science Elective .
  Grade: 3  Term Completed: ___

Area IV — History, Social and Behavioral Sciences:
- Economics, Geography, History, Political Science, Psychology, or Sociology
  Grade: 3  Term Completed: ___
- ORI 101 - Orientation to College
  Grade: 1  Term Completed: ___

Area V — Technical Courses:

Courses listed below are required.
- EET 100 - Introduction to Engineering Technologies
  Grade: 3  Term Completed: ___
- EET 109 - Electrical Blueprint Reading I
  Grade: 3  Term Completed: ___
- ELT 110 - Wiring Methods
  Grade: 3  Term Completed: ___
- INT 101 - DC Fundamentals OR
- EET 103 - DC Fundamentals
  Grade: 3  Term Completed: ___
- INT 103 - AC Fundamentals OR
- EET 104 - AC Fundamentals
  Grade: 3  Term Completed: ___
- INT 104 - Principles of Technology
  Grade: 3  Term Completed: ___
- INT 113 - Industrial Motor Control I
  Grade: 3  Term Completed: ___
- INT 117 - Principles of Industrial Mechanics
  Grade: 3  Term Completed: ___
- INT 118 - Fundamentals of Industrial Hydraulics and Pneumatics
  Grade: 3  Term Completed: ___
- INT 184 - Introduction to Programmable Logic Controllers OR
- ELT 231 - Introduction to Programmable Controllers
  Grade: 3  Term Completed: ___

Technical Specialty:
- INT 126 - Preventive Maintenance
  Grade: 3  Term Completed: ___
- INT 127 - Principles of Industrial Pumps and Piping Systems
  Grade: 3  Term Completed: ___
- INT 128 - Principles of Industrial Environmental Controls
  Grade: 3  Term Completed: ___
- INT 134 - Principles of Industrial Maintenance Welding and Metal Cutting Techniques
  Grade: 3  Term Completed: ___
- INT 139 – Introduction to Robotic Programming
  Grade: 3  Term Completed: ___
- INT 153 - Precision Machining Fundamentals I
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<td>INT 206</td>
<td>Industrial Motors I ......................................</td>
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<td>INT 211</td>
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<td>INT 252</td>
<td>Variable Speed Motor Drives ................................</td>
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<td>INT 253</td>
<td>Industrial Robotics ........................................</td>
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<td>INT 280</td>
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<td>INT 291</td>
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<td>INT 293</td>
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<td>ELT 114</td>
<td>Residential Wiring Methods ................................</td>
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<td>ELT 115</td>
<td>Residential Wiring Methods II ................................</td>
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<td>ELT 117</td>
<td>AC/DC Machines............................................</td>
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<td>ELT 118</td>
<td>Commercial/Industrial Wiring I OR INT 158 - Industrial</td>
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<td>Wiring I ....................................................</td>
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<td>ELT 122</td>
<td>Advanced AC/DC Machines ..................................</td>
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<td>ELT 183</td>
<td>Special Topics in Electrical Technology - NCCER</td>
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<td>ELT 244</td>
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<td>ACR 111</td>
<td>Principles of Refrigeration ................................</td>
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<td>ACR 112</td>
<td>HVACR Service Procedures ..................................</td>
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*Required Courses

Total Hours Required for Degree: .................................................. 76

NOTICE(s): For the A.A.S. Degree in Industrial Automation Technology, the student must complete a minimum of 76 credit hours – a minimum of 54 in technical courses and a minimum of 22 in general education courses – all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student’s major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.
## Industrial Automation Technology Certificate

**Advisors – Ayers Campus:** Tony Thrower, Electrical Building (256.835.5441) tthrower@gadsdenstate.edu;  
**East Broad Campus:** Jack Mayfield, Industrial Automation Building (256.549.8637) jmayfield@gadsdenstate.edu

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<td>INT 103 - AC Fundamentals</td>
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<td>INT 113 - Industrial Motor Control I</td>
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<tr>
<td>* INT 117 - Principles of Industrial Mechanics</td>
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<td>* INT 118 - Fundamentals of Industrial Hydraulics and Pneumatics</td>
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<td>* INT 126 - Preventive Maintenance</td>
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<td>* INT 127 - Principles of Industrial Pumps and Piping Systems</td>
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<td>INT 180 - Special Topics</td>
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<td>INT 184 - Introduction to Programmable Logic Controllers OR ELT 231 - Introduction to Programmable Controllers</td>
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<td>* EET 100 - Introduction to Engineering Technologies</td>
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<tr>
<td>ELT 110 - Wiring Methods</td>
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<td>* ELT 118 - Commercial/Industrial Wiring I OR INT 158 - Industrial Wiring I</td>
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<td>ACR 111 - Principles of Refrigeration</td>
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<td>ACR 112 - HVACR Service Procedures</td>
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<td>DDT 104 - Basic Computer Aided Drafting and Design OR Mathematics, Computer Science, or Natural Science Elective OR MDT 105 - Introduction to Computer-Aided Design (CAD)</td>
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Please see Industrial Automation Technology A.A.S. Area V for available courses.

*Required Courses

**Total Hours Required for Certificate:** 43

**NOTICE(s):** For the certificate in Industrial Automation Technology, the student must complete at least 43 credit hours – at least 30 in technical courses and at least 13 in general education courses – all of which must be approved by the advisor. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED.
Industrial Automation Technology Short-Term Certificate

Advisors – Ayers Campus: Tony Thrower, Electrical Building (256.835.5441) tthrower@gadsdenstate.edu
East Broad Campus: Jack Mayfield, Industrial Automation Building (256.549.8637) jmayfield@gadsdenstate.edu

STUDENT PROGRESS

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<td>• INT 117 - Principles of Industrial Mechanics.......................................................... 3</td>
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<td>• EET 109 - Electrical Blueprint Reading I................................................................. 3</td>
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<td>• ELT 118 - Commercial/Industrial Wiring I OR INT 158 - Industrial Wiring I ..................</td>
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<td>• ORI 101 - Orientation to College ............................................................................... 1</td>
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Total Hours Required for Certificate: ........................................................................ 28

NOTICE(s): For the short-term certificate in Industrial Automation Technology, the student must complete 28 credit hours from the courses listed above. All courses must be approved by the advisor. Admission Requirement: High school diploma or GED.
Legal Transcriptionist Short-Term Certificate

Advisors – Ayers Campus: Glenda Copeland (256.835.5446) gcopeland@gadsdenstate.edu
Wallace Drive Campus: Fay Scott (256.439.6876) fscott@gadsdenstate.edu;
Larrhea Sims (256.439.6904) lsims@gadsdenstate.edu

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<td>• ORI 101 - Orientation to College.......................... 1</td>
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<td>• BUS 215 - Business Communication............................. 3</td>
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<td>• BUS 263 - The Legal and Social Environment of Business ...... 3</td>
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<td>• OAD 101 - Beginning Keyboarding............................ 3</td>
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<td>• OAD 104 - Advanced Keyboarding.............................. 3</td>
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<td>• OAD 125 - Word Processing......................................... 3</td>
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<td>• OAD 200 - Machine Transcription.................................. 3</td>
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<td>• OAD 202 - Legal Transcription ................................... 3</td>
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Total Hours Required for Certificate: ........................................ 25
# Liberal Arts Transfer Guide

**Advisors – Ayers Campus:** Beth Gray (256.835.5468) bgray@gadsdenstate.edu;  
**McClellan Center:** Julian Thornton (256.238.9350) jthornton@gadsdenstate.edu;  
**Wallace Drive Campus:** Tabitha Bozeman (256.549.8279 tbozeman@gadsdenstate.edu)

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## Area I – Written Composition: ................................................................. 6
- ENG 101 - English Composition I ........................................... 3
- ENG 102 - English Composition II ....................................... 3

## Area II – Humanities and Fine Arts\(^1\): ..................................................... 12
- Literature (REQUIRED: Literature OR History sequence)........ 3
- Fine Arts .................................................................................. 3
- Speech ...................................................................................... 3
- Humanities, Fine Arts, Literature OR Speech...................... 3

## Area III – Natural Sciences and Mathematics\(^1\): ........................................ 11
- MTH 112 - Precalculus Algebra OR Higher level Math............. 3
- Natural Science and Lab......................................................... 8

## Area IV – History, Social and Behavioral Sciences\(^1\): .................................. 12
- History (REQUIRED: Literature OR History sequence)............ 3
- History, Social, or Behavioral Science.................................. 3
- Social and Behavioral Sciences.............................................. 3

## Area V – Pre-Professional, Pre-Major and Electives\(^1\): ................................ 19-23
- ORI 101 - Orientation to College............................................. 1
- CIS 146 - Microcomputer Applications OR Higher CIS elective. 3
- Electives .................................................................................. 15-19

**Total Hours Required for Degree:** ......................................................... 60-64

**NOTICE(s):**  
*Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu](http://stars.troy.edu) and the degree requirements of the intended transfer institution.*
Licensed Practical Nursing Certificate*

Advisors – Wallace Drive Campus and Valley Street Campus: Pam Mayo (256.549.8257) pmayo@gadsdenstate.edu; Ayers Campus and McClellan Center: Kim Sonnberger (256.238.9367) ksonnberger@gadsdenstate.edu; Gadsden State Cherokee: Chad Steed (256.927.1802) csteed@gadsdenstate.edu

STUDENT PROGRESS

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<td>NUR 103 - Health Assessment</td>
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<td>NUR 105 - Adult Nursing</td>
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<td>NUR 106 - Maternal and Child Nursing</td>
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<td>NUR 107 - Adult/Child Nursing</td>
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<td>NUR 108 - Psychosocial Nursing</td>
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<td>NUR 109 - Role Transition for the Practical Nurse</td>
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</table>

Total Hours Required for Certificate: 49

NOTICE(s): “Comprehensive Assessment Plan” must be completed.
Gadsden State Nursing Program follows the Alabama Community College System Standardized Curriculum.

*Subject to change…The Alabama Community College System is currently revising the nursing curriculum and is finalizing a One Plus One Concepts Curriculum. A draft of the proposed changes can be seen at https://www.accs.cc/index.cfm/workforce-development/career-technical-education/health-programs.
# Machine Tool Technology A.A.S.

**Advisors – Ayers Campus:** Steve Caldwell, Machine Tool Building (256.835.5417) scaldwell@gadsdenstate.edu;  
**East Broad Campus:** David Smith, Machine Technology Building (256.549.8644) dsmith@gadsdenstate.edu;  
Jeff Gaither, Machine Technology Building jgaither@gadsdenstate.edu

---

## Written Composition:
- ENG 101 - English Composition I .................................. 3

## Humanities and Fine Arts:
- SPH 106 - Fundamentals of Oral Communication **OR**  
  SPH 107 - Fundamentals of Public Speaking **OR**  
  SPH 116 - Introduction to Interpersonal Communication .......... 3
- Humanities and Fine Arts Elective  
  Art, Art History, Foreign Language,  
  Humanities, Music, Philosophy, Religion, Speech, Theater,  
  or Dance............................................................................. 3

## Natural Science or Mathematics:
- MTH 100 - Intermediate College Algebra **OR**  
  numerically higher................................................................ 3  
- CIS 146 - Microcomputer Applications...................................... 3
- MDT 105 - Introduction to Computer-Aided Design (CAD) **OR**  
  DDT 104 – Basic Computer Aided Drafting and Design **OR**  
  Mathematics, Computer Science, or Natural Science  
  Elective ................................................................................ 3

## History, Social and Behavioral Sciences:
- Economics, Geography, History,  
  Political Science, Psychology, or Sociology.......................... 3
- ORI 101 - Orientation to College..................................... 1

## Technical Courses:
- MTT 107 - Machining Calculations I **OR**  
  EET 100 - Introduction to Engineering Technologies .......... 3
- MTT 121 - Basic Print Reading for Machinists.................... 3
- MTT 127 - Metrology......................................................... 3
- MTT 147 - Introduction to Machine Shop I ......................... 3
- MTT 148 - Introduction to Machine Shop I Lab.................... 3
- MTT 149 - Introduction to Machine Shop II .......................... 3
- MTT 150 - Introduction to Machine Shop II Lab.................... 3
- INT 104 - Principles of Technology................................. 3

## Technical Specialty:
- MTT 109 - Orientation to Computer Assisted Manufacturing.... 3
- MTT 123 - Engine Lathe Lab I ......................................... 3
- MTT 124 - Engine Lathe Lab II ........................................ 3
- **MTT 128 - Geometric Dimensioning and Tolerancing I** .... 3
- MTT 134 - Lathe Operations I......................................... 3
- MTT 137 - Milling I .......................................................... 3
- MTT 138 - Milling I Lab .................................................... 3
- **MTT 139 - Basic Computer Numerical Control** ............... 3

---

## Student Progress Table

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**Click on any link to be taken to that entry**

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2015-2016 Catalog and Student Handbook

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146
**STUDENT PROGRESS**

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<th>Course Code</th>
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<td>Metallurgy</td>
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<td>Special Topics in Machine Tool Technology</td>
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<tr>
<td>MTT 202</td>
<td>Machine Maintenance and Repair</td>
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<td>MTT 219</td>
<td>Computer Numerical Control Graphics: Turning</td>
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<td>Computer Numerical Control Graphics: Milling</td>
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<td>Advanced Blueprint Reading for Machinists</td>
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<td>MTT 241</td>
<td>CNC Milling Lab I</td>
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<td>MTT 243</td>
<td>CNC Turning Lab I</td>
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<td>MTT 281</td>
<td>Special Topics in Machine Tool Technology</td>
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<td>MTT 291</td>
<td>Cooperative Education in Machine Tool Technology</td>
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<tr>
<td>MTT 292</td>
<td>Cooperative Education in Machine Tool Technology</td>
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*Required Courses*

**Total Hours Required for Degree:** 73

**NOTICE(s):** For the A.A.S. Degree in Machine Tool Technology, the student must complete a minimum of 73 credit hours—a minimum of 51 in technical courses and a minimum of 22 in general education courses—all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student's major advisor. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.
Machine Tool Technology Certificate

Advisors – Ayers Campus: Steve Caldwell, Machine Tool Building (256.835.5417) scaldwell@gadsdenstate.edu; East Broad Campus: David Smith, Machine Tool Technology Building (256.549.8644) dsmith@gadsdenstate.edu; Jeff Gaither, Machine Technology Building jgaither@gadsdenstate.edu

STUDENT PROGRESS

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<td>• ENG 101 - English Composition I .............................................</td>
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| • SPH 106 - Fundamentals of Oral Communication OR  
  SPH 107 - Fundamentals of Public Speaking OR  
  SPH 116 - Introduction to Interpersonal Communication........ | 3 |

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| • MTH 100 - Intermediate College Algebra OR  
  numerically higher............................................................................. | 3 |
| • CIS 146 - Microcomputer Applications........................................... | 3 |

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<th>Area IV—History, Social and Behavioral Sciences: .....................................</th>
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<td>• ORI 101 - Orientation to College..................................................</td>
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<td>• MTT 107 - Machining Calculations I ..............................................</td>
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<tr>
<td>• * MTT 121 - Basic Print Reading for Machinists .............................</td>
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<tr>
<td>• MTT 123 - Engine Lathe Lab I .........................................................</td>
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<td>• MTT 127 - Metrology........................................................................</td>
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</tr>
<tr>
<td>• MTT 128 - Geometric Dimensioning and Tolerancing I.....................</td>
<td>3</td>
</tr>
<tr>
<td>• MTT 134 - Lathe Operations I.........................................................</td>
<td>3</td>
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<tr>
<td>• MTT 137 - Milling I..........................................................................</td>
<td>3</td>
</tr>
<tr>
<td>• * MTT 139 - Basic Computer Numerical Control.............................</td>
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</tbody>
</table>
| • MTT 140 - Basic Computer Numerical  
  Control Turning Programming I......................................................... | 3 |
| • MTT 141 - Basic Computer Numeric Control  
  Milling Programming I......................................................................... | 3 |
| • * MTT 147 - Introduction to Machine Shop I................................... | 3 |
| • * MTT 148 - Introduction to Machine Shop I Lab ............................ | 3 |
| • MTT 149 - Introduction to Machine Shop II.................................... | 3 |
| • MTT 150 - Introduction to Machine Shop II Lab............................. | 3 |
| • MTT 154 - Metallurgy....................................................................... | 3 |
| • MTT 181 - Special Topics in Machine Tool Technology.................... | 3 |
| • MTT 221 - Advanced Blueprint Reading for Machinists.................... | 3 |

*Required Courses

Total Hours Required for Certificate: ......................................................... 45

NOTICE(s): For the certificate in Machine Tool Technology, the student must complete at least 45 credit hours—at least 32 in technical courses and at least 13 in general education courses. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.
# Machine Tool Technology - Basic CNC Technology Certificate

**Advisors - Ayers Campus:** Steve Caldwell, Machine Tool Building (256.835.5417) [scaldwell@gadsdenstate.edu](mailto:scaldwell@gadsdenstate.edu);  
**East Broad Campus:** David Smith, Machine Tool Technology Building (256.354.9644) [dsmith@gadsdenstate.edu](mailto:dsmith@gadsdenstate.edu);  
Jeff Gaither, Machine Tool Technology Building, [jgaither@gadsdenstate.edu](mailto:jgaither@gadsdenstate.edu)

### Required Courses:

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<td>MTT 139</td>
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<td>MTT 140</td>
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<td>MTT 141</td>
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<tr>
<td>MTT 219</td>
<td>Computer Numerical Control Graphics: Turning</td>
<td>3</td>
</tr>
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<td>MTT 220</td>
<td>Computer Numerical Control Graphics: Milling</td>
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<tr>
<td>MTT 241</td>
<td>CNC Milling Lab I</td>
<td>3</td>
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<td>MTT 243</td>
<td>CNC Turning Lab I</td>
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<tr>
<td>MTT 244</td>
<td>CNC Turning Lab II</td>
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<tr>
<td>MTT 281</td>
<td>Special Topics in Machine Tool Technology</td>
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<tr>
<td>MTT 282</td>
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<td>MTT 292</td>
<td>Cooperative Education in Machine Tool Technology</td>
<td>3</td>
</tr>
<tr>
<td>* ORI 101</td>
<td>Orientation to College</td>
<td>1</td>
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</tbody>
</table>

*Required Courses

### Total Hours Required for Certificate: 27

**NOTICE(s):** For the short-term certificate in CNC Technology, the student must complete a minimum of 27 credit hours from the courses listed above. All courses must be approved by the advisor. Admission Requirement: Completion of a Machine Tool Technology Certificate/Diploma or approval from an advisor. The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.
Machine Tool Technology - Basic Machine Tool Short-Term Certificate

Advisors – Ayers Campus: Steve Caldwell, Machine Tool Building (256.835.5417) scaldwell@gadsdenstate.edu
East Broad Campus: David Smith, Machine Technology Building (256.549.8644) dsmith@gadsdenstate.edu;
Jeff Gaither, Machine Technology Building jgaither@gadsdenstate.edu

STUDENT PROGRESS

<table>
<thead>
<tr>
<th>Grade</th>
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Required Courses:
- MTT 107 – Machining Calculations I ........................................ 3
- * MTT 121 - Basic Print Reading for Machinists .................. 3
- MTT 123 - Engine Lathe Lab I .................................................. 3
- MTT 127 - Metrology ................................................................. 3
- MTT 128 - Geometric Dimensioning and Tolerancing I .......... 3
- MTT 134 - Lathe Operations I ............................................... 3
- MTT 137 - Milling I ................................................................. 3
- MTT 138 - Milling I Lab ............................................................. 3
- MTT 139 - Basic Computer Numerical Control .................... 3
- MTT 140 - Basic Computer Numerical Control
  Turning Programming I ......................................................... 3
- MTT 141 - Basic Computer Numeric Control
  Milling Programming I .......................................................... 3
- * MTT 147 - Introduction to Machine Shop I ................. 3
- * MTT 148 - Introduction to Machine Shop I Lab ............... 3
- MTT 154 - Metallurgy ............................................................... 3
- MTT 181 - Special Topics in Machine Tool Technology ........ 3
- MTT 221 - Advanced Blueprint Reading for Machinists ....... 3
- * ORI 101 - Orientation to College ....................................... 1

*Required Courses

Total Hours Required for Certificate: ........................................... 27

NOTICE(s): For the short-term certificate in Machine Tool Technology, the student must complete a minimum of 27 credit hours from the courses listed above. All courses must be approved by the advisor. Admission Requirement: High school diploma or GED. The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.
**Marketing Management A.A.S.**

Advisor – Wallace Drive Campus: Jamie Payton (256.549.8347) jpayton@gadsdenstate.edu; Angela Waits (256.549.8342) awaits@gadsdenstate.edu; James Yohe (256.439.6859) jyohe@gadsdenstate.edu

### STANCE PROGRESS

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#### Area I – Written Composition: ................................................................. 6
- ENG 101 - English Composition I .......................................................... 3
- ENG 102 - English Composition II .......................................................... 3

#### Area II - Humanities and Fine Arts: ................................................ 6
- Speech ......................................................................................................... 3
- Humanities OR Fine Arts ........................................................................... 3

#### Area III – Natural Sciences and Mathematics: ............................. 9-10
- CIS 146 - Microcomputer Applications ..................................................... 3
- MTH 116 - Mathematical Applications ...................................................... 3
- CIS OR Natural Science ............................................................................. 3-4

#### Area IV – History, Social and Behavioral Sciences: ...................... 3
- PSY 200 - General Psychology ................................................................. 3

#### Area V – Pre-Professional, Pre-Major and Electives: ..................... 43
- ORI 101 - Orientation to College ............................................................. 1
- BUS 100 - Introduction to Business ......................................................... 3
- BUS 146 - Personal Finance ................................................................. 3
- BUS 186 - Elements of Supervision ....................................................... 3
- BUS 241 - Principles of Accounting I ..................................................... 3
- BUS 263 - The Legal and Social Environment of Business ................ 3
- BUS 276 - Human Resource Management ............................................. 3
- BUS 291 - Alternating Business Co-Op I OR BUS 296 - Business Internship I ................................................................. 3
- MKT 122 - Visual Merchandising .............................................................. 3
- MKT 123 - Fundamentals of Selling .......................................................... 3
- MST 209 - Physical Supply and Distribution Management .............. 3
- MKT 220 - Advertising and Sales Promotion ......................................... 3
- MKT 221 - Consumer Behavior ............................................................... 3
- MST 223 - Special Studies in Personnel Administration ..................... 3
- MST 225 - Special Studies in Business Management ........................... 3

Total Hours Required for Degree: ............................................................. 67-68
### Massage Therapy Short-Term Certificate

**Advisors – Wallace Drive Campus:** Laura Nelson (256.439.6916) [elnson@gadsdenstate.edu](mailto:elnson@gadsdenstate.edu);
Terri Rinehart (256.549.8320) [trinehart@gadsdenstate.edu](mailto:trinehart@gadsdenstate.edu)

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<td>• MSG 102 - Therapeutic Massage Lab I ......................</td>
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<td>• MSG 103 - Anatomy and Physiology ..........................</td>
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<td>• MSG 104 - Musculo-Skeletal and Kinesiology I ............</td>
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<tr>
<td>• MSG 105 - Therapeutic Massage Supervised Clinical I ....</td>
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<td>• MSG 108 – Foundations of Therapeutic Massage ............</td>
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<td>• MSG 200 - Business and Marketing Plans ..................</td>
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<td>• MSG 201 - Therapeutic Massage for Special Populations ...</td>
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<td>• MSG 202 - Therapeutic Massage Lab II .....................</td>
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<td>• MSG 203 - Pathology .......................................</td>
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**Total Hours Required for Certificate:** ............................................. 29

**NOTICE(s):** Admission Requirements: The student must have a high school diploma or GED and be at least 17 years of age. This program is offered on Wallace Drive Campus during the day.
## Mathematics/Mathematics Education Transfer Guide

**Advisors - Ayers Campus:** Candace Davis (256.835.1232) cdavis@gadsdenstate.edu; Ramona C. Harris (256.835.5447) rharris@gadsdenstate.edu; Cal Smith (256.835.5438) csmith@gadsdenstate.edu
**Gadsden State Cherokee:** Danny Wilborn (256.927.1825) dwilborn@gadsdenstate.edu
**McClellan Center:** Sara Wheeler (256.238.9353) swheeler@gadsdenstate.edu
**Wallace Drive Campus:** Lynette King (256.549.8490) lking@gadsdenstate.edu; Rhoda Oden (256.549.8494) roden@gadsdenstate.edu; Jesse Osborn (256.549.8405) josborn@gadsdenstate.edu; Tammy Potter Morgan (256.549.8485) tmorgan@gadsdenstate.edu; Esther Wilson (256.549.8493) ewilson@gadsdenstate.edu; Danny Wilborn-Inzer 112 (256.439.6912) dwilborn@gadsdenstate.edu

### STUDENT PROGRESS

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<td><strong>Area III – Natural Sciences and Mathematics:</strong></td>
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<td>Computer Science Course Elective</td>
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<td>MTH 125 - Calculus I</td>
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<td>MTH 126 - Calculus II</td>
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<td>MTH 227 - Calculus III</td>
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<td>Electives</td>
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**Total Hours Required for Degree:** 60-64

**NOTICE(s):**  
1. Students should consult with an advisor.  
2. Refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu](http://stars.troy.edu) and the degree requirements of the intended transfer institution.
**Mechanical Design Technology - Civil Engineering Technology**  
Degree/Mechanical Design Option A.A.S.

Advisor – East Broad Campus: James Wilson, Bevill Center (256.549.8659) jwilson@gadsdenstate.edu

<table>
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<td>• SPH 106 - Fundamentals of Oral Communication OR</td>
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<td>• SPH 107 - Fundamentals of Public Speaking OR</td>
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<tr>
<td>• SPH 116 - Introduction to Interpersonal Communication ................. 3</td>
</tr>
<tr>
<td>• Humanities and Fine Arts Elective</td>
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<tr>
<td>Art, Art History, Foreign Language,</td>
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<td>Humanities, Music, Philosophy, Religion, Speech, Theater,</td>
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<td>or Dance. ........................................................................................................... 3</td>
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<tr>
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<tr>
<td>• MTH 100 - Intermediate College Algebra OR</td>
</tr>
<tr>
<td>numerically higher .................................................................................. 3</td>
</tr>
<tr>
<td>• CIS 146 - Microcomputer Applications ................................................ 3</td>
</tr>
<tr>
<td>• MDT 105 - Introduction to Computer-Aided Design (CAD) OR</td>
</tr>
<tr>
<td>DDT 104 – Basic Computer Aided Drafting and Design OR</td>
</tr>
<tr>
<td>Mathematics, Computer Science, or Natural Science Elective .. 3</td>
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<thead>
<tr>
<th>Area IV - History, Social and Behavioral Sciences: ............................... 4</th>
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<tbody>
<tr>
<td>• Economics, Geography, History,</td>
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<tr>
<td>Political Science, Psychology, or Sociology ........................................ 3</td>
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<tr>
<td>• ORI 101 - Orientation to College ....................................................... 1</td>
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<table>
<thead>
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<th>Area V — Technical Courses: ................................................................. 21-24</th>
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<tr>
<td>The following courses are required.</td>
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<tr>
<td>• CET 100 - Engineering Blueprints ......................................................... 3</td>
</tr>
<tr>
<td>• CET 101 - Introduction to Engineering Technology ............................... 3</td>
</tr>
<tr>
<td>• MDT 105 - Introduction to Computer-Aided Design (CAD) .............. 3</td>
</tr>
<tr>
<td>• MDT 146 - AutoCAD CADD ................................................................. 3</td>
</tr>
<tr>
<td>• MDT 147 - Inventor CADD ................................................................. 3</td>
</tr>
<tr>
<td>• CET 215 - Statics ................................................................. 3</td>
</tr>
<tr>
<td>• CET 217 - Strength of Materials ......................................................... 3</td>
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<tr>
<td>• INT 104 - Principles of Technology ................................................... 3</td>
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<tr>
<th>Technical Specialty: ........................................................................... 24-27</th>
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<tbody>
<tr>
<td>• * MDT 111 - Mechanical Drawing ......................................................... 3</td>
</tr>
<tr>
<td>• MDT 122 - Architectural Drawing ......................................................... 3</td>
</tr>
<tr>
<td>• MDT 123 - Architectural Drawing II ...................................................... 3</td>
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<tr>
<td>• MDT 187 - Advanced Inventor CADD ............................................ 3</td>
</tr>
<tr>
<td>• * MDT 202 - SOLID WORKS CADD ......................................................... 3</td>
</tr>
<tr>
<td>• MDT 203 - Pro-Engineering CADD ......................................................... 3</td>
</tr>
<tr>
<td>• * MDT 211 - Advanced Mechanical Drawings ................................... 3</td>
</tr>
<tr>
<td>• * MDT 221 - Machine Design ................................................................. 3</td>
</tr>
<tr>
<td>• MDT 252 - Advanced SOLID WORKS CADD .................................... 3</td>
</tr>
<tr>
<td>• MDT 261 - HVAC and Pipe Systems Design ..................................... 3</td>
</tr>
<tr>
<td>• MDT 271 - Structural and Weld Design ............................................. 3</td>
</tr>
<tr>
<td>• MDT 272 - Electrical and Electronic Design ..................................... 3</td>
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<th>STUDENT PROGRESS</th>
<th>Grade</th>
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STUDENT PROGRESS

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</table>

*Required Courses

Total Hours Required for Degree: 70

NOTICE(s): For the A.A.S. Degree in Civil Engineering Technology, Mechanical Design Technology Specialty, the student must complete a minimum of 70 credit hours — a minimum of 48 in technical courses and a minimum of 22 in general education courses — all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student's major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

This program is offered at the East Broad Campus only.
Mechanical Design Technology - Civil Engineering Technology Degree/Mechanical Design Option Certificate

Advisor – East Broad Campus: James Wilson, Bevill Center (256.549.8659) jwilson@gadsdenstate.edu

<table>
<thead>
<tr>
<th>Area I–Written Composition:</th>
<th>3</th>
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</thead>
<tbody>
<tr>
<td>ENG 101 - English Composition I</td>
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<table>
<thead>
<tr>
<th>Area II–Humanities and Fine Arts:</th>
<th>3</th>
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<tbody>
<tr>
<td>SPH 106 - Fundamentals of Oral Communication OR SPH 107 - Fundamentals of Public Speaking OR SPH 116 - Introduction to Interpersonal Communication</td>
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<table>
<thead>
<tr>
<th>Area III–Natural Science or Mathematics:</th>
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</thead>
<tbody>
<tr>
<td>MTH 100 - Intermediate College Algebra OR numerically higher</td>
<td>3</td>
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<td>CIS 146 - Microcomputer Applications</td>
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<th>Area IV—History, Social and Behavioral Sciences:</th>
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<td>ORI 101 - Orientation to College</td>
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<th>Area V–Technical Courses:</th>
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<tr>
<td>* CET 100 - Engineering Blueprints</td>
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<tr>
<td>* CET 101 - Introduction to Engineering Technology</td>
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</tr>
<tr>
<td>* MDT 105 - Introduction to Computer-Aided Design (CAD)</td>
<td>3</td>
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<tr>
<td>* MDT 111 - Mechanical Drawing</td>
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<td>MDT 122 - Architectural Drawing</td>
<td>3</td>
</tr>
<tr>
<td>* MDT 146 - AutoCAD CADD</td>
<td>3</td>
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<td>* MDT 147 - Inventor CADD</td>
<td>3</td>
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<tr>
<td>MDT 202 - SOLID WORKS CADD</td>
<td>3</td>
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<tr>
<td>* MDT 211 - Advanced Mechanical Drawings</td>
<td>3</td>
</tr>
<tr>
<td>MDT 221 - Machine Design</td>
<td>3</td>
</tr>
<tr>
<td>MDT 261 - HVAC and Pipe Systems Design</td>
<td>3</td>
</tr>
<tr>
<td>MDT 271 - Structural and Weld Design</td>
<td>3</td>
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<tr>
<td>MDT 272 - Electrical and Electronic Design</td>
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<tr>
<td>Approved Area V Electives</td>
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</table>

*Required Courses

Total Hours Required for Certificate: 46

NOTICE(s): For the certificate in Civil Engineering Technology, Mechanical Design Technology Specialty, the student must complete at least 46 credit hours – at least 33 in technical courses and at least 13 in general education courses – all of which must be approved by the advisor. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

**This program is offered at the East Broad Campus only.
Medical Transcriptionist Short-Term Certificate

Advisors – Ayers Campus: Glenda Copeland (256.835.5446) gcopeland@gadsdenstate.edu
Wallace Drive Campus: Fay Scott (256.439.6876) fscott@gadsdenstate.edu
Larrhea Sims (256.439.6904) lsims@gadsdenstate.edu

<table>
<thead>
<tr>
<th>Student Progress</th>
<th>Grade</th>
<th>Term Completed</th>
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Area V – Professional, Major and Elective Courses: .............................................. 25
- ORI 101 - Orientation to College.............................................................. 1
- BIO 120 - Medical Terminology ................................................................. 3
- OAD 101 - Beginning Keyboarding ............................................................... 3
- OAD 103 - Intermediate Keyboarding ......................................................... 3
- OAD 104 - Advanced Keyboarding ............................................................... 3
- OAD 125 - Word Processing ............................................................................... 3
- OAD 212 - Medical Transcription ................................................................. 3
- OAD 213 - Advanced Medical Transcription .................................................. 3
- OAD 215 - Health Information Management .................................................. 3

Total Hours Required for Certificate: ................................................................. 25
Music Transfer Guide

Advisors – Wallace Drive Campus: John T. Harrell (256.549.8391) jharrell@gadsdenstate.edu
Matt Leder (256.549.8394) mleder@gadsdenstate.edu

<table>
<thead>
<tr>
<th>Area I – Written Composition:</th>
<th>Grade</th>
<th>Term Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101 - English Composition I</td>
<td>3</td>
<td></td>
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<tr>
<td>ENG 102 - English Composition II</td>
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<thead>
<tr>
<th>Area II – Humanities and Fine Arts¹:</th>
<th>Grade</th>
<th>Term Completed</th>
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<tbody>
<tr>
<td>Literature (REQUIRED: Literature OR History sequence)</td>
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<tr>
<td>MUL 101 - Class Piano I</td>
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</tr>
<tr>
<td>MUL 102 - Class Piano II</td>
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<td></td>
</tr>
<tr>
<td>MUS 111 - Music Theory I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MUS 113 - Music Theory Laboratory I</td>
<td>1</td>
<td></td>
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<tr>
<td>Speech</td>
<td>3</td>
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<table>
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<tr>
<th>Area III – Natural Sciences and Mathematics¹:</th>
<th>Grade</th>
<th>Term Completed</th>
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<tbody>
<tr>
<td>MTH 110 - Finite Mathematics OR MTH 112 - Precalculus Algebra OR Higher level Math</td>
<td>3</td>
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<tr>
<td>Natural Science and Lab</td>
<td>8</td>
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<table>
<thead>
<tr>
<th>Area IV – History, Social and Behavioral Sciences¹:</th>
<th>Grade</th>
<th>Term Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>History (REQUIRED: Literature OR History sequence)</td>
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<td></td>
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<tr>
<td>History, Social, or Behavioral Science</td>
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<tr>
<td>Social and Behavioral Sciences</td>
<td>6</td>
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<table>
<thead>
<tr>
<th>Area V – Pre-Professional, Pre-Major and Electives¹:</th>
<th>Grade</th>
<th>Term Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORI 101 - Orientation to College</td>
<td>1</td>
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</tr>
<tr>
<td>CIS 146 - Microcomputer Applications OR Higher CIS elective</td>
<td>3</td>
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<tr>
<td>MUS 112 - Music Theory II</td>
<td>3</td>
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<tr>
<td>MUS 114 - Music Theory Laboratory II</td>
<td>1</td>
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<td>MUS 211 - Music Theory III</td>
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</tr>
<tr>
<td>MUS 213 - Music Theory Laboratory III</td>
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<tr>
<td>MUP 101-282 (Applied Lessons)</td>
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<tr>
<td>Elective (Music Ensembles)</td>
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</table>

Total Hours Required for Degree: 60-64

NOTICE(s): ¹Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at http://stars.troy.edu/ and the degree requirements of the intended transfer institution.
Nursing Assistant Short-Term Certificate

Advisor – Wallace Drive Campus: Pam Mayo, (256.549.8257) pmayo@gadsdenstate.edu;
Valley Street Campus: Ann Haynes (256.549.8686) ahaynes@gadsdenstate.edu;
East Broad Campus: Pam Tally (256.549.8689) ptally@gadsdenstate.edu

STUDENT PROGRESS

<table>
<thead>
<tr>
<th>Area V – Professional, Major and Elective Courses:</th>
<th>Grade</th>
<th>Term Completed</th>
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<tr>
<td>ORI 101 - Orientation to College....................</td>
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<tr>
<td>HPS 103 - Foundation Competencies for Health Sciences</td>
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<tr>
<td>HPS 105 - Medical Terminology ........................</td>
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<tr>
<td>HPS 117 - Phlebotomy ..................................</td>
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<tr>
<td>HPS 122 - CPR, First Aid, Infection Prevention, and Safety Issues for Clinical Practices</td>
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<tr>
<td>HPS 124 - Personal and Professional Development ........</td>
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<tr>
<td>NAS 120 - Fundamentals of Nursing Assistant/Home Health Aide ...........................................</td>
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<tr>
<td>NAS 121 - Fundamentals of Nursing Assistant/Home Health Aide Clinical ..............................</td>
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</table>

Total Hours Required for Degree: .......................................................28

NOTICE(s): This is a Short Certificate Program. If a 2.5 or higher GPA is maintained for both semesters, the student will qualify for priority admissions points into the LPN program. These points are good for a period of two (2) years.

Admission Requirements: The student must have a high school diploma or GED, a minimum score of 65 on the reading portion of the COMPASS Placement Test, and be at least 18 years of age.
Office Administration A.A.S.

Advisors - Ayers Campus: Glenda Copeland (256.835.5446) gcopeland@gadsdenstate.edu;
Wallace Drive Campus: Fay Scott (256.439.6876) fscott@gadsdenstate.edu
Larrhea Sims (256.439.6904) lsims@gadsdenstate.edu

STUDENT PROGRESS

<table>
<thead>
<tr>
<th>Grade</th>
<th>Term Completed</th>
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Area I – Written Composition: ................................................................. 6
- ENG 101 - English Composition I .................................................. 3
- ENG 102 - English Composition II .................................................. 3

Area II - Humanities and Fine Arts: ......................................................... 6
- Speech ............................................................................................... 3
- Humanities OR Fine Arts ................................................................. 3

Area III – Natural Sciences and Mathematics: ......................................... 10
- BIO 103 - Principles of Biology I ...................................................... 4
- CIS 146 - Microcomputer Applications ............................................ 3
- MTH 100 - Intermediate College Algebra OR
  MTH 116 - Mathematical Applications ............................................ 3

Area IV – History, Social and Behavioral Sciences: .................................. 3
- ECO 231 - Principles of Macroeconomics ......................................... 3

Area V – Administrative Assistant – General: ......................................... 43
- ORI 101 - Orientation to College ...................................................... 1
- BUS 215 - Business Communication .............................................. 3
- BUS 241 - Principles of Accounting I .............................................. 3
- BUS 263 - The Legal and Social Environment of Business ............. 3
- CIS 147 - Advanced Micro Applications .......................................... 3
- OAD 101 - Beginning Keyboarding OR
  OAD elective (Consult OAD advisor) ................................................ 3
- OAD 103 - Intermediate Keyboarding ............................................. 3
- OAD 104 - Advanced Keyboarding .................................................... 3
- OAD 125 - Word Processing ............................................................. 3
- OAD 126 - Advanced Word Processing ............................................ 3
- OAD 134 – Career and Professional Development ........................... 3
- OAD 138 - Records and Information Management ........................... 3
- OAD 200 - Machine Transcription ................................................... 3
- OAD 218 - Office Procedures ............................................................ 3
- OAD 241 - Office Co-op OR
  OAD 242 - Office Internship ............................................................ 3

Total Hours Required for Degree: .......................................................... 68
### Area V – Administrative Assistant – Legal:

<table>
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<td>BUS 215 - Business Communication</td>
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<td>BUS 241 - Principles of Accounting I</td>
<td>3</td>
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<tr>
<td>BUS 263 - The Legal and Social Environment</td>
<td>3</td>
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<td>CIS 147 - Advanced Micro Applications</td>
<td>3</td>
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<td>OAD 101 - Beginning Keyboarding OR OAD</td>
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<td>OAD 103 - Intermediate Keyboarding</td>
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<td>OAD 134 - Career and Professional Development</td>
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<td>OAD 138 - Records and Information Management</td>
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<td>OAD 200 - Machine Transcription</td>
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<tr>
<td>OAD 202 - Legal Transcription</td>
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<td>OAD 218 - Office Procedures</td>
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<tr>
<td>OAD 241 - Office Co-op OR OAD 242 - Office Internship</td>
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**Total Hours Required for Degree:** 46

### Area V – Administrative Assistant – Medical:

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<td>BIO 120 - Medical Terminology</td>
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<td>BIO 206 - Human Anatomy</td>
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<td>BUS 215 - Business Communication</td>
<td>3</td>
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<td>BUS 241 - Principles of Accounting I</td>
<td>3</td>
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<tr>
<td>HIT 230 - Medical Coding Systems I</td>
<td>3</td>
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<tr>
<td>HIT 231 - Medical Coding Skills Laboratory (Corequisite)</td>
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<td>OAD 101 - Beginning Keyboarding OR OAD</td>
<td>3</td>
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<tr>
<td>OAD 103 - Intermediate Keyboarding</td>
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<td></td>
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<tr>
<td>OAD 125 - Word Processing</td>
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<td></td>
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<tr>
<td>OAD 138 - Records and Information Management</td>
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<td></td>
</tr>
<tr>
<td>OAD 200 - Machine Transcription</td>
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<td></td>
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<tr>
<td>OAD 212 - Medical Transcription</td>
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<td></td>
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<tr>
<td>OAD 215 - Health Information Management</td>
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<td></td>
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<td>OAD 218 - Office Procedures</td>
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<td></td>
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<td>OAD 241 - Office Co-op OR OAD 242 - Office Internship</td>
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**Total Hours Required for Degree:** 45

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**2015-2016 Catalog and Student Handbook**

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**STUDENT PROGRESS**

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## Area V – Transcription and Coding:

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</tr>
<tr>
<td>BIO 120 - Medical Terminology</td>
<td>3</td>
<td></td>
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<tr>
<td>BIO 206 - Human Anatomy</td>
<td>4</td>
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<tr>
<td>CIS 147 - Advanced Micro Applications</td>
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<td>HIT 230 - Medical Coding Systems I</td>
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<tr>
<td>HIT 231 - Medical Coding Skills Laboratory (Corequisite)</td>
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<tr>
<td>HIT 232 - Medical Coding Systems II</td>
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<tr>
<td>HIT 233 - Medical Coding Skills Laboratory (Corequisite)</td>
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<td>OAD 101 - Beginning Keyboarding OR</td>
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<td></td>
</tr>
<tr>
<td>OAD elective (Consult OAD advisor)</td>
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<td></td>
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<td>OAD 103 - Intermediate Keyboarding</td>
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<td></td>
</tr>
<tr>
<td>OAD 125 - Word Processing</td>
<td>3</td>
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<tr>
<td>OAD 200 - Machine Transcription</td>
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<td>OAD 212 - Medical Transcription</td>
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<td>OAD 213 - Advanced Medical Transcription</td>
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<tr>
<td>OAD 215 - Health Information Management</td>
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<tr>
<td>OAD 241 - Office Co-op OR</td>
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<tr>
<td>OAD 242 - Office Internship</td>
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Total Hours Required for Degree: 68

## Area V—Health Information Technology Management:

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<tr>
<td>BIO 120 – Medical Terminology</td>
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<td>BIO 206 – Human Anatomy</td>
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<tr>
<td>HIT 134 – HIT Legal and Ethical Issues</td>
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<td>HIT 151 – Health Data Content and Structure</td>
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<td>HIT 153 – Health Care Delivery Systems</td>
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<tr>
<td>HIT 230 – Medical Coding Systems I</td>
<td>3</td>
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<tr>
<td>HIT 231 – Medical Coding Skills Laboratory</td>
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<tr>
<td>HIT 232 – Medical Coding Systems II</td>
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<tr>
<td>HIT 233 – Medical Coding Skills Laboratory</td>
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<td>HIT 254 – Organization Improvement</td>
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<td>HIT 295 – Special Topics in HIT III</td>
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<tr>
<td>OAD 101 – Beginning Keyboarding OR</td>
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<td>OAD 125 – Word Processing</td>
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<tr>
<td>OAD 241 – Office Co-op OR</td>
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Total Hours Required for Degree: 71
Osteopathic Medical Program Transfer Guide

This program, offered in partnership with Athens State University, identifies potential students who might be interested in pursuing a medical degree. The Alabama Medical Education Consortium (AMEC) has allotted to Athens State University graduates up to 40 seats at the nine osteopathic medical schools located throughout the United States. The AMEC Plan provides a pipeline for qualified individuals who wish to attend medical school through a partnership program between Athens State and the two-year colleges in the Alabama College System. Gadsden State is working closely with Athens State for the first two years of the program. Students spend the final two years of the program at Athens State, taking upper-level courses. Upon completion, students will have earned the baccalaureate degree and admission to one of the nine osteopathic medical schools. Upon graduation from Gadsden State, students will transfer to Athens State University. At Athens, students must satisfy the degree requirements of a chosen major, as well as the additional advanced coursework, such as genetics and biochemistry. This program requires two years at a community college, two years at Athens State, two years at a partner osteopathic medical school, two years clinical rotation in Alabama, and three years graduate residency training in Alabama. The contact person for the medical program at Athens State University is Dr. Charles Chapman.

Advisors – Gadsden State Cherokee: Frances Vann (256.927.1823) fvann@gadsdenstate.edu; James Skillman, (256.238.9371) jskillman@gadsdenstate.edu; Wallace Drive Campus: Nancy Gilbert (256.549.8433) ngilbert@gadsdenstate.edu; Phillip Snider (256.549.8430) psnider@gadsdenstate.edu

STUDENT PROGRESS

<table>
<thead>
<tr>
<th>Grade</th>
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Area I – Written Composition: ................................................................. 6
- ENG 101 - English Composition I ................................................. 3
- ENG 102 - English Composition II .............................................. 3
  Required for the partnership between ASU and the two-year colleges.

Area II – Humanities and Fine Arts:
- Literature (REQUIRED: Literature OR History sequence) ...... 3
- Fine Arts ....................................................................................... 3
- Speech ............................................................................................. 3
- Humanities, Fine Arts, Literature OR Speech ..................... 3

Area III – Natural Sciences and Mathematics:
- MTH 112 - Precalculus Algebra .................................................. 3
- BIO 103 - Principles of Biology I ................................................. 4
- BIO 104 - Principles of Biology II .............................................. 4

Area IV – History, Social and Behavioral Sciences:
- History (REQUIRED: Literature OR History sequence) ...... 3
- History, Social, or Behavioral Science ................................. 3
- Social and Behavioral Sciences ............................................... 6

Area V – Pre-Professional, Pre-Major and Electives:
(Athens State Requirements)
- ORI 101 - Orientation to College ............................................. 1

NOTICE(s): *Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at http://stars.troy.edu/ and the degree requirements of the intended transfer institution.
### Paralegal A.A.S.

**Advisors – Wallace Drive Campus:** Elizabeth Howard (256.549.8336) ehoward@gadsdenstate.edu

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<td>ENG 102 - English Composition II</td>
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<td>Speech ..........................................................</td>
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<td>Humanities OR Fine Arts ................</td>
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<th>Area III – Natural Sciences and Mathematics:</th>
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<td>BIO 103 - Principles of Biology I ................</td>
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<tr>
<td>CIS 146 - Microcomputer Applications .............</td>
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<td>MTH 116 - Mathematical Applications ................</td>
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<th>Area IV – History, Social and Behavioral Sciences:</th>
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<tr>
<td>ECO 231 - Principles of Macroeconomics ............</td>
<td>3</td>
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<tr>
<td>PSY 200 - General Psychology OR SOC 200 - Introduction to Sociology</td>
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<th>Area V – Pre-Professional, Pre-Major and Electives:</th>
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<tr>
<td>ORI 101 - Orientation to College ........................</td>
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<tr>
<td>BUS 215 - Business Communication ........................</td>
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<tr>
<td>BUS 241 - Principles of Accounting I ....................</td>
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</tr>
<tr>
<td>BUS 263 - The Legal and Social Environment of Business</td>
<td>3</td>
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<td>OAD 125 - Word Processing .................................</td>
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<tr>
<td>PRL 101 - Introduction to Paralegal Study ...............</td>
<td>3</td>
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<tr>
<td>PRL 102 - Basic Legal Research &amp; Writing ................</td>
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<td>(PRL 101 &amp; PRL 102 are corequisites AND prerequisites to other legal specialty courses)</td>
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<td>PRL 103 - Advanced Legal Research and Writing ..........</td>
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<td>PRL 160 - Criminal Law and Procedure ....................</td>
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<td>PRL 210 - Introduction to Real Property Law .............</td>
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<td>PRL 230 - Domestic Law ........................................</td>
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<tr>
<td>PRL 240 - Wills, Estates, and Trusts .....................</td>
<td>3</td>
</tr>
<tr>
<td>PRL 262 - Civil Law and Procedures ........................</td>
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<tr>
<td>PRL 291 - Internship in Paralegalism .....................</td>
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</tr>
<tr>
<td>BUS 242 - Principles of Accounting II OR ECO 232 - Principles of Microeconomics</td>
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</table>

**Total Hours Required for Degree:** ........................................71

**NOTICE(s):** Gadsden State Community College’s Paralegal Program is approved by the American Bar Association. Legal specialty courses transferred from regionally accredited programs must be evaluated by the program coordinator to ensure that the content of the course is comparable to the Gadsden State course before acceptance. It is the responsibility of the student to verify the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

- The Paralegal Program is a Selective Admission Program.
- Legal specialty courses taken at ABA-approved schools will transfer automatically to equivalent Gadsden State courses if the student has a grade of C or above in the course.
- Legal specialty courses from non-ABA schools in Alabama will be evaluated by the program director to determine if credit will be awarded.
- Legal studies courses from non-ABA out-of-state programs will not be considered for transfer credit.
- Transfer credit for Paralegal courses will be limited to six (6) semester credit hours.
- A student must take at least ten (10) semester credit hours in the legal specialty courses in a traditional classroom setting.
- These policies are published in the Paralegal Brochure, the Paralegal webpage, and the GSCC catalogue.

**Paralegals are NOT licensed to practice law.**
## Poultry Science Transfer Guide

**Advisors – Ayers Campus:** Nancy Lee (256.835.5497) nlee@gadsdenstate.edu; **Gadsden State Cherokee:** Chad Steed (256.927.1802) cstead@gadsdenstate.edu; Frances Vann (256.927.1823) fvann@gadsdenstate.edu; **McClellan Center:** James Skillman (256.238.9371) jskillman@gadsdenstate.edu; **Wallace Drive:** Julie Bowen (256.549.8426) jbowen@gadsdenstate.edu; Jeff Machen (256.549.8436) jmachen@gadsdenstate.edu

### STUDENT PROGRESS

<table>
<thead>
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#### Area I – Written Composition: ................................................................. 6
- ENG 101 - English Composition I ......................................................... 3
- ENG 102 - English Composition II ......................................................... 3

#### Area II – Humanities and Fine Arts¹: ...................................................... 12
- Literature .................................................................................................. 3
- Fine Arts ................................................................................................... 3
- Speech ........................................................................................................ 3
- PHL 206 - Ethics & Society ......................................................................... 3

#### Area III – Natural Sciences and Mathematics¹: ........................................... 11
- MTH 113 - Precalculus Trigonometry ....................................................... 3
- BIO 103 - Principles of Biology I ............................................................... 4
- BIO 104 - Principles of Biology II ............................................................. 4

#### Area IV – History, Social and Behavioral Sciences¹: .................................... 12
- Select one History sequence:
  - HIS 101 & 102 - Western Civilization I & II OR
  - HIS 201 & 202 - American History I & II .............................................. 6
- Social and Behavioral Sciences ................................................................. 3
- ECO 232 – Principles of Microeconomics .................................................. 3

#### Area V – Pre-Professional, Pre-Major and Electives¹: ................................... 21
- ORI 101 - Orientation to College ............................................................... 1
- CHM 111 - College Chemistry I ................................................................. 4
- CHM 112 - College Chemistry II ............................................................... 4
- CHM 221 - Organic Chemistry I ............................................................... 4
- PHY 201 - General Physics (Trig Based) .................................................... 4
- AGP 130 - Poultry Production ................................................................... 4

#### Total Hours Required for Degree ................................................................. 62

**NOTICE(s):** ¹Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu/](http://stars.troy.edu/) and the degree requirements of the intended transfer institution.
Pre-Athletic Training Transfer Guide

Advisors - Wallace Drive Campus: Lance Gilliland (256.549.8326) lgilliland@gadsdenstate.edu; Mike Cancilla (256.549.8311) mcancilla@gadsdenstate.edu

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<th>Area I – Written Composition:</th>
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<th>Area II – Humanities and Fine Arts:</th>
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<td>Literature (REQUIRED: Literature OR History sequence)</td>
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<th>Area III - Natural Sciences and Mathematics:</th>
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<tbody>
<tr>
<td>BIO 201 - Human Anatomy and Physiology I</td>
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<td>BIO 202 - Human Anatomy and Physiology II</td>
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<tr>
<td>MTH 110 - Finite Mathematics OR MTH 112 - Precalculus Algebra OR Higher level Math Course</td>
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<td>ECO 231 - Principles of Macroeconomics</td>
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<td>PSY 200 - General Psychology</td>
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<td>SOC 200 - Introduction to Sociology</td>
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<th>Area V - Pre-Professional, Pre-Major and Electives:</th>
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<tbody>
<tr>
<td>ORI 101 - Orientation to College</td>
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<td>CIS 146 - Microcomputer Applications</td>
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<td>HED 231 - First Aid</td>
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<td>HED 232 - Care and Prevention of Athletic Injuries</td>
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<td>PED 223 - Methods of Instruction</td>
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<td>PED 296 - Practicum in Athletic Training I</td>
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<tr>
<td>PED 297 - Practicum in Athletic Training I</td>
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Please choose one of the following electives:
- BIO 103 – Principles of Biology I 4
- BIO 120 - Medical Terminology 3
- CHM 111 – College Chemistry I 4
- HEC 140 - Principles of Nutrition 3
- HED 224 - Personal and Community Health 3

Total Hours Required for Degree: 60-64

NOTICE(s): *Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu](http://stars.troy.edu) and the degree requirements of the intended transfer institution.
## Pre-Dentistry Transfer Guide

**Advisors - Ayers Campus:** Nancy Lee (256.835.5497) nlee@gadsdenstate.edu;  
Gadsden State Cherokee: Frances Vann, (256.927.1823) fvann@gadsdenstate.edu;  
Susan King (256.439.6874) sking@gadsdenstate.edu;  
McClellan Center: Kaci Rodgers (256.238.9355) krodgers@gadsdenstate.edu;  
Wallace Drive Campus: Rita Collier (256.549.8427) rcollier@gadsdenstate.edu;  
Brian Geislinger, (256.549.8434) bgeislinger@gadsdenstate.edu;  
Xianglan (Shelly) Hood (256.549.8431) shood@gadsdenstate.edu;  
Phillip Snider (256.549.8430) psnider@gadsdenstate.edu

### STUDENT PROGRESS

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<td>Fine Arts</td>
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<td>III</td>
<td>Natural Sciences and Mathematics</td>
<td>CHM 111 - College Chemistry I</td>
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<td>CHM 112 - College Chemistry II</td>
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<td>PSY 200 - General Psychology</td>
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<td>Pre-Professional, Pre-Major and Electives</td>
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<td>CHM 221 - Organic Chemistry I</td>
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<td>PHY 201 - General Physics I Trig Based</td>
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<td>PHY 202 - General Physics II Trig Based</td>
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<td>CIS 146 - Microcomputer Applications</td>
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**Total Hours Required for Degree:** .................................................. 60-64

**NOTICE(s):**  
1. Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu](http://stars.troy.edu/) and the degree requirements of the intended transfer institution.
Pre-Engineering Transfer Guide

Advisors - Ayers Campus: Candace Davis (256.835.1232) cdavis@gadsdenstate.edu;
Ramona C. Harris (256.835.5447) rharris@gadsdenstate.edu;
Cal Smith (256.835.5438) csmith@gadsdenstate.edu;
Gadsden State Cherokee: Danny Wilborn (256.927.1825) dwilborn@gadsdenstate.edu;
McClellan Center: Sara Wheeler (256.238.9353) swheeler@gadsdenstate.edu;
Wallace Drive Campus: Lynette King (256.549.8490) lking@gadsdenstate.edu;
Rhoda Oden (256.549.8494) roden@gadsdenstate.edu;
Jesse Osborn (256.549.8405) josborn@gadsdenstate.edu;
Tammy Potter Morgan (256.549.8485) tmorgan@gadsdenstate.edu;
Esther Wilson (256.549.8493) ewilson@gadsdenstate.edu;
Danny Wilborn (256.439.6912) dwilborn@gadsdenstate.edu.

STUDENT PROGRESS

<table>
<thead>
<tr>
<th>Grade</th>
<th>Term Completed</th>
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Area I – Written Composition: .......................................................... 6
- ENG 101 - English Composition I ................................................. 3
- ENG 102 - English Composition II ................................................. 3

Area II – Humanities and Fine Arts: ............................................... 12
- Literature (REQUIRED: Literature OR History sequence) .. 3
- Fine Arts .................................................................................. 3
- Speech..................................................................................... 3
- Humanities, Fine Arts, Literature OR Speech .................... 3

Area III – Natural Sciences and Mathematics: ..................................... 12
- MTH 125 - Calculus I OR Higher level Math ......................... 4
- PHY 213 - General Physics with Calculus I ....................... 4
- PHY 214 - General Physics with Calculus II ...................... 4

Area IV – History, Social and Behavioral Sciences: .............................. 12
- History (REQUIRED: Literature OR History sequence) ....... 3
- History, Social, or Behavioral Science ....................... 3
- Social and Behavioral Sciences ......................................... 6

Area V – Pre-Professional, Pre-Major and Electives: .......................... 19-22
- ORI 101 - Orientation to College ............................................. 1
- CHM 111 - College Chemistry I ............................................. 4
- MTH 126 - Calculus II ......................................................... 4
- MTH 227 - Calculus III ....................................................... 4
- Computer Science Course Elective ...................................... 3
- Electives ................................................................................. 3-6

Total Hours Required for Degree: .................................................. 60-64

NOTICE(s): *Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at http://stars.troy.edu/ and the degree requirements of the intended transfer institution.
Pre-Forestry Transfer Guide

Advisors - Ayers Campus: Nancy Lee (256.835.5497) nlee@gadsdenstate.edu; Gadsden State Cherokee: Frances Vann (256.927.1823) fvann@gadsdenstate.edu; McClellan Center: James Skillman (256.238.9371) jskillman@gadsdenstate.edu; Wallace Drive Campus: Nancy Gilbert (256.549.8433) ngilbert@gadsdenstate.edu; Julie Bowen (256.549.8426) jbowen@gadsdenstate.edu

STUDENT PROGRESS

<table>
<thead>
<tr>
<th>Grade</th>
<th>Term Completed</th>
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| Area I – Written Composition: | 6 |
|---------------------------------------------------------------|
| • ENG 101 - English Composition I | 3 |
| • ENG 102 - English Composition II | 3 |

| Area II – Humanities and Fine Arts¹: | 12 |
|---------------------------------------------------------------|
| • Literature (REQUIRED: Literature OR History sequence) | 3 |
| • Fine Arts | 3 |
| • Speech | 3 |
| • Humanities, Fine Arts, Literature OR Speech | 3 |

| Area III – Natural Sciences and Mathematics¹: | 11 |
|---------------------------------------------------------------|
| • MTH 113 - Precalculus Trigonometry | 3 |
| • CHM 111 - College Chemistry I | 4 |
| • CHM 112 - College Chemistry II | 4 |

| Area IV – History, Social and Behavioral Sciences¹: | 12 |
|---------------------------------------------------------------|
| • History (REQUIRED: Literature OR History sequence) | 3 |
| • History, Social, or Behavioral Science | 3 |
| • Social and Behavioral Sciences | 6 |

| Area V – Pre-Professional, Pre-Major and Electives¹: | 20 |
|---------------------------------------------------------------|
| • ORI 101 - Orientation to College | 1 |
| • BIO 103 - Principles of Biology I | 4 |
| • BIO 104 - Principles of Biology II | 4 |
| • PHY 201 - General Physics I Trig Based | 4 |
| • PHY 202 - General Physics II Trig Based | 4 |
| • CIS 146 - Microcomputer Applications | 3 |

Total Hours Required for Degree: 60-64

NOTICE(s): ¹Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at http://stars.troy.edu/ and the degree requirements of the intended transfer institution.
# Pre-Law Transfer Guide

**Advisor** - Wallace Drive Campus: Derrick Griffey (546.549.8482) [dgriffey@gadsdenstate.edu](mailto:dgriffey@gadsdenstate.edu)

## STUDENT PROGRESS

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| Area II – Humanities and Fine Arts¹:                         |       |                |
| 12                                                         |       |                |
| Literature (REQUIRED: Literature OR History sequence)       | 3     |                |
| Fine Arts                                                   | 3     |                |
| Speech                                                      | 3     |                |
| Humanities, Fine Arts, Literature OR Speech                 | 3     |                |

| Area III – Natural Sciences and Mathematics¹                 |       |                |
| 11                                                         |       |                |
| MTH 110 - Finite Mathematics OR MTH 112 - Precalculus Algebra OR Higher level Math | 3     |                |
| Natural Science and Lab                                     | 8     |                |

| Area IV – History, Social and Behavioral Sciences¹           |       |                |
| 12                                                         |       |                |
| History (REQUIRED: Literature OR History sequence)          | 3     |                |
| History, Social, or Behavioral Science                      | 3     |                |
| Social and Behavioral Sciences                              | 6     |                |

| Area V – Pre-Professional, Pre-Major and Electives¹:         |       |                |
| 23                                                         |       |                |
| ORI 101 - Orientation to College                            | 1     |                |
| Approved Area V electives (Consult advisor)                 | 22    |                |

Total Hours Required for Degree: 60-64

**NOTICE(s):** ¹Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu](http://stars.troy.edu) and the degree requirements of the intended transfer institution.
Pre-Medicine Transfer Guide

Advisors - Ayers Campus: Nancy Lee (256.835.5497) nlee@gadsdenstate.edu; Gadsden State Cherokee: Frances Vann (256.927.1823) fvann@gadsdenstate.edu; Susan King (256.439.6874) sking@gadsdenstate.edu; McClellan Center: Kaci Rodgers, (256.238.9355) krodgers@gadsdenstate.edu; Wallace Drive Campus: Rita Collier (256.549.8427) rcollier@gadsdenstate.edu; Brian Geislinger, (256.549.8434) bgeislinger@gadsdenstate.edu; Xianglan (Shelly) Hood (256.549.8431) shood@gadsdenstate.edu; Phillip Snider (256.549.8430) psnider@gadsdenstate.edu

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<tr>
<td><strong>Area II – Humanities and Fine Arts(^1)</strong>: ........................................ 12</td>
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<td>• Literature (REQUIRED: Literature OR History sequence).............. 3</td>
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<td>• CHM 111 - College Chemistry I ....................................................... 4</td>
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<td>• History, Social, or Behavioral Science ...................................... 6</td>
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<td>• PSY 200 - General Psychology ..................................................... 3</td>
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<td>• PHY 201 - General Physics I Trig Based ........................................ 4</td>
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<td>• PHY 202 - General Physics II Trig Based ....................................... 4</td>
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<td>• CIS 146 - Microcomputer Applications ....................................... 3</td>
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<td><strong>Total Hours Required for Degree</strong>: .................................................. 60-64</td>
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NOTICE\(^s\): \(^1\)Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu/](http://stars.troy.edu/) and the degree requirements of the intended transfer institution.
Pre-Nursing (4-yr)

**Advisors - Ayers Campus:** Nancy Lee (256.835.5497) nlee@gadsdenstate.edu;  
**Gadsden State Cherokee:** Frances Vann (256.927.1823) fvann@gadsdenstate.edu;  
**McClellan Center:** Kaci Rodgers (256.238.9355) krogers@gadsdenstate.edu;  
**Wallace Drive Campus:** Cynthia Freeman (256.549.8432) cfreeman@gadsdenstate.edu;  
Jeff Machen (256.549.8436) jmacen@gadsdenstate.edu;

**STUDENT PROGRESS**

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**Area I – Written Composition:** ......................................................... 6
- ENG 101 - English Composition I ........................................ 3
- ENG 102 - English Composition II ................................. 3

**Area II - Humanities and Fine Arts**: ........................................... 12
- Literature *(REQUIRED: Literature OR History sequence)*..... 3
- Fine Arts ........................................................................ 3
- Speech ........................................................................ 3
- Humanities and Fine Arts OR Literature

**Recommended:** PHL 206 - Ethics and Society ......................... 3

**Area III - Natural Science and Mathematics**: ......................... 11
- MTH 112 - Precalculus Algebra ........................................ 3
- BIO 103 - Principles of Biology I .................................... 4
- CHM 104 - Introduction to Inorganic Chemistry OR
- CHM 111 - College Chemistry I ..................................... 4

**Area IV - History, Social and Behavioral Sciences**: ................. 12
- History *(REQUIRED: Literature OR History sequence)* .... 3
- History, Social or Behavioral Sciences ......................... 3
- PSY 200 - General Psychology ....................................... 3
- PSY 210 - Human Growth and Development .................... 3

**Area V - Pre-Professional, Major and Electives**: ...................... 22
- ORI 101 - Orientation to College...................................... 1
- BIO 201 - Human Anatomy and Physiology I .................. 4
- BIO 202 - Human Anatomy and Physiology II ................. 4
- BIO 220 - General Microbiology .................................. 4
- BUS 271 - Business Statistics I OR
- MTH 265 - Elementary Statistics ................................. 3
- HEC 140 - Principles of Nutrition .................................. 3
- CIS 146 - Microcomputer Applications .......................... 3

**Total Hours Required for Degree:** ........................................ 60-64

**NOTICE(s):**  
1) Students should consult with an advisor and refer to the Statewide Transfer and Articulation Reporting System (STARS) located at [http://stars.troy.edu](http://stars.troy.edu) and the degree requirements of the intended transfer institution.
Pre-Pharmacy Transfer Guide

Advisors - Ayers Campus: Nancy Lee (256.835.5497) nlee@gadsdenstate.edu; Gadsden State Cherokee: Frances Vann (256.927.1823) fvann@gadsdenstate.edu; McClellan Center: James Skillman (256.238.9371) jskillman@gadsdenstate.edu; Wallace Drive Campus: Rita Collier (256.549.8427) rcollier@gadsdenstate.edu; Cynthia Freeman (256.549.8432) cfreeman@gadsdenstate.edu; Jeff Machen (256.549.8436) jmachen@gadsdenstate.edu; Phillip Snider (256.549.8430) psnider@gadsdenstate.edu

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<td>- CHM 112 - College Chemistry II</td>
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<td>- MTH 125 - Calculus I</td>
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<td>- History, Social, or Behavioral Science</td>
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<th>Area V – Pre-Professional, Pre-Major and Electives¹:</th>
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<td>- ORI 101 - Orientation to College</td>
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<td>- BIO 103 - Principles of Biology I</td>
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<td>- BIO 201 - Human Anatomy and Physiology I</td>
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<td>- CHM 221 - Organic Chemistry I</td>
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<td>- CHM 222 - Organic Chemistry II</td>
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<td>- CIS 146 - Microcomputer Applications</td>
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Total Hours Required for Degree: 60-64

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Pre-Veterinary Medicine Transfer Guide

Advisors - Ayers Campus: Nancy Lee (256.835.5497) nlee@gadsdenstate.edu; Gadsden State Cherokee: Frances Vann (256.927.1823) fvann@gadsdenstate.edu; Susan King (256.439.6874) skin@gadsdenstate.edu; McClellan Center: Kaci Rodgers (256.238.9355) krodgers@gadsdenstate.edu; Wallace Drive Campus: Cynthia Freeman (256.549.8432) cfreeman@gadsdenstate.edu; Jeff Machen (256.549.8436) jmachen@gadsdenstate.edu; Rita Collier (256.549.8427) rcollier@gadsdenstate.edu; Susan King (256.439.6874) skin@gadsdenstate.edu

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<tr>
<td>• Literature (REQUIRED: Literature OR History sequence)........</td>
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Total Hours Required for Degree: ............................................................... 60-64

NOTICE(s):  *Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu](http://stars.troy.edu) and the degree requirements of the intended transfer institution.
## Psychology Transfer Guide

Advisors - Ayers Campus: Laetitia Hutchinson (256.835.5484) lhutchinson@gadsdenstate.edu  
Gadsden State Cherokee: Jana Vallejo (256.927.1818) jvallejo@gadsdenstate.edu;  
McClellan Center: Billy Jenkins (256.238.9373) bjenkins@gadsdenstate.edu;  
Wallace Drive Campus: Trudie Guffey (256.549.8484) tguffey@gadsdenstate.edu; Julie White (256.549.8301) juliewhite@gadsdenstate.edu

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<th>Area</th>
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Total Hours Required for Degree: 60-64

NOTICE(s): 1) Students should consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu](http://stars.troy.edu) and the degree requirements of the intended transfer institution.
Public Safety Telecommunications A.A.S.

Advisor – McClellan Center: Christina Dilges Isom, (256.238.9362) cisom@gadsdenstate.edu

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<td>• PST 113 - Introduction to Crisis Intervention</td>
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<td>• PST 114 - Introduction to Weapons of Mass Destruction</td>
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<td>• PST 115 - Emergency Medical Dispatching</td>
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<td>• PST 220 - Technologies in Public Safety Telecommunication and 911</td>
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<td>• PST 221 - Role in Hostage Negotiations for Public Safety Communicators</td>
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<td>• PST 222 - Handling of Hazardous Materials Event</td>
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<td>• PST 223 - Human Resource Management in Public Safety Communications</td>
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<td>• PST 224 - Financial Management in Public Safety Communications</td>
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<td>• PST 225 - Management Principles in Public Safety Communications</td>
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<td>• PST 226 - Advanced Public Safety Communications</td>
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<td>• PST 227 - Location Identification</td>
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<td>• PST 228 - Technical Writing</td>
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<tr>
<td>Total Hours Required for Degree:</td>
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</table>

NOTICE(s): In lieu of CIS 146, competency in basic use of computers is demonstrated by the extensive use of computers in completing online computer courses.
Radiologic Technology A.A.S.

Advisors – Wallace Drive Campus: Deborah Gay Utz, (256.549.8468) gutz@gadsdenstate.edu; Gina Tice, (256.549.8469) gtice@gadsdenstate.edu

STUDENT PROGRESS

<table>
<thead>
<tr>
<th>Grade</th>
<th>Term Completed</th>
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</thead>
<tbody>
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Area I – Written Composition: .......................................................... 6
- ENG 101 - English Composition I ..................................................... 3
- ENG 102 - English Composition II
  (May substitute
  SPH 106 - Fundamentals of Oral Communication
  for ENG 102) .................................................................................. 3

Area II – Humanities and Fine Arts: ....................................................... 3
- Humanities and Fine Arts Elective ...................................................... 3
  Art, Art History, Foreign Languages,
  Humanities, Music, Philosophy, Religion, or Theater from
  STARS.

Area III – Natural Sciences and Mathematics: ...................................... 11
- BIO 201 - Human Anatomy and Physiology I ..................................... 4
- BIO 202 - Human Anatomy and Physiology II ................................ 4
- MTH 100 - Intermediate College Algebra OR
  Higher level Math (Math 116 is not a higher level Math) ............. 3

Area IV – History, Social and Behavioral Sciences: ............................. 3
- PSY 200 - General Psychology ......................................................... 3

Area V – Professional, Major and Elective Courses: ............................ 52
In lieu of CIS 146, competency in basic use of computers is
  demonstrated by extensive use of computers as required in labs
  and clinicals.
- RAD 111 - Introduction to Radiography ............................................. 2
- RAD 112 - Radiographic Procedures I .............................................. 4
- RAD 113 - Patient Care ..................................................................... 2
- RAD 114 - Clinical Education I ...................................................... 2
- RAD 122 - Radiographic Procedures II ............................................ 4
- RAD 124 - Clinical Education II .................................................... 5
- RAD 125 - Imaging Equipment ...................................................... 3
- RAD 134 - Clinical Education III ................................................... 5
- RAD 135 - Exposure Principles ...................................................... 3
- RAD 136 - Radiation Protection and Biology .................................. 2
- RAD 212 - Image Evaluation and Pathology ................................... 2
- RAD 214 - Clinical Education IV ................................................... 8
- RAD 224 - Clinical Education V ..................................................... 8
- RAD 227 - Review Seminar ............................................................. 2

Total Hours Required for Degree: ......................................................... 75
Realtime Reporting - Broadcast Captioning Specialization A.A.S.

Advisors – East Broad Campus: Leah Elkins, Realtime Reporting Building (256.549.8693) lekins@gadsdenstate.edu; Michelle Roberts, Realtime Reporting Building (256.549-8629) mroberts@gadsdenstate.edu; Brooke Davis, Realtime Reporting Building (256.549-8694) brookedavis@gadsdenstate.edu

**Area I**—Written Composition: .................................................................9
- **ENG 101** - English Composition I ................................................. 3
- **ENG 131** - Applied Writing I ......................................................... 3
- **ENG 132** - Applied Writing II ......................................................... 3

**Area II**—Humanities and Fine Arts: ......................................................3
- **SPH 106** - Fundamentals of Oral Communication OR
- **SPH 107** - Fundamentals of Public Speaking OR
- **SPH 116** - Introduction to Interpersonal Communication.............. 3

**Area III**—Natural Science or Mathematics: ......................................9
- **BIO 120** - Medical Terminology ..................................................... 3
- **MTH 100** - Intermediate College Algebra OR numerically higher.................................................. 3
- **RTR 170** - Realtime Closed Captioning Technologies ................. 3

**Area IV**—History, Social and Behavioral Sciences: ............................4
- Economics, Geography, History, Political Science, Psychology, or Sociology.......................... 3
- **ORI 101** - Orientation to College.................................................... 1

**Area V**—Technical Courses: ..............................................................18
- **RTR 110** - Realtime Reporting I / Laboratory .................................. 5
- **RTR 130** - Realtime Reporting II / Laboratory .................................. 5
- **RTR 131** - Civil and Criminal Law and Terminology for Real Time Reporters.......................... 3
- **RTR 150** - Realtime Reporting III / Laboratory................................. 5

Technical Specialty: ..................................................................................33
- **RTR 171** - Broadcast Captioning I/Laboratory.................................. 5
- **RTR 172** - Broadcast Captioning II/Laboratory.................................. 5
- **RTR 173** - Broadcast Captioning III/Laboratory.................................. 5
- **RTR 175** - Realtime Closed Captioning Technology II .................. 2
- **RTR 226** - Judicial Procedures......................................................... 3
- **RTR 227** - Moot Court Practicum I.................................................. 5
- **RTR 257** - Moot Court Practicum II.................................................. 5
- **RTR 292** - Broadcast Captioning Internship.................................... 3
- **RTR 184-189** Realtime Lab I-VI (Electives)...................................... 2
- **RTR 295-299** Selected Topics in RTR (Electives).............................. 5

*Required Courses

**Total Hours Required for Degree:** ................................................................76

NOTICE(s): *Required by NCRA* For the AAS Degree in Broadcast Captioning, the student must complete a minimum of 76 credit hours—a minimum of 51 in technical courses and a minimum of 25 in general education courses—all of which must be approved by the program advisor. Courses will be selected from those listed above. Admission Requirements: High school diploma or GED, a minimum score of 62 on the English portion of the COMPASS Placement Test, a minimum score of 76 on the reading portion of the COMPASS Placement Test.

*Subject to change

This program is offered at the East Broad Campus only.

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<td>English Composition I</td>
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<td>Applied Writing II</td>
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<td>II</td>
<td>SPH 106</td>
<td>Fundamentals of Oral Communication</td>
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<td>Fundamentals of Public Speaking</td>
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<td>SPH 116</td>
<td>Introduction to Interpersonal Communication</td>
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<td>III</td>
<td>BIO 120</td>
<td>Medical Terminology</td>
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<td>MTH 100</td>
<td>Intermediate College Algebra</td>
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<td>RTR 170</td>
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<td>IV</td>
<td>ORI 101</td>
<td>Orientation to College</td>
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<td>V</td>
<td>RTR 110</td>
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<td>RTR 130</td>
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<td></td>
<td>RTR 131</td>
<td>Civil and Criminal Law and Terminology for Real Time Reporters</td>
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<td>RTR 171</td>
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<td>RTR 175</td>
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<td>RTR 226</td>
<td>Judicial Procedures</td>
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<td>RTR 227</td>
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<td>RTR 184-189</td>
<td>Realtime Lab I-VI (Electives)</td>
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<td>RTR 295-299</td>
<td>Selected Topics in RTR (Electives)</td>
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Realtime Reporting A.A.S.

Advisors – East Broad Campus: Leah Elkins, Realtime Reporting Building (256.549.8693) lelkins@gadsdenstate.edu; Michelle Roberts, Realtime Reporting Building (256.549.8629) mroberts@gadsdenstate.edu; Brooke Davis, Realtime Reporting Building (256.549.8694) brookedavis@gadsdenstate.edu

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<th>STUDENT PROGRESS</th>
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<td>Area I—Written Composition:</td>
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<td>ENG 101 - English Composition I</td>
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<td>* ENG 131 - Applied Writing I</td>
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<td>SPH 106 - Fundamentals of Oral Communication OR</td>
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<td>SPH 107 - Fundamentals of Public Speaking OR</td>
<td>3</td>
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<td>SPH 116 - Introduction to Interpersonal Communication</td>
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<td>Area III—Natural Science or Mathematics:</td>
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<td>* BIO 120 - Medical Terminology</td>
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<tr>
<td>* RTR 115 - Realtime Reporting Technology</td>
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<td>MTH 100 - Intermediate College Algebra OR numerically higher</td>
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<td>Area IV—History, Social and Behavioral Sciences:</td>
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<td>Economics, Geography, History, Political Science, Psychology, or Sociology</td>
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<td>Area V—Technical Courses:</td>
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<td>* RTR 110 - Realtime Reporting I / Laboratory</td>
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<td>* RTR 130 - Realtime Reporting II / Laboratory</td>
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<td>* RTR 131 - Civil and Criminal Law and Terminology for Real Time Reporters</td>
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<td>* RTR 150 - Realtime Reporting III / Laboratory</td>
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<tr>
<td>Technical Specialty:</td>
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<td>* RTR 210 - Realtime Reporting IV / Laboratory</td>
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<td>* RTR 220 - Realtime Reporting V / Laboratory</td>
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<td>* RTR 226 - Judicial Procedures</td>
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<td>* RTR 227 - Moot Court Practicum I</td>
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<td>* RTR 270 - Realtime Reporting VI / Laboratory</td>
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<td>* RTR 275 - Realtime Reporting Internship</td>
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<td>RTR 184-189 Realtime Lab I-VI (Electives)</td>
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<td>RTR 295-299 Selected Topics in RTR (Electives)</td>
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*Required Courses

Total Hours Required for Degree: 76

Notice(s): *Required by NCRA For the A.A.S. Degree in Realtime Reporting, the student must complete a minimum of 76 credit hours – a minimum of 51 in technical courses and a minimum of 25 in general education courses – all of which must be approved by the program advisor. Courses will be selected from those listed above. Admission Requirements: High school diploma or GED, a minimum score of 92 on the English portion of the COMPASS Placement Test and a minimum score of 76 on the reading portion of the COMPASS Placement Test. 

Subject to change

This program is offered at the East Broad Campus only.
Realtime Reporting - Litigation Assistant Short-Term Certificate

Advisors – East Broad Campus: Leah Elkins, Realtime Reporting Building (256.549.8693)
lekins@gadsdenstate.edu; Michelle Roberts, Realtime Reporting Building (256.549.8629)
mroberts@gadsdenstate.edu; Brooke Davis, Realtime Reporting Building (256.549-8694)
brookedavis@gadsdenstate.edu

STUDENT PROGRESS

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<th>Required Courses</th>
<th>Grade</th>
<th>Term Completed</th>
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<td>• RTR 130 - Realtime Reporting II / Laboratory</td>
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<td>• RTR 131 - Civil and Criminal Law and Terminology for Real Time Reporters</td>
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<td>• BIO 120 - Medical Terminology</td>
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<td>• ENG 131 - Applied Writing I</td>
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<td>• ORI 101 - Orientation to College or Elective</td>
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Total Hours Required for Certificate: ................................... 26

NOTICE(s): For the short-term certificate as Realtime Reporting Litigation Assistant, the student must complete the 26 credit hours from the courses listed above. All courses must be approved by the advisor. Admission Requirements: High school diploma or GED, a minimum score of 621 on the English portion of the COMPASS Placement Test and a minimum score of 76 on the reading portion of the COMPASS Placement Test.

1Subject to change
This program is offered at the East Broad Campus only.
Registered Nursing A.A.S.*

Advisory – Wallace Drive Campus: Pam Mayo (256.549.8257) pmayo@gadsdenstate.edu

STUDENT PROGRESS

<table>
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<th>Grade</th>
<th>Term Completed</th>
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Area I – Written Composition: ................................................................. 3
- ENG 101 - English Composition I ........................................... 3

Area II – Humanities and Fine Arts: ......................................................... 6
- Speech.................................................................................. 3
- Humanities elective......................................................... 3

Area III – Natural Sciences and Mathematics: ...................................... 15
- BIO 201 - Human Anatomy and Physiology I ......................... 4
- BIO 202 - Human Anatomy and Physiology II ..................... 4
- BIO 220 - General Microbiology.......................................... 4
- MTH 100 – Intermediate College Algebra OR
  Higher level Math (Math 116 is not a higher level Math)..... 3

Area IV – History, Social and Behavioral Sciences: ............................ 6
- PSY 200 - General Psychology ............................................. 3
- PSY 210 - Human Growth and Development .......................... 3

Area V – Professional, Major, & Elective Courses: .............................. 42
- NUR 102 - Fundamentals of Nursing ................................... 6
- NUR 103 - Health Assessment ............................................ 1
- NUR 104 - Introduction to Pharmacology .............................. 1
- NUR 105 - Adult Nursing .................................................. 8
- NUR 106 - Maternal and Child Nursing ................................. 5
- NUR 111 - Paramedic to ADN Mobility ................................. 12
- NUR 200 – LPN Role Transition to
  Associate Degree Nurse (RN) ........................................... 5
- NUR 201 - Nursing Through the Lifespan I .......................... 5
- NUR 202 - Nursing Through the Lifespan II ........................ 6
- NUR 203 - Nursing Through the Lifespan III ....................... 6
- NUR 204 - Role Transition for the Registered Nurse ......... 4

NUR ELE ³Credits awarded upon completion of LPN-RN Program 15 or 21 hours

Total Hours Required for Degree: ............................................................... 72

NOTICE(s): Gadsden State Nursing Program follows the Alabama Community College System nursing curriculum.
"Comprehensive Assessment Plan" must be completed.

A grade of less than 75% in any required nursing course constitutes failure. A student may not progress in the program until all nursing courses are successfully completed in the required sequence. A student who has failed any required nursing course for any two semesters can request readmission time only as a new student within one year of non-progression or reinstatement.

A minimum grade of “C” (70%) is required in each general education course in the program. A student who does not attain a grade of “C” in each general education course by the semester specified in the catalog/website will be dismissed from the program until the course is repeated and the required grade earned. After the required grade is earned, the student may apply for readmission, following the procedure in the catalog/website, www.gadsdenstate.edu

¹ Upon successful completion of the Paramedic to ADN Mobility Program, students will receive 14 non-traditional credit hours.
²LPN-RN Track I. Upon successful completion of NUR 200, students are eligible for entry into NUR 201. Also, upon successful completion of the LPN-RN Program, students will receive 15 non-traditional credit hours, if necessary.
³LPN-RN Track II. Students who graduated from the Alabama Community College System Practical Nursing Curriculum within the past two years will not be required to take NUR 200. Upon successful completion of the LPN-RN Program, students will receive 21 non-traditional credit hours, if necessary.
*Subject to change…The Alabama Community College System is currently revising the nursing curriculum and is finalizing a One Plus One Concepts Curriculum. A draft of the proposed changes can be seen at https://www.accs.cc/index.cfm/workforce-development/career-technical-education/health-programs.
# Religion Transfer Guide

**Advisor - Wallace Drive Campus:** Derrick Griffey (256.549.8482) dgriffey@gadsdenstate.edu

## STUDENT PROGRESS

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<tr>
<th>Area I – Written Composition:</th>
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<tr>
<td>ENG 101 - English Composition I</td>
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<td>ENG 102 - English Composition II</td>
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<td>Fine Arts</td>
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<th>Area III – Natural Sciences and Mathematics¹:</th>
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<td>MTH 110 - Finite Mathematics OR MTH 112 - Precalculus Algebra OR Higher level Math</td>
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<td>Natural Science and Lab.</td>
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<td>History</td>
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<td>PSY 200 - General Psychology</td>
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<td>SOC 200 - Introduction to Sociology</td>
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<th>Area V – Pre-Professional, Pre-Major and Electives¹:</th>
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<td>ORI 101 - Orientation to College</td>
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<td>CIS 146 - Microcomputer Applications</td>
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<td>HIS 216 - History of World Religions</td>
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<td>PSY 200 - General Psychology</td>
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<td>REL 151 - Survey of the Old Testament</td>
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<td>REL 152 - Survey of the New Testament</td>
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**Total Hours Required for Degree: 60-64**

**NOTICE(s):** ¹Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu/](http://stars.troy.edu/), and the degree requirements of the intended transfer institution.
## Science Education Transfer Guide

**Advisors – Ayers Campus:** Nancy Lee (256.835.5497) nlee@gadsdenstate.edu;  
**Gadsden State Cherokee:** Frances Vann (256.927.1823) fvann@gadsdenstate.edu;  
**McClellan Center:** James Skillman (256.238.9371) jskillman@gadsdenstate.edu;  
**Wallace Drive Campus:** Cynthia Freeman (256.549.8432) cfreeman@gadsdenstate.edu;  
Jeff Machen (256.549.8436) jmachen@gadsdenstate.edu

### STUDENT PROGRESS

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<th>Area</th>
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<th>Term Completed</th>
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<td>1. MTH 112 - Precalculus Algebra</td>
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<td>7. CIS 146 - Microcomputer Applications</td>
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### NOTICE(s):

- "Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu](http://stars.troy.edu) and the degree requirements of the intended transfer institution."
# Social Science Education Transfer Guide

**Advisors - Ayers Campus:** Todd Hamilton (256.835.5439) thamilton@gadsdenstate.edu  
**McClellan Center:** Kelley Haynes (256.238.9357) khaynes@gadsdenstate.edu  
**Wallace Drive Campus:** Richard Dobbs (256.549.8495) rdobbs@gadsdenstate.edu

## STUDENT PROGRESS

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<td>PSY 200 - General Psychology</td>
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<td>ECO 231 - Principles of Macroeconomics OR ECO 232 - Principles of Microeconomics</td>
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**Total Hours Required for Degree:** 60-64

**NOTICE(s):**  
1. Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu](http://stars.troy.edu) and the degree requirements of the intended transfer institution.
## Sociology Transfer Guide

**Advisors - Ayers Campus:** Donna Wood (256.835.5421) dwood@gadsdenstate.edu;  
**McClellan Center:** Billy Jenkins (256.238.9373) bjenkins@gadsdenstate.edu;  
**Wallace Drive Campus:** Derrick Griffey (256.549.8482) dgriffey@gadsdenstate.edu;  
Trudie Guffey (256.549.8484) tguffey@gadsdenstate.edu;  
Julie White (256.549.8301) juliewhite@gadsdenstate.edu

### STUDENT PROGRESS

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### Area I – Written Composition

- ENG 101 - English Composition I ............................... 3
- ENG 102 - English Composition II .............................. 3

### Area II – Humanities and Fine Arts

- Literature (REQUIRED: Literature OR History sequence)..... 3
- Fine Arts ........................................................................ 3
- Speech............................................................................. 3
- Humanities, Fine Arts, Literature OR Speech.................. 3

### Area III – Natural Sciences and Mathematics

- MTH 110 - Finite Mathematics OR  
- MTH 112 - Precalculus Algebra OR Higher level Math ......... 3
- Natural Science and Lab.................................................. 8

### Area IV – History, Social and Behavioral Sciences

- History............................................................................. 6
- PSY 200 - General Psychology .......................................... 3
- SOC 200 - Introduction to Sociology................................. 3

### Area V – Pre-Professional, Pre-Major and Electives

- ORI 101 - Orientation to College...................................... 1
- CIS 146 - Microcomputer Applications............................. 3
- SOC 210 - Social Problems............................................... 3
- SOC 247 - Marriage and the Family ................................ 3
- Approved Area V Electives ..............................................

### Total Hours Required for Degree

- 60-64

**NOTICE(s):**  
1) Students should consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at [http://stars.troy.edu/](http://stars.troy.edu/) and the degree requirements of the intended transfer institution.
### Speech Transfer Guide

**Advisors – Ayers Campus:** Todd Hamilton (256.835.5439) [thamilton@gadsdenstate.edu](mailto:thamilton@gadsdenstate.edu);

**Gadsden State Cherokee:** Brian Connell (256.927.1824) [bconnell@gadsdenstate.edu](mailto:bconnell@gadsdenstate.edu);

**McClellan Center:** Yolanda Monroe-Robinson (256.238.9344) [ymonroe-robinson@gadsdenstate.edu](mailto:ymonroe-robinson@gadsdenstate.edu);

**Wallace Drive Campus:** Patricia Connell (256.549.8423) [pconnell@gadsdenstate.edu](mailto:pconnell@gadsdenstate.edu);

Robert Johnston (256.549.8303) [rjohnston@gadsdenstate.edu](mailto:rjohnston@gadsdenstate.edu);

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#### STUDENT PROGRESS

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**Total Hours Required for Degree:** 60-64
# Surgical/Operating Room Technician Short-Term Certificate

**Advisor** – McClellan Center: Brenda Young, (256.238.9372) byoung@gadsdenstate.edu

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<td>- BIO 206 - Human Anatomy</td>
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<td>- MTH 116 - Mathematical Applications</td>
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<td>- HPS 100 - Safety Issues for Clinical Practice</td>
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<td>- HPS 105 - Medical Terminology</td>
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<td>- SUR 101 - Introduction to Surgical Technology</td>
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<td>- SUR 104 - Surgical Practicum I</td>
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Total Hours Required for Degree: 28

**NOTICE(s):** Subject to change due to statewide standardization of Surgical/Operating Room Technician program(s)

This program is offered at the McClellan Center only.
Welding Technology Certificate

Advisors – Ayers Campus: Gary Udaka, Welding Technology Building (256.835.5426) gudaka@gadsdenstate.edu

East Broad Campus: Frank Miller, Welding Technology Building (256.549.8653) fmiller@gadsdenstate.edu
Darren McCrary, Welding Technology Building (256.549.8657) dmccrary@gadsdenstate.edu

Area I – Written Composition: ................................................................. 3
  • COM 100 - Vocational / Technical English OR
  • ENG 101 - English Composition I .................................................. 3

Area II – Humanities and Fine Arts: ................................................. 3
  • SPC 103 - Oral Communication Skills OR
  • SPH 106 - Fundamentals of Oral Communication OR
  • SPH 107 - Fundamentals of Public Speaking OR
  • SPH 116 - Introduction to Interpersonal Communication ............ 3

Area III – Natural Science or Mathematics: .................................. 6
  • MAH 101 - Introductory Mathematics I OR
  • MTH 100 - Intermediate College Algebra OR
  numerically higher ............................................................. 3
  • DPT 100 - Introductory Computer Skills I OR
  • CIS 146 - Microcomputer Applications ................................... 3

Area IV — History, Social and Behavioral Sciences: ...................... 1
  • ORT 100 - Orientation for Career Students .............................. 1

Area V – Technical Courses: .............................................................. 15

Courses listed below are required.
  • WDT 108 - SMAW Fillet/OFC ......................................................... 3
  • WDT 109 - SMAW Fillet/PAC/CAC ............................................. 3
  • WDT 110 - Industrial Blueprint Reading ..................................... 3
  • WDT 119 - Gas Metal Arc/flux Cored Arc Welding .................. 3
  • WDT 120 - Shielded Metal Arc Welding Groove ...................... 3

Technical Specialty Approved Area V Electives: ............................. 30
  • WDT 115 - GTAW Carbon Pipe ................................................. 3
  • WDT 116 - GTAW Stainless Pipe .............................................. 3
  • WDT 122 - SMAW Fillet/OFC Lab .............................................. 3
  • WDT 123 - SMAW Fillet/PAC/CAC Lab .................................... 3
  • WDT 124 - Gas Metal Arc/flux Cored Arc Welding Lab .......... 3
  • WDT 125 - Shielded Metal Arc Welding Groove Lab .............. 3
  • WDT 155 - GTAW Carbon Pipe Lab .......................................... 3
  • WDT 156 - GTAW Stainless Pipe Lab ........................................ 3
  • WDT 157 - Consumable Welding Processes ............................ 3
  • WDT 158 - Consumable Welding Processes Lab ...................... 3
  • WDT 160 – Robotic Programming & Welding ......................... 3
  • WDT 166 - Flux Core Arc Welding (FCAW) ............................ 3
  • WDT 167 – Flux Core Arc Welding Lab .................................... 3
  • WDT 180 - Special Topics OR
    WDT 181 - Special Topics Lab OR
  • WDT 182 - Special Topics ....................................................... 3
  • WDT 183 - Special Topics ....................................................... 2
  • WDT 183 M - Special Topics Lab ............................................ 3
  • WDT 184 – Special Topics ....................................................... 1
  • WDT 185 – Special Topics Lab ............................................... 3
### STUDENT PROGRESS

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<td>WDT 291 - Co-Op OR</td>
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<td>WDT 217 - SMAW Carbon Pipe</td>
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<td>WDT 218 - Certification</td>
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<td>WDT 219 - Welding Inspection &amp; Testing</td>
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<td>WDT 221 - Pipefitting and Fabrication</td>
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<td>WDT 223 - Blueprint Reading for Fabrication</td>
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<td>WDT 228 - Gas Tungsten Arc Welding</td>
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<td>WDT 229 - Boiler Tube</td>
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<td>WDT 230 - Orbital Gas Tungsten Arc Welding</td>
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<td>WDT 240 - Orbital Gas Tungsten Arc Welding Lab</td>
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<td>WDT 250 - Pipe Preparation for Orbital Welding Lab</td>
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<td>WDT 257 - SMAW Carbon Pipe Lab</td>
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<td>WDT 258 - Certification Lab</td>
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<td>WDT 268 - Gas Tungsten Arc Lab</td>
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<td>WDT 269 - Boiler Tube Lab</td>
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<td>WDT 281 - Special Topics in Welding Technology</td>
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Total Hours Required for Certificate: 58

**NOTICE(s):** For the certificate in Welding Technology, the student must complete a minimum of 58 credit hours – 45 in technical courses and 13 in general education courses – all of which must be approved by the advisor. Required courses may vary to provide options and to meet student needs. Courses will be selected from those listed above. Admission Requirement: The student must be age 17 or older.
**Welding Technology Pipe Tube Welding Short-Term Certificate**

**Advisors - Ayers Campus:** Gary Udaka, Welding Technology Building (256.835.5426) gudaka@gadsdenstate.edu;  
**East Broad Campus:** Frank Miller, Welding Technology Building (256.549.8653) fmiller@gadsdenstate.edu;  
Darren McCrary, Welding Technology Building (256.549.8657) dmccrary@gadsdenstate.edu

### Required Courses
- WDT 108 - SMAW Fillet/OFC .................................. 3
- WDT 110 - Industrial Blueprint Reading .................. 3
- WDT 115 - GTAW Carbon Pipe ............................. 3
- WDT 119 - Gas Metal Arc/Flux Cored Arc Welding ...... 3
- WDT 120 - Shielded Metal Arc Welding Groove .......... 3
- WDT 125 - Shielded Metal Arc Welding Groove Lab ...... 3
- WDT 155 - GTAW Carbon Pipe Lab .......................... 3
- WDT 183 M - Special Topics Lab ............................. 3
- WDT 185 – Special Topics Lab ................................ 3
- WDT 217 - SMAW Carbon Pipe .............................. 3
- WDT 223 - Blueprint Reading for Fabrication .......... 3
- WDT 229 - Boiler Tube ........................................... 3
- WDT 257 - SMAW Carbon Pipe Lab .......................... 3
- WDT 269 - Boiler Tube Lab .................................... 3
- * ORT 100 - Orientation for Career Students ......... 1

*Required Course

### STUDENT PROGRESS

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### Total Hours Required for Certificate: ............................................. 28

**NOTICE(s):** For the short-term certificate in Welding Technology, the student must complete 28 of the 43 credit hours listed above. All courses must be approved by the advisor. Admission Requirement: The student must be age 17 or older.
# Welding Technology Short-Term Certificate

**Advisors – Ayers Campus:** Gary Udaka, Welding Technology Building (256.835.5426) [gudaka@gadsdenstate.edu](mailto:gudaka@gadsdenstate.edu);
**East Broad Campus:** Frank Miller, Welding Technology Building (256.549.8653) [fmiller@gadsdenstate.edu](mailto:fmiller@gadsdenstate.edu);
Darren McCrary, Welding Technology Building (256.549.8657) [dmccrary@gadsdenstate.edu](mailto:dmccrary@gadsdenstate.edu)

<table>
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<tr>
<th>Required Courses</th>
<th>Grade</th>
<th>Term Completed</th>
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<tbody>
<tr>
<td>WDT 108 - SMAW Fillet/OFC</td>
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<tr>
<td>WDT 109 - SMAW Fillet/PAC/CAC</td>
<td>3</td>
<td></td>
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<tr>
<td>WDT 110 - Industrial Blueprint Reading</td>
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<tr>
<td>WDT 119 - Gas Metal Arc/Flux Cored Arc Welding</td>
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<tr>
<td>WDT 122 - SMAW Fillet/OFC Lab</td>
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<tr>
<td>WDT 123 - SMAW Fillet/PAC/CAC Lab</td>
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<tr>
<td>WDT 124 - Gas Metal Arc/Flux Cored Arc Welding Lab</td>
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<tr>
<td>WDT 157 - Consumable Welding Processes</td>
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<tr>
<td>WDT 158 - Consumable Welding Processes Lab</td>
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<tr>
<td>WDT 160 – Robotic Programming and Welding</td>
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<td>WDT 166 - Flux Core Arc Welding (FCAW)</td>
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<tr>
<td>WDT 167 – Flux Core Arc Welding Lab</td>
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<tr>
<td>WDT 185 – Special Topics Lab</td>
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<tr>
<td>* ORT 100 - Orientation for Career Students</td>
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*Required Course

**Total Hours Required for Certificate:** ....................................................... 28

**NOTICE(s):** For the short-term certificate in Welding Technology, the student must complete 28 credit hours from the 40 credit hours listed above. All courses must be approved by the advisor. Admission Requirement: The student must be age 17 or older.
Word Processing Specialist Short-Term Certificate

Advisors – Ayers Campus: Glenda Copeland (256.835.5446) gcopeland@gadsdenstate.edu;
Wallace Drive Campus: Fay Scott (256.439.6876) fscott@gadsdenstate.edu;
Larrhea Sims (256.439.6904) lsims@gadsdenstate.edu

STUDENT PROGRESS

<table>
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<tr>
<th>Course</th>
<th>Grade</th>
<th>Term Completed</th>
</tr>
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<tbody>
<tr>
<td>ORI 101 - Orientation</td>
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<td>to College</td>
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<tr>
<td>CIS 146 - Microcomputer Applications</td>
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<tr>
<td>CIS 147 - Advanced Micro Applications</td>
<td>3</td>
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<tr>
<td>OAD 101 - Beginning Keyboarding</td>
<td>3</td>
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<tr>
<td>OAD 103 - Intermediate Keyboarding</td>
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<tr>
<td>OAD 104 - Advanced Keyboarding</td>
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<tr>
<td>OAD 125 - Word Processing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>OAD 126 - Advanced Word Processing</td>
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</tr>
<tr>
<td>OAD 218 - Office Procedures</td>
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</table>

Total Hours Required for Certificate: 25

NOTICE(s): Students should 1) consult with an advisor and 2) refer to the Statewide Transfer and Articulation Reporting Systems (STARS) located at http://stars.troy.edu/ and the degree requirements of the intended transfer institution.
Required Courses for the Partnership between Athens and the two-year colleges

CHM 111 - College Chemistry I
CHM 112 - College Chemistry II
CHM 221 - Organic Chemistry I
CHM 222 - Organic Chemistry II

MTH 113 - Precalculus Trigonometry

PHY 201 - General Physics I Trig Based
PHY 202 - General Physics II Trig Based

Fine Arts
ART 100 - Art Appreciation
ART 203 - Art History I
ART 204 - Art History II

MUS 101 - Music Appreciation

THR 120 - Theater Appreciation
THR 126 - Introduction to Theater

History
HIS 101 - Western Civilization I
HIS 102 - Western Civilization II

HIS 201 - United States History I
HIS 202 - United States History II

History, Social and Behavioral Sciences
ECO 231 - Principles of Macroeconomics
ECO 232 - Principles of Microeconomics

GEO 100 - World Regional Geography
GEO 101 - Principles of Physical Geography
HEC 140 - Principles of Nutrition

HIS 101 - Western Civilization I
HIS 102 - Western Civilization II
HIS 201 - United States History I
HIS 202 - United States History II
HIS 216 - History of World Religions

POL 211 - American National Government
POL 220 - State and Local Government

PSY 200 - General Psychology
PSY 210 - Human Growth and Development
PSY 230 - Abnormal Psychology

REL 151 - Survey of the Old Testament
REL 152 - Survey of the New Testament

SOC 200 - Introduction to Sociology
SOC 208 - Introduction to Criminology
SOC 209 - Juvenile Delinquency

SOC 210 - Social Problems
SOC 217 - Criminal and Deviant Behavior
SOC 247 - Marriage and the Family

Humanities and Fine Arts

Humanities
ENG 131 - Applied Writing I
ENG 132 - Applied Writing II
ENG 251 - American Literature I
ENG 252 - American Literature II
ENG 261 - English Literature I
ENG 262 - English Literature II

HUM 101 - Introduction to Humanities I
HUM 102 - Introduction to Humanities II

PHL 206 - Ethics and Society

POR 101 - Introductory Portuguese I
POR 102 - Introductory Portuguese II

REL 151 - Survey of the Old Testament
REL 152 - Survey of the New Testament

SPA 101 - Introductory Spanish
SPA 102 - Introductory Spanish II
(Other Foreign Languages as offered)

Fine Arts
ART 100 - Art Appreciation
ART 109 - Art Museum Survey
ART 113 - Drawing I
ART 114 - Drawing II
ART 121 - Two-Dimensional Composition I
ART 203 - Art History I
ART 204 - Art History II
ART 231 - Watercolor Painting I
ART 232 - Watercolor Painting II
ART 233 - Painting I
ART 234 - Painting II
ART 253 - Graphic Design I
ART 254 - Graphic Design II
ART 258 - Photographic and Media Problems: Digital Media
ART 299 - Art Portfolio

HUM 101 - Introduction to Humanities I
HUM 102 - Introduction to Humanities II

MUS 101 - Music Appreciation
MUS 111 - Music Theory I
MUS 112 - Music Theory II
MUS 115 - Fundamentals of Music
MUS 211 - Music Theory III
MUS 212 - Music Theory IV
THR 113 - Theater Workshop I
THR 114 - Theater Workshop II
THR 120 - Theater Appreciation
THR 126 - Introduction to Theater
THR 131 - Acting Techniques I
THR 132 - Acting Techniques II

Humanities, Fine Arts, Literature and Speech

Humanities
ENG 131 - Applied Writing I
ENG 132 - Applied Writing II
ENG 251 - American Literature I
ENG 252 - American Literature II
ENG 261 - English Literature I
ENG 262 - English Literature II

HUM 101 - Introduction to Humanities I
HUM 102 - Introduction to Humanities II

PHL 206 - Ethics and Society

POR 101 - Introductory Portuguese I
POR 102 - Introductory Portuguese II

REL 151 - Survey of the Old Testament
REL 152 - Survey of the New Testament

SPA 101 - Introductory Spanish
SPA 102 - Introductory Spanish II
(Other Foreign Languages as offered)

Fine Arts
ART 100 - Art Appreciation
ART 109 - Art Museum Survey
ART 113 - Drawing I
ART 114 - Drawing II
ART 121 - Two-Dimensional Composition I
ART 203 - Art History I
ART 204 - Art History II
ART 231 - Watercolor Painting I
ART 232 - Watercolor Painting II
ART 233 - Painting I
ART 234 - Painting II
ART 253 - Graphic Design I
ART 254 - Graphic Design II
ART 258 - Photographic and Media Problems: Digital Media
ART 299 - Art Portfolio

Speech
SPH 106 - Fundamentals of Oral Communication
SPH 107 - Fundamentals of Public Speaking
SPH 116 - Introduction to Interpersonal Communication

HUM 101 - Introduction to Humanities I
HUM 102 - Introduction to Humanities II

MUS 101 - Music Appreciation
MUS 111 - Music Theory I
MUS 112 - Music Theory II
MUS 115 - Fundamentals of Music
MUS 211 - Music Theory III
MUS 212 - Music Theory IV

THR 113 - Theater Workshop I
THR 114 - Theater Workshop II
THR 120 - Theater Appreciation
THR 126 - Introduction to Theater
THR 131 - Acting Techniques I
THR 132 - Acting Techniques II

Literature
ENG 251 - American Literature I
ENG 252 - American Literature II
ENG 261 - English Literature I
ENG 262 - English Literature II

Natural Sciences
AST 220 - Introduction to Astronomy

BIO 103 - Principles of Biology I
BIO 104 - Principles of Biology II
BIO 201 - Human Anatomy and Physiology I
BIO 202 - Human Anatomy and Physiology II
BIO 206 - Human Anatomy
BIO 220 - General Microbiology

CHM 104 - Introduction to Inorganic Chemistry
CHM 105 - Introduction to Organic Chemistry
CHM 111 - College Chemistry I
CHM 112 - College Chemistry II
CHM 221 - Organic Chemistry I
CHM 222 - Organic Chemistry II

PHS 111 - Physical Science I
PHS 112 - Physical Science II

PHY 201 - General Physics I Trig Based
PHY 202 - General Physics II Trig Based
PHY 213 - General Physics with Calculus I
PHY 214 - General Physics with Calculus II
Gadsden State Community College Employees

President's Cabinet
Dr. Martha G. Lavender ................................................................. President
A.S., Gadsden State Community College
B.S.N., Jacksonville State University
M.S.N. and Ph.D., University of Alabama at Birmingham
Dr. Leslie Worthington .............................................................. Dean of Academic Programs and Services
B.A., M.A., Ph.D., Auburn University
Ed.S., Troy University
Dr. James R. Prucnal ............................................................... Dean of Financial and Administrative Services
A.S., Gadsden State Junior College
B.S., Jacksonville State University
M.B.A., Auburn University
Ed.D., University of Alabama
Mr. Timothy W. Green ......................................................... Dean of Technical Education and Workforce Development
A.A.T., Alabama Technical College
B.T., Jacksonville State University
M.Ed., Alabama A & M University
Dr. Teresa C. Rhea .............................................................. Acting Dean of Enrollment and Retention
B.S., M.A. and Ed.D., University of Alabama
Mr. Timothy E. Smith ................................................................. Chief Information Officer
B.S., Jacksonville State University
M.A., University of Alabama
Dr. Deborah L. Curry ............................................................... Dean of Health Sciences
B.S.N., Jacksonville State University
M.S.N., University of Alabama-Birmingham
D.N., Rush University

Intercollegiate Athletics
Mike Cancilla ........................................................................... Athletic Director
Marty Dixon ........................................................................ Women’s Basketball Coach
Vacant ......................................................................................... Men’s Basketball Coach
Michael Shane Sanderson ......................................................... Women’s Softball Coach
Angela Sanders ...................................................................... Women’s Volleyball Coach
Ernest Stewart ......................................................................... Tennis Coach

Full-time Faculty and Staff
Abernathy, Barry (1997) .......................................................... Drafting & Design Technology Instructor
A.A.T., Harry M. Ayers State Technical College
A.A.S., Gadsden State Community College
B.S., Jacksonville State University
Abernathy, Linda (1996) .......................................................... Administrative Assistant
A.A.S., Gadsden State Community College
Abernathy, Penny (1993) ............................................................. Grants Budget Manager
A.S. and A.A.S., Gadsden State Community College
B.A., Samford University
M.A., University of Alabama
Adams, Donna A. (2000) .......................................................... Clerk
Certificate, Gadsden State Community College
Adams, Timothy (2003) ............................................................. Aquaculture Technician
Mathematics Lab Technician
B.S.Ed., Jacksonville State University
M.S., University of Alabama at Birmingham
Aldridge, Karen Nicole (2014) .......................................................... Clerk
B.S., Jacksonville State University
Allen, Audra W. (2009) .............................................................. Clerk
M.S., University of Alabama at Birmingham
Anderson, Julie V. (2013) ............................................................. Clerk
Certificate and A.A.S., Gadsden State Community College
Angel, Scott (1999) .................................................................. Custodial Employee
Arrington, Cilicia C. (2013) ................................................................. Custodial Employee
Aultman, Sarah L. (2005) ................................................................. Assistant Director of Student Support Services
................................................................. B.A., California State University--San Marcos
................................................................. M.S., Jacksonville State University
Baker, Johnny B. (2001) ................................................................. Director of Adult Education Services
................................................................. A.A.S., Gadsden State Community College
................................................................. B.S., Thomas Edison State College
................................................................. M.S., Alabama A & M University
Barnett, David A. (1992) ................................................................. Electronics Engineering Technology Instructor
................................................................. A.A.S., Jefferson State Junior College
................................................................. B.S.E.E., University of Alabama-Birmingham
................................................................. M.S., University of Alabama-Huntsville
Barnhill, T. Melia (1993) ................................................................. English Instructor
................................................................. B.A., Murray State University
................................................................. M.A., Western Kentucky University
Batista, Scynea (1992) ................................................................. Administrative Assistant
................................................................. A.A.S., Gadsden State Community College
................................................................. Certificate and A.S., Chaffey College (California)
................................................................. B.S., University of Alabama
Beck, Lindsey B. (2014) ................................................................. Career Coach
Black, Bradley S. (2003) ................................................................. Welding Instructor
................................................................. A.A.S. and Certificate, Gadsden State Community College
Bonner, J. Tracy (2015) ................................................................. Cosmetology Instructor
................................................................. Certificate, Gadsden State Community College
................................................................. A.A.S., Jefferson State Community College
................................................................. B.S., Jacksonville State University
Booker, George T., Jr. (2014) ................................................................. Assistant to the Director, CARCAM
................................................................. A.S., Gadsden State Community College
Bouldin, Deborah (1994) ................................................................. Computer Systems Technician
................................................................. Diploma, Harry M. Ayers State Technical College
Bowen, Julie P. (1998) ................................................................. Chemistry Laboratory Technician
................................................................. A.S., Gadsden State Community College
................................................................. B.S., Auburn University
................................................................. A.A.S., Gadsden State Community College
................................................................. English/Developmental Studies Instructor
................................................................. B.A., Jacksonville State University
................................................................. M.A., University of Alabama at Birmingham
Bradford, L. Michele (1992) ................................................................. Director of Legal Affairs
................................................................. B.S., Livingston University
................................................................. J.D., Cumberland School of Law (Samford University)
Bridges, Jimmy (1993) ................................................................. Administrative Assistant
................................................................. A.S., Gadsden State Community College
Bridges, Nona, CAP (1994) ................................................................. Administrative Assistant
................................................................. A.A.S., Gadsden State Community College
Bright, Jennifer L. (2011) ................................................................. Assistant Accountant
................................................................. B.S., Jacksonville State University
Brightman, George E. (2002) ................................................................. Maintenance Employee
Brown, Haley C. (2011) ................................................................. Educational Talent Search Program Outreach Advisor
................................................................. B.S.B.A., Auburn University
................................................................. M.B.A., Jacksonville State University
Brown, Jared E. (2013) ................................................................. Clerk
................................................................. A.S., Gadsden State Community College
Brown, Kathy L. (1998) ................................................................. Administrative Assistant
................................................................. A.A.S., Gadsden State Community College
................................................................. B.S., Jacksonville State University

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Brown, Patrick T. (2004) ................................................ Emergency Medical Services Program Director/Instructor
B.S., Jacksonville State University

Brown, Susan Williams (1990) .................. Assistant to Dean of Instructional Services/Mathematics Instructor & Division Chair for Mathematics & Engineering
B.S. and M.S., Jacksonville State University
Ed.D., University of Alabama

Burger, Billa Bowen (2012) .............................. Computer Science Instructor
B.S.Ed., B.S., and M.S., Jacksonville State University

Burgess, David (1983) ...................................... Director of Computer Systems
A.A.T., Alabama Technical College

Burgess, Dorothy (1990) .............................. Librarian
B.A., Jacksonville State University
M.L.S., University of Alabama

Burney, Bridget B. (1996) .............................. Dean of Program Development
B.S.Ed. and M.S., Jacksonville State University

Burt, Stacey J. (2005) ........................................ Clerk
A.A.S., Gadsden State Community College

Burtram, Matthew M. (2007) ................................. Technical Division Advisor
B.A., M.A., University of Alabama

Byers, Carl (1991) ........................................ Valley Street Campus Director
B.A., Talladega College
M.A., University of Alabama

Diploma and A.O.T., Central Alabama Community College

Camp, Cynthia G., CAP (2008)................................. Administrative Assistant
A.A.S., Northeast Alabama State Junior College

Campbell, Donnette C. (1998) ....................... Clerk
A.A.S., Gadsden State Community College

Campbell, Kimberly C. (2009) .................. Retention Advisor
B.A., Talladega College
M.P.A., Jacksonville State University

Cancilla, Michael A. (2007) ................ Athletic Director/Academic Director for Health, Physical Education & Recreation
B.S. and M.P.E., Springfield College

Cano, Cynthia (1998) ........................................ Clerk
A.A.S., Gadsden State Community College

Capel, Catherine Ann (2004) ......................... English Instructor
B.S.Ed. and M.A., University of Alabama

A.A.S., Gadsden State Community College

Carter, Kimberly A. (1996) ............................... Director of Purchasing
B.S., Alabama A & M University

Carter, Timothy (1987) ....................................... Software Analyst
A.A.S., Gadsden State Community College

Cephus-Vickers, Cheryl (2005) ................ Associate Dean of Student Services/ Director of Counseling Services
B.A. and M.A., Fisk University
Ed.D., Nova Southeastern University

Clark, Emily B. (2014) ........................................... Career Coach
B.S., Jacksonville State University

Clark, Jacqueline M. (2002) ................................. Director of Financial Services
B.B.A., University of Montevallo

Clifton, Kristina D. (2012) .............................. Cosmetology Instructor
Certificate, Gadsden State Community College

Clough, Pamela Watts (1993) ......................... Arledge Center Coordinator
B.S., Jacksonville State University
M.A., University of Alabama

Cobb, Kimberly S. (1988) .............................. Director of Human Resources
A.S., Gadsden State Community College
B.S. and M.B.A., Jacksonville State University

..............................
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2015-2016 Catalog and Student Handbook

Cobb, Tony (1998) ................................................................. Computer Science Instructor
B.S. and M.A., Jacksonville State University

Coffey, Staci Oden (1995) ....................................................... Nursing Instructor
B.S.N., Jacksonville State University
M.S.N., University of Phoenix

Cole, Deborah C. (2011) ......................................................... Clinical Laboratory Technology Program Instructor
B.S., University of Alabama at Birmingham
M.S.Ed., Jacksonville State University

Collier, Rita W. (2008) ............................................................. Chemistry Instructor
B.S., Samford University
M.S.Ed., Jacksonville State University
Ed.S., University of Alabama

Collins, David (2004) ............................................................. Job Developer

Collins, Marilyn D. (1998) ...................................................... Administrative Assistant
A.A.T., Trenholm State Technical College

Colvin, Shirley (1996) ......................................................... Assistant Dean of Instruction--Science
B.S. and M.S., Alabama A & M University

Conger, Michele (1994) ....................................................... Director of Student Services/Campus Director, Ayers Campus
A.S., Gadsden State Community College
B.S. and M.A., Jacksonville State University

Connell, Brian W. (2009) ...................................................... Speech Instructor
B.A., University of Alabama--Birmingham
M.A., University of Montevallo

Connell, Patricia Carr (1993) ................................................. Speech/Drama Instructor
B.S. and M.A., University of Montevallo

Copeland, Glenda (1994) ...................................................... Office Administration Instructor
B.S., and M.S., Jacksonville State University
Ed.S., University of West Georgia

Cornutt, Lonnie Franklin (2006) .............................................. Computer Science (Network Administration Instructor/
Coordinator of CISCO Program
B.S., Auburn University

Crain, Lauren (2015) .............................................................. Title III Program Advisor
B.A., University of Alabama
M.Ed., University of Montevallo

Cunningham, Edwina Kay (2014) .......................................... Emergency Medical Services Instructor
A.A.S., Gadsden State Community College

Curry, Deborah L. (2016) ....................................................... Dean of Health Sciences
B.S.N., Jacksonville State University
M.S.N., University of Alabama-Birmingham
D.N., Rush University

Curtis, James Alan, Jr. (2015) ................................................. Art Instructor
B.F.A., Jacksonville State University
M.A.Ed., University of Alabama at Birmingham

D'Eath, Kelly J. (2006) .............................................................. Director of Financial Aid, TRA, WIA, VA
B.S., Jacksonville State University
M.A., University of Alabama

Daugherty, Kathy J. (1994) ...................................................... Cosmetology Lab Assistant
Diploma, Harry M. Ayers State Technical College

A.A.S., Gadsden State Community College

Davis, Candace F. (2014) ...................................................... Mathematics Instructor
B.S.Ed., Jacksonville State University
M.A., University of Alabama

Davis, Dana J. (1998) ......................................................... Admissions Counselor
B.S., Martin Methodist College (Tennessee)
M.S., Jacksonville State University
Ed.D., University of Alabama

Davis, D. Stewart (1998) ...................................................... Director of Physical Plant
A.S., Gadsden State Community College
B.S., Faulkner University

Davis, Kelli (2005) .............................................................. Nursing Instructor
B.S.N. and M.S.N., Jacksonville State University
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Davis, Melissa W. (2005) ............................................................. Director of Student Support Services
B.S.W., Jacksonville State University
M.S.W., University of Alabama

Davis, Melvin A. (2013) ............................................................. Custodial Employee
A.A.S., Gadsden State Community College

Denney, James M. (2010) ............................................................. Computer Systems Technician
B.S., University of Alabama

Dennis, Angela K. (2007) ............................................................. Clerk
A.A.S., Gadsden State Community College

Dorsett, Barbara B. (2011) ............................................................. Biology Instructor
B.S., University of Alabama-Birmingham

B.S.W. and M.S., Jacksonville State University

Duckett, Rebecca Jill (2015) ......................................................... Director of International Programs/Alabama Language Institute
B.S., Carson-New University
M.A., University of South Carolina

Dunn, Jerry (2004) ................................................................. Maintenance Technician
A.A.S., Gadsden State Community College

Eden, Kenisha (2012) ............................................................. Clerk
A.A.S., Gadsden State Community College

Edmondson, Chris K. (2011) ......................................................... Biology Instructor
B.S. and M.S., Jacksonville State University

Edmondson, Jacqueline (2015) ................................................. Director of Public Relations and Marketing
B.S., Troy University

Elam, Beverly B. (2001) ............................................................. Administrative Assistant
A.A.S., Gadsden State Community College

Elkins, Leah M. (2002) ............................................................. Realtime Reporting Program Instructor
A.A.S., Gadsden State Community College

Ellis, Efferson Jr. (2011) ............................................................. Security Employee
A.A. and Certificate, Pasco-Hernando Community College

Enders, Elizabeth R. (2007) ........................................................... Clerk

B.A., University of Alabama
M.Ed., University of West Alabama-Livingston

B.A., University of Alabama

Ford, Leigh A. (2009) ............................................................. Nursing Instructor
A.A.S., Gadsden State Community College

Foster, Linda (1992) ............................................................. Custodial Employee
B.S.N. and M.S.N., Jacksonville State University

Foster, Mary Christine (2016) ..................................................... Student Support Services Academic Advisor
B.A., Utica College of Syracuse University
M.Ed., Seattle University

Freeman, Tia N. (2009) ............................................................. Director of Veterans Upward Bound Program
B.S., Birmingham-Southern College
M.B.A., Jacksonville State University

Fuller, Belinda (2002) ............................................................. Nursing Instructor
B.S.N. and M.S.N., Jacksonville State University

Fulmer, Linda (2002) ............................................................. Assistant Accountant
Certificate, Gadsden State Community College

Gaines, Joe (2014) ............................................................. Security Employee
Gaither, Ashley M. (2015) ......................................................... Career Coach
B.A. and M.P.A., Jacksonville State University

Gaither, Jeffrey L. (2005) ......................................................... Machine Tool Technology Instructor
A.A.S., Gadsden State Community College
B.Ed., Athens State University

Gaither, Marlene M. (2002) ......................................................... Clerk
A.A.S., Gadsden State Community College

Gallardo, Mario E. (2003) ......................................................... Art Instructor
Chair of the Division of Fine Arts
B.F.A., Jacksonville State University
M.F.A. and M.A., University of Alabama

Garner, Zora (1999) ......................................................... Cosmetology Instructor
Certificate, Harry M. Ayers State Technical College
A.S., Gadsden State Community College

Gearhart, Lila (2000) ......................................................... Student Services Outreach Counselor
A.A.S., Gadsden State Community College
B.S., M.S., and Ed.S., Jacksonville State University

Geislinger, Brian J. (2007) ......................................................... Physics Instructor
B.S., Spring Hill College
M.S. and Ph.D., University of Alabama--Birmingham

Gibson, Robert M. (2006) ......................................................... Public Services Librarian
B.S.Ed. and M.L.I.S., University of Alabama

Gilbert, Jeana L. (2015) ......................................................... Biology Instructor
B.S.Ed. and M.S.Ed., Jacksonville State University

Gilbert, Nancy M. (1992) ......................................................... Biology Instructor
B.S., Jacksonville State University
M.A., University of Alabama

Gilchrist, Brandy L. (2001) ......................................................... Computer Systems Technician
A.S., Gadsden State Community College
B.S., Jacksonville State University

Gilley, Theresa J. (2003) ......................................................... Administrative Assistant
A.A.S., Gadsden State Community College

Gilliland, Michael Lance (2007) ................................................. Health, Physical Education & Recreation Instructor
A.S., Wallace State Community College
B.S., University of Alabama at Birmingham
M.S.Ed., Jacksonville State University

Gillison-Parker, Kathy (1994) ......................................................... Outreach Advisor
A.A.S., Gadsden State Community College
B.S., Jacksonville State University

Goggins, Charlotte B. (1993) ......................................................... Financial Aid Supervisor
A.A.S., Gadsden State Community College

Gray, Beth (1994) ......................................................... English/Developmental English Instructor/
Coordinator of Academic Education-Ayers Campus
B.S., M.S., and Ed.S., Jacksonville State University

Gray, Carol (2002) ......................................................... Clerk
A.A.S., Gadsden State Community College

Green, Audrey M. (2005) ......................................................... Nursing Instructor
Certificate, Ayers State Technical College
A.A.S., Gadsden State Community College
B.S.N. and M.S.N., University of Alabama—Huntsville

Green, Timothy W. (1986) ......................................................... Dean of Technical Education and Workforce Development
A.A.T., Alabama Technical College
B.T., Jacksonville State University
M.Ed., Alabama A & M University

Greer, Cindy A. (1996) ......................................................... Admissions Counselor
B.S., M.S., and Ed.S., Jacksonville State University

Gregg, Kimberly P. (2008) ......................................................... Nursing Instructor
B.S.N., Jacksonville State University
M.S.N., University of Alabama—Birmingham
Griffey, James Derrick (2008) .................................................. Sociology/History Instructor
A.A., Gadsden State Community College
B.S.Ed., Jacksonville State University
M.A., University of Alabama
Grimes, Timothy (1992) .......................................................... Maintenance Technician
Guffey, Trudie R. (2004) .......................................................... Psychology Instructor/Coordinator of Dual Enrollment
B.A., Auburn University
M.S., Jacksonville State University
Hall, Whitney S. (2014) ............................................................. Acting Coordinator of Student Engagement
B.A., Howard University
Hayes, Farrah R. (2015) ............................................................. Director of Economic Development-Cherokee/Campus Director
B.A., M.S.Ed. and Ed.S., Jacksonville State University
Hayes, Luanne P. (2008) .......................................................... Director of Economic Development-Cherokee/Campus Director
B.S., Auburn University
Haynes, Cynthia (1992) ........................................................... Administrative Assistant
Diploma, Harry M. Ayers State Technical College
Hammonds, Kenneth E. (2013) .................................................. Custodial Employee
Hanshew, Charles J. (1999) ....................................................... Truck Driving Training Specialist/Examiner
Harbin, R. Elise (2005) .............................................................. Alabama Language Institute Instructor
B.A., Rhodes College
M.A., Pennsylvania State University
M.S. and Ph.D., University of Alabama-Birmingham
Hardy, Timothy D. (2001) ......................................................... Air Conditioning & Refrigeration Technology Instructor
A.A.S., A/C-Refrigeration and A.A.S., Electricity, Gadsden State Community College
B.S., Athens State University
M.S., Alabama A & M University
Harrell, John T. (2011) .............................................................. Music Instructor
B.M., Samford University
M.C.M., Southern Baptist Theological Seminary
Harris, Alicia N. (2001) ............................................................. Administrative Assistant
A.S., Gadsden State Community College
Harris, Ramona (1999) ............................................................. Mathematics Instructor
B.S., Jacksonville State University
M.A., Ed.S., and Ph.D., University of Alabama
Harrison, James Christopher (2008) ........................................... English Instructor
B.A., Jacksonville State University
M.A., University of Alabama at Birmingham
Hartley, David (1992) .............................................................. Testing Coordinator
Diploma, Harry M. Ayers State Technical College
Hartline, Thomas R. (1997) ....................................................... Electronics Instructor/Co-Division Chair—Gadsden Engineering Technologies
A.A.S., Gadsden State Community College
B.S., Thomas A. Edison State College
M.Ed., Alabama A & M University
Harvey, Melinda (1985) ........................................................... Librarian
A.S., Gadsden State Junior College
B.S. and M.S., Jacksonville State University
M.L.S., Vanderbilt University
Hawkins, Susan P. (2005) .......................................................... Assistant Accountant
A.S., Gadsden State Community College
Hayes, Kelley Tucker (1998) .................................................... Computer Science Instructor/Coordinator of McClellan Center
B.S. and M.B.A., Jacksonville State University
Heard, Timothy (1994) ................................................................. Security Manager
Hendrickson, Robert B. (2008) ...................................................... Art Instructor
Hicks, Cathy L (2014) ................................................................. Manager-Scholarship Programs
Hilderbrand, Beverly B., CPS (1994) ........................................... Center Director/PI, CARCAM
Hill, Donald Bruce (2007) ......................................................... Automotive Collision Repair Technology Instructor
Hill, Mary Emily (2006) ............................................................. Clerk
Hill, Shernevelyne (1998) .......................................................... Manager
Hollingsworth, Alison J. (2016) ..................................................... Accounting Instructor
Hollingsworth, John A. (2012) ...................................................... Emergency Medical Services Instructor
Hood, Xianglan Y. (2006) ............................................................. Chemistry Instructor
Howard, Deborah L. (2005) ........................................................ Criminal Justice Instructor
Howard, Elizabeth R. (2015) ......................................................... Paralegal Instructor
Hulsey, Joseph D. (2015) .............................................................. Air Conditioning/Refrigeration Technology Instructor
Hunt, Paula M. (2015) ................................................................. Nursing Instructor
Hutchinson, Laetitia C. (2012) ...................................................... Psychology Instructor
Hyatt, James D., Jr. (2006) ......................................................... Civil Engineering Technology Instructor
Isom, Christina Dilges (2003) ....................................................... Public Safety Telecommunication Program Instructor
Jackson, Pamela R. (2008) .......................................................... Nursing Instructor
Jenkins, Billy J. (2014) ................................................................. Psychology Instructor
Click on any link to be taken to that entry

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M.A. and Ed.D., University of Alabama
Ed.S., Jacksonville State University

Johnson, Jay D. (2000) ................................................................. Database Administrator
B.S., Jacksonville State University

Johnson, James C., Jr. (2002) ......................................................... GED Chief Examiner
A.S., Jeff Davis State Junior College
B.S. and J.D., Faulkner University
M.A., American Military University

Johnson, Pamela H. (1994) ............................................................ Associate Dean of Institutional Advancement & Community Services
B.S., University of Alabama
M.B.A., Jacksonville State University

Johnston, Jessica M. (2001) ............................................................ Clerk
A.A.S., Gadsden State Community College

Johnston, Robert H., Jr. (2000) ......................................................... Speech Instructor
B.A., Auburn University
M.A., University of Montevallo

Jones, Brenda K. (2005) ............................................................... Nursing Instructor
B.S.N., Jacksonville State University
M.S.N., University of Alabama-Birmingham

Jones, LaDonna K. (2011) ............................................................... Nursing Instructor
A.A.S., Gadsden State Community College
B.S.N. and M.S.N., Jacksonville State University

Jones, Rita A. (2007) ................................................................. Educational Talent Search Program Outreach Advisor
B.A., Talladega College

Jordan, Margie A. (2012) ............................................................... Nursing Instructor
B.S.N., Jacksonville State University
M.S.N., University of Alabama

Junior, Annette (2001) ............................................................... Administrative Assistant
A.A.S., Gadsden State Community College

Kendrick, Kathy B. (2006) ............................................................. Clerk
A.A.S., Gadsden State Community College

Kendrick, Sonya D. (2007) ............................................................. Assistant Accountant
B.S., Jacksonville State University

Kennedy, Julie M. (2004) ............................................................... Library Supervisor
B.A., Jacksonville State University
M.L.I.S., University of Alabama

B.A. and M.A., University of Texas at Arlington

Kilgore, Donna M. (2011) ............................................................. Assistant Accountant
B.S., University of Alabama

King, Lynette J. (1998) ................................................................. Mathematics Instructor
B.S. and M.S., Jacksonville State University
Ed.S., University of Alabama

King, Princess L. (2015) ............................................................... Clerk
B.S., Troy University

King, Susan Moore (2008) .......................................................... Biology Instructor
B.S. and M.S., Jacksonville State University

Kirby, Timothy (2002) ................................................................. Maintenance Technician
B.S., Auburn University


Lancaster, Sheila (1992) ............................................................... Computer Science Instructor/Division Chairperson for Information Technology
A.S., Gadsden State Junior College
B.S. and M.A., Jacksonville State University

Langley, Gerri G. (2012) ............................................................... Transcript Evaluator
A.A.S., Gadsden State Community College
B.S.Ed., Jacksonville State University

Latimer, Debra A. (2007) ............................................................. Custodial Employee
B.S., Jacksonvile State University

Leach, Marjorie R. (2009) ......................................................... Custodial Employee
B.M., East Carolina University
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Lee, Nancy M. (2002) .............................................................. Biology Instructor
B.S., Jacksonville State University
B.S. and M.Ed., University of Montevallo
M.S. and Ed.D., University of Alabama

Light, Mark A. (1997) ............................................................. Security

Lindblom, Susan M. (2015) .................................................... Child Development Instructor
B.S., Auburn University
M.Ed., University of Georgia

Lindsey, Johna (2003) ........................................................... Community Education Specialist

Machen, Jeff (1991) .............................................................. Biology Instructor
B.S. and M.S., Jacksonville State University

Maddox, Catrina D. (2009) ..................................................... Clerk
A.A.S., Gadsden State Community College

Maddox, Renata N. (2013) ....................................................... Custodial Employee

Maness, Joshua L. (2013) ..................................................... Maintenance Technician

Marshall, Brad (2014) .......................................................... Electrical Technology Instructor
A.S., Gadsden State Community College

Martin, Gina C., CPS (1987) .................................................. Administrative Assistant
Certificate, Gadsden State Community College

Mathis, Kassie W. (2009) ....................................................... Director of Title III
B.S., Birmingham-Southern College
M.B.A., Jacksonville State University

Mayfield, Jack B., Jr. (2000) .................................................... Industrial Maintenance Instructor
B.S. and M.Ed., Auburn University

Mayfield, Stephanie L. (2014) ................................................ Student Support Services Tutorial Coordinator
B.A. and M.A., Jacksonville State University

Mayo, Pam A. (2007) ............................................................. Nursing Technician
/import/A.A.S., Gadsden State Community College

McCormick, Janice J., CPS (1988) ......................................... Accountant
A.S., Gadsden State Community College

McCrary, Darren L. (2012) ...................................................... Welding Instructor
B.S., Jacksonville State University

McDaniel, Coy Heath (1999) .................................................. Carpentry Instructor
Certificate, Gadsden State Community College

McDaniel, Danetta E. (2012) ................................................... Nursing Instructor
A.A.S., Allan Hancock College
B.S.N., M.S.N., and D.N.P. University of Alabama–Huntsville

McDonald, Robby D. (2014) ................................................... Mail Clerk
B.S. and M.S., Jacksonville State University

McLean, Alexis L. (2014) ...................................................... Alabama Language Institute Instructor
B.S., Georgetown University

McLemore, Benjamin Alex (2011) .......................................... Help Desk/Web Technician
Certificate and A.A.S., Snead State Community College

Melson, Rickey (2003) ........................................................ Air Conditioning & Refrigeration Instructor
A.A.S., Gadsden State Community College
B.S. and M.S., Alabama A & M University

Miller, Amy Brooks (2009) ................................................... Clerk
B.A., University of West Florida

Miller, Dewey Frank (1992) ................................................... Welding Instructor
Diploma and A.A.S., Gadsden State Community College
B.S. and M.S., Gadsden State Community College

Miller, Theresa L. (2000) ...................................................... Clerk
A.A.S., Gadsden State Community College
B.S.M., University of Phoenix

Milliron, Jason M. (2013) .................................................... Business Services Analyst
A.A.S., Gadsden State Community College
B.S., University of Alabama

Mitchell, Janekia King (2002) .............................................. Advisor
B.S., M.S., and Ed.S., Jacksonville State University
B.A., Huntingdon College  
M.A., University of Alabama  

Moore, Bonnie (2003) ................................................................................ Assistant Coordinator of Student Activities  
A.A.S., Gadsden State Community College  

B.S. and M.A., University of Alabama  

Moore, Timothy W. (2001) ........................................................................... Computer Science/Mathematics Instructor  
B.S. and M.S., Jacksonville State University  

Morgan, Misti C. (2008) .............................................................................. Administrative Assistant  
A.S., Gadsden State Community College  

Morgan, Tammy Potter (1996) ..................................................................... Mathematics Instructor  
B.S. and M.S., Jacksonville State University  

Morris, Linda G. (2014) .............................................................................. Veterans Upward Bound Academic Coordinator/Recruiter  
A.S., Gadsden State Community College  
B.S., Jacksonville State University  

Mullinax, Cynthia (2004) ........................................................................... Nursing Instructor  
B.S.N., Jacksonville State University  
M.S.N., Georgia State University  

Mumper, Michael B. (2013) ........................................................................... Custodial Employee  

B.A., Berry College  
M.A., Jackson State University  

Murphy, Scott (1999) .................................................................................... Maintenance  
A.A.S., Gadsden State Community College  

Musick, Evelyn R. (2007) ............................................................................ Nursing Instructor  
B.S., Jacksonville State University  
M.S.N., University of Alabama at Birmingham  

Nelson, Laura L. (2006) ................................................................................ Therapeutic Massage Instructor  
Certificate, Genesis School of Therapeutic Massage  
B.S., Faulkner University  
M.Ed., Strayer University  

Newton, James M. (2001) .......................................................................... Maintenance Technician  
A.A.S., Alabama Technical College  

Newton, Timothy S. (2012) ........................................................................... Custodial Employee  

Noah, Pamela (1985) ................................................................................... Administrative Assistant  
Diploma, Harry M. Ayers State Technical College  
B.S., Athens State University  

Oden, Rhoda (1983) ..................................................................................... Mathematics Instructor  
B.S., Auburn University  
M.S., Jacksonville State University  

Olander, Joshua J. (2005) ............................................................................ Biology Instructor (Therapeutic Massage Program)  
B.S. and M.S., Jacksonville State University  

Osborn, Jesse C. (1999) ............................................................................... Mathematics Instructor  
A.S., Gadsden State Community College  
B.S., Jacksonville State University  
M.S., University of Alabama  

Owens, Danny (1995) .................................................................................... Custodial Services  

Owens, Ida Pearl (2008) ............................................................................. Acting Director of Upward Bound Program (Ayers)  
B.S.Ed, University of Alabama  
M.S.Ed., Jacksonville State University  

Ozor-Ilo, Paulinus (1999) ............................................................................ Computer Science Instructor  
B.S., and M.S., Alabama A&M University  

Page, John G., III (2002) ............................................................................ Residence Hall Director  
A.S., Gadsden State Community College  
B.S., Jacksonville State University  

Page, Molly E. (2016) .................................................................................. Theater/Box Office Manager I  
B.A., University of Alabama  
M.A., Louisiana Tech University  

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<table>
<thead>
<tr>
<th>Name</th>
<th>Position/Role</th>
<th>Education</th>
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|                            |                                      | B.S.W., Jacksonville State University  
|                            |                                      | M.S.W., University of Alabama |
| Payton, Jamie (1997)       | Accounting Instructor                |                                               |
|                            |                                      | B.S., Jacksonville State University  
|                            |                                      | M.B.A., Auburn University  
|                            |                                      | Ed.D., University of Alabama |
|                            |                                      | B.S., Thomas A. Edison State College |
| Reynolds, Janet (1996)     | Clerk                               |                                               |
| Rice, Angela (2015)        | Custodial Employee                   |                                               |
| Rinehart, Terri L. (2005)  | Administrative Assistant             |                                               |
| Roberts, Michelle S. (2012)| Realtime Reporting Program Instructor | A.A.S., Gadsden State Community College  
|                            |                                      | B.S., Jacksonville State University  
|                            |                                      | M.S., University of Alabama |
| Robinson, Sue (1990)       | Nursing Instructor                   |                                               |
|                            |                                      | Diploma, Sylacauga Hospital School of Nursing  
|                            |                                      | B.S. and M.S., Jacksonville State University  
|                            |                                      | M.S.N. and Ph.D., University of Alabama-Birmingham |
| Robinson, Tony Keith (2014) | Director of Educational Talent Search | A.S., Snead State Community College  
|                            |                                      | B.S.Ed. and M.S.Ed., Jacksonville State University |
| Rodgers, Kaci L. (2008)    | Biology Instructor                   |                                               |
| Rogers, Bridget A. (2009)  | Nursing Instructor                   |                                               |
|                            |                                      | B.S., Jacksonville State University  
|                            |                                      | M.S.N. Samford University |
| Rogers, Rachael Sneed (2013)| Nursing Instructor                   |                                               |
|                            |                                      | A.A.S., Gadsden State Community College  
|                            |                                      | B.S.N. and M.S.N., Jacksonville State University  
| Ross, Angela (2003)        | Administrative Assistant             |                                               |
| Ross, Brian C. (2001)      | Network/Communications Analyst       |                                               |
| Rutledge, Patricia (1988)  | Upward Bound Project Director        |                                               |
| Sanders, Valera (2004)     | Clerk                               |                                               |
| Sanford, Chris (1989)      | Athletic Weight Room/Contest Manager |                                               |
|                            |                                      | A.A.S., Gadsden State Community College  

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Satcher, Pamela B. (2013) ........................................... Career Resource Specialist
A.S., Southern Union State Community College
B.S., Jacksonville State University
M.S.W., University of Alabama

Scott, Janette Fay (2000) ........................................... Office Administration Instructor
B.S., Jacksonville State University
M.B.A., Auburn University
M.Ed., University of West Georgia

Selman, Glenda (1982) ........................................... English Instructor
B.A., Huntingdon College
M.A., Samford University
Ph.D., Florida State University

Shaw, Debbie (2015) ........................................... Custodial Employee
Certificate and A.S., Southwest Florida College

Certificate and A.S., Southwest Florida College

Shortnacy, Brenda J. (2007) ........................................... Clerk

Sims, Larrhea B. (1993) ........................................... Office Administration Instructor
B.S., Alabama State University
M.Ed., Bowling Green State University

Skaggs, Thomas Wade (2006) ........................................... HVAC Technician
A.A.S., Gadsden State Community College

Skillman, James R., II (2006) ........................................... Biology Instructor
B.S. Troy State University
M.S., Jacksonville State University

Slaten, Jessica (1998) ........................................... Financial Manager
B.S. and M.B.A., Jacksonville State University

Smedley, Rachel M. (2013) ........................................... Nursing Instructor
B.S.N., Jacksonville State University
M.S.N., Jacksonville State University

Smith, Cal G. (2007) ........................................... Mathematics Instructor
B.S. and M.S.Ed., Jacksonville State University

Smith, Donald (1999) ........................................... Director of Buildings and Grounds
B.S., Jacksonville State University

Smith, Harold David (2001) ........................................... Machine Tool Technology Instructor
Diploma, Alabama Technical College
B.S., Jacksonville State University

Smith, Karen Blythe (1990) ........................................... Associate Dean for Instructional Services
B.S. and M.S., Jacksonville State University
Ed.D., University of Alabama

Smith, Steven Bart (2015) ........................................... Welding Instructor
Certificate, Harry M. Ayers State Technical College

Smith, Susan W. (2013) ........................................... Clerk
A.A.S., Gadsden State Community College

Smith, Timothy E. (2015) ........................................... Chief Information Officer
B.S., Jacksonville State University
M.A., University of Alabama

Snider, Phillip D. (2004) ........................................... Biology Instructor
B.S.Ed. and M.S.Ed., Jacksonville State University

Snow, Donice G., CPS (1991) ........................................... Administrative Assistant
Certificate and A.A.S., Gadsden State Community College

Spurlin, Larry Chad (2010) ........................................... Masonry Instructor


A.A.S., Gadsden State Community College

B.S., Jacksonville State University

Stovall, Noelle M. (2014) ........................................... Career Coach
B.A., Jacksonville State University

Stringer, Eric (1995) ........................................... Community Education Liaison
B.S., Auburn University
M.B.A., American InterContinental University
Stuelp, Stephan F. (2006) .................................................. Diesel Mechanics Instructor
Diploma, Alabama Technical College

Sullins, Laura Ann (2014) .................................................. English/Speech Instructor
B.A. and M.A., Jacksonville State University
M.A., University of Alabama-Birmingham

Swann, Laura K. (2009) .................................................. Director of Career Transitions
B.S., Jacksonville State University
M.S., Troy University

Sweatt, Meagan Elston (2009) ........................................ Upward Bound Program Outreach Advisor
B.S.W., Jacksonville State University
M.S., University of West Alabama

Talley, Pamela (2000) .................................................. Clerk
A.A.S., Gadsden State Community College

Taylor, Steve (2003) .................................................. Maintenance Technician
B.A., M.A., and M.S.Ed., Jacksonville State University

Teague, Diana C. (2013) .................................................. Clerk
A.A.S., Gadsden State Community College

Thompson, Candice C. (2000) ........................................ Accountant
B.A., M.S.Ed., Jacksonville State University

Thompson, Shirley R. (2007) ........................................ Clerk
A.A.S., Gadsden State Community College

Thornton, Julian G. (2006) .............................................. English Instructor
B.A., M.A., and M.S.Ed., Jacksonville State University

Thrower, Tony (1998) .................................................. Electricity/Electronics Instructor
A.A.T., Harry M. Ayers State Technical College

Tice, Gina C. (1999) .................................................. Radiologic Technology Program Instructor
A.S., Pensacola Junior College
B.S., University of West Florida
M.S., Midwestern State University

Tillis, Angela W. (1998) .................................................. Purchasing Agent
A.S., Gadsden State Community College

Tillis, Ricky L. (2015) .................................................. Custodial Employee
B.A., Birmingham-Easonian Baptist Bible College
M.A., Birmingham Theological Seminary

Tucker, David L. (2016) .................................................. Truck Driving Training Specialist/Examiner

Tucker, Ginger (2000) .................................................. Administrative Assistant
B.S., University of West Florida

Tucker, Susan K. (2004) .................................................. Nursing Instructor
B.S.N. and M.S.N., University of Alabama at Birmingham
D.N.P., University of Alabama

Udaka, Gary (1995) .................................................. Welding Instructor
Certificate, Gadsden State Community College
B.S. and M.S., Alabama A & M University

Underhill, Laura E. (2012) ........................................ Biology Lab Supervisor
B.S. and M.S., Jacksonville State University

Utz, Deborah Gay (1995) ............................................ Director/Instructor–Radiologic Technology
A.S., Gadsden State Junior College
B.S. and M.Ed., University of Alabama Birmingham

Vallejo, Jana B. (2012) .................................................. Psychology Instructor
A.S., Gadsden State Community College
B.S. and M.S., University of Alabama Birmingham

Vann, Frances S. (2008) .................................................. Biology Instructor
B.S. and M.S.Ed., Jacksonville State University

Varner, Lori A. (2007) .................................................. Administrative Assistant
B.A., Louisiana State University

Waddell, Harold (1996) .................................................. Auto Mechanics Instructor
A.S., Gadsden State Community College
B.S., Athens State College
Division Chairperson for Business
B.S. and M.B.A., Jacksonville State University

Ward, Jerri L. (2015) ....................................................... Director of Teaching Learning Center
B.S. and M.S., Mississippi State University

Watson, Melissa D. (2014) ................................................ Nursing Assistant Program Instructor
B.S.N., Jacksonville State University

Industrial Automation Technology Instructor
B.S.E., University of Alabama—Huntsville
M.E., Mississippi State University

Certificate and A.A.S., Gadsden State Community College

A.S., Gadsden State Community College
B.S., Auburn University

Wheeler, Sara E. (2009) ..................................................... Mathematics Instructor
B.S., University of Alabama in Huntsville
M.S., Jacksonville State University
Ed.D., University of Alabama

White, Julie I. (2007) ....................................................... Psychology Instructor
B.S. and M.S., Jacksonville State University

White, Melinda (1996) ..................................................... Cosmetology Instructor/
Co-Division Chair—Ayers Applied Technologies
B.S., Athens State University

Whittington, Tina J. (2000) .............................................. Human Services/Psychology Instructor
B.A., University of South Alabama
M.S.W., Tulane University

Wilborn, Danny R. (2000) .............................................. Mathematics Instructor/ADA Compliance Officer
B.S. and M.S., Jacksonville State University

Wilkerson, Wanda (1997) ................................................ Library Specialist

Williams, Blake L. (2013) .............................................. Educational Talent Search Program Outreach Advisor
B.S.Ed., Jacksonville State University

Williams, Diana S. (1984) .............................................. Administrative Assistant

Williams, Jennifer T. (2010) .......................................... Transcript Evaluator
B.S., Jacksonville State University

Williams, Ronald D. (2007) ............................................ Maintenance Technician

Williams, Teresa E. (2002) ............................................. Maintenance Technician (Painter)
A.A.S., Gadsden State Community College

Wilson, David S. (2008) ................................................ Security Employee
Diploma, Gadsden State Community College

Wilson, Esther (1982) ..................................................... Mathematics Instructor
A.S., Gadsden State Junior College
B.S., Judson College
M.A., Jacksonville State University

Wilson, James W. (2008) ................................................ Mechanical Design Technology Instructor
A.A.S., Gadsden State Community College
B.S. and M.S., Alabama A & M University

Wilson, Tomekia L., CAP (2001) ..................................... Manager
A.A.S., Gadsden State Community College

Wood, Donna (1998) ...................................................... Computer Science Instructor
B.S., and M.B.A., Jacksonville State University
Ed.D., University of Alabama

Woodgett, Rosalind M. (2005) ........................................ Clerk
A.S., Gadsden State Community College
B.S., Athens State University

Woody, Baisha K. (2007) ................................................ Office Careers Instructor
A.S., Bevill State Community College
B.S., Alabama State University
M.B.A., University of Phoenix
Worthington, Leslie (2012) ................................................................................. **Dean of Academic Programs and Services**  
B.A., M.A., Ph.D., Auburn University  
Ed.S., Troy University

Wright, Brent C. (2014) .......................................................................................... **Economics Instructor**  
B.A. and M.B.A., Auburn University

Wyatt, Shannon D. (2008) ..................................................................................... **Clerk**  
A.A.S., Gadsden State Community College

Yohe, James D. (2007) .......................................................................................... **Economics Instructor**  
B.A., University of Nevada, Las Vegas  
M.S. and Ph.D., Auburn University

Young, Brenda (2001) ......................................................................................... **S.U.R. Instructor**  
Diploma, Harry M. Ayers State Technical College  
A.A.S., Gadsden State Community College

Zahorscak, Suzanne B. (2002) ............................................................................. **Education Specialist**  
A.S., Gadsden State Community College  
B.S., Jacksonville State University  
M.S., Alabama A & M
Appendices
Appendix A
Assurances of Compliance with Federal Laws

Equal Opportunity in Education and Employment
Gadsden State Community College has filed with the Federal Government an Assurance of Compliance with all requirements imposed by or pursuant to Title VII of the Civil Rights Act of 1964 and the Regulation issued thereunder, to the end that no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity sponsored by this institution. It is also the policy of Gadsden State Community College to be in accordance with Title IX of the Education Amendments of 1972, which provides that “no person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of or be subjected to discrimination under any educational program or activity receiving Federal financial assistance.”

Gadsden State Community College is committed to equal opportunity in employment and education and does not discriminate on the basis of sex, race, color, religion, disability, or national origin. Gadsden State complies with non-discrimination regulations under Title VI and Title VII, Civil Rights Acts of 1964; Title IV, Education Amendments of 1972; and Section 504, Rehabilitation Act of 1973. Inquiries concerning this policy may be directed to Michele Bradford, Director of Legal Affairs, Gadsden State Community College, P.O. Box 227, Gadsden, Alabama 35902-0227, telephone 256.439.6822.

Americans with Disabilities Act (ADA)
The Americans with Disabilities Act (ADA) prohibits discrimination against any qualified person regardless of his/her disability. Reasonable and appropriate accommodations for qualified disabled students, applicants, employees, and visitors will be met unless to do so would present an undue hardship to the College or lower the academic standards of the College and for the program. For additional information, contact Danny Wilborn, the Gadsden State ADA Coordinator, at 256.439.6912.

Notice of Facility/Program Accessibility
Individuals with mobility impairments should contact the ADA Coordinator or an Assistant Coordinator on or nearest their campus to obtain information regarding limitations to physical accessibility of some buildings and programs and to obtain accommodations as needed. Students with mobility impairments are encouraged to contact their campus Coordinator before completing their academic schedules.

Policy on Copyright and Fair Use
Copyright is the ownership and control of the intellectual property in original works of authorship. The laws of the United States (Title 17, United States Code) provide protection to the owner of copyright. This protection is available to both published and unpublished works. Public Law 94-553, Section 6, generally gives the owner of copyright the exclusive right to, and to authorize others to reproduce in copies, prepare derivative works, distribute copies, perform publicly, and display publicly the copyrighted work. In compliance with the Millennium Copyright Act, the Head of Library Services has been appointed as the College's agent to receive notification of claimed infringement from a copyright owner.

Copyright law governs any print or non-print reproduction of copyrighted material. It is illegal for anyone to violate any of the rights provided by law to the owner of copyright. One major limitation on the law, however, is the doctrine of “fair use.” Whether use of copyrighted materials falls under the “fair use” exception depends on these four factors: purpose of the use, nature of the work, amount of copying, and effect of the copying on the potential value of the work. Another limitation can be a “compulsory license,” which permits limited uses of copyrighted works in return for the payment of fees or royalties.

Faculty, staff, and students of the College must comply with the provisions of the state and federal intellectual property laws such as the Copyright Act. Procedures for obtaining copyright permissions for course materials have been established and must be followed. Copies of this procedure and other information explaining the Copyright Act as it pertains to copying both course materials and material for personal use are available in campus libraries and on the College web page.
Policy on Drug Abuse Prevention
GSCC is committed to the maintenance of a drug-free environment for both employees and students. For additional information, those interested should contact the Director of Counseling and Advising Services, whose office is located on the East Broad Campus, or telephone 256.549.8376.

Policy on Drug-Free Workplace
As a recipient of federal contracts and grants, Gadsden State Community College complies with the requirements of Public Law 100-690 for a drug-free workplace. The College enforces the following policy:
The unlawful manufacture, distribution, dispensation, or use of a controlled substance is prohibited by Gadsden State Community College on any property owned, leased, or controlled by Gadsden State Community College or during any activity conducted, sponsored, or authorized by or on behalf of Gadsden State Community College. A "controlled substance" shall include any substance defined as a controlled substance in Section 102 of the Federal Controlled Substance Act (21 U.S. Code 802) or in the Alabama Uniform Controlled Substance Act (Code of Alabama, Section 20-2-1, et seq.).

Family Educational Rights and Privacy Act of 1974 as Amended
Under the Family Educational Rights and Privacy Act of 1974 as Amended (FERPA), Gadsden State Community College may disclose certain student information as "directory information." Directory information includes a student's name, address, telephone number, date of birth, academic honors, and major fields of study, as well as information about a student's participation in officially recognized activities and sports, the weight and height of members of athletic teams, the date of attendance by students, degrees and awards received, and the most recent previous educational agency or institution attended by a student. If any student objects to the release of such information, that student should notify the Registrar in person and in writing within three weeks after the beginning of each semester. The Registrar's Office is located in the One Stop Center on the East Broad Campus.

Notification of Student Rights under FERPA
FERPA affords students certain rights with respect to their education records. These rights include the following:
1. The right to inspect and to review the student's education records;
2. The right to request the amendment of the student's education records to ensure that they are not inaccurate, misleading, or otherwise in violation of the student's privacy or other rights;
3. The right to consent to disclosure of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent;
4. The right to file with the U.S. Department of Education a complaint concerning alleged failures by Gadsden State Community College to comply with the requirements of FERPA; and
5. The right to obtain a copy of Gadsden State Community College's student records policy, which is available at the Records Office.

School Officials and Legitimate Educational Interest
A school official is defined as a college employee, person or a student assisting another school official in performing his or her tasks.

A school official with a legitimate educational interest may be granted access to confidential student information if the official needs the information to fulfill his/her professional responsibility. This includes:
• Performing appropriate tasks that are specified in his/her position description or by a contract agreement
• Performing a task related to a student's education
• Performing a task related to the discipline of a student
• Providing services for the student, such as counseling, job placement or financial aid.

Legitimate educational interest does not convey inherent rights to any and all student information.

Intellectual Property Policy Regarding Ownership of Student Work
The College recognizes and values creativity and innovation as part of the learning process. Similarly, the College recognizes the importance of, and wishes to encourage, the transfer of new knowledge, generated in the College, to the private sector for the public good. At the same time, as a publicly funded institution, the College must be a good steward of the public resources provided to it, and must safeguard against the use of public funds for private gain.

This policy addresses the rights to, interest in, and protection and transfer of intellectual property created by the College's students. For purposes of this policy:
"Intellectual property" means inventions, discoveries, innovations, and copyrightable works.
"Invention" means a tangible or intangible discovery, whether or not reduced to practice, and tangible research products, whether or not patentable or copyrightable. Such research products include, but are not...
limited to, computer programs, integrated circuit designs, industrial designs, databases, technical drawings, biological materials, and other technical creations.

“Copyrightable works” mean original works of authorship fixed in tangible media of expression. Ownership of an intellectual property created by a student enrolled at the College, such as written compositions, musical scores, sculptures, paintings, photographs, films, videotapes, and computer software, shall be vested in the student unless the student has been employed by the College to create the intellectual property.

Submitted Work as Part of Course Requirements
1. When a student submits work as a course requirement, the student retains ownership of the work, but ownership of the physical or electronic document shall be vested in the College. The College is granted a perpetual, royalty-free license by the submitting student to make copies of the work for administrative and educational purposes.
2. The College and its students recognize that some intellectual property may arise or be developed by students from interaction with the instructor and other students. Under those circumstances, the intellectual property may not be the exclusive property of the student.
3. When a student’s work has been accepted for publication by a journal or a publisher, absent an agreement to the contrary, the work becomes the property of the publisher.

Computer Programs
1. Computer programs that are written within the scope of employment duties with the College become the property of the College.
2. When a program is developed for a course project or assignment, ownership is retained by the student with the College having a perpetual and royalty-free license to make and distribute copies to faculty, staff, and students for administrative and educational purposes.

Equipment
1. If College resources (material, workspace) have been used to construct or design equipment, the equipment becomes the property of the College.
2. Equipment constructed without the use of college resources or designed as part of a course is the property of the student.

Office of Legal Affairs
The mission of the Office of Legal Affairs is to ensure that all departments of the College are in compliance with all policies of the Alabama Community College System, the College, State and Federal laws and to provide leadership for the College's diversity initiatives by monitoring, evaluating, and supporting diversity efforts, increasing communication, and supporting core programs and services. For additional information, individuals should contact the Office of Legal Affairs at 256.439.6822.

Rehabilitation Act of 1973
GSCC offers equal opportunity in its employment, admissions, and educational programs and activities in compliance with Section 504 of the Rehabilitation Act of 1973. The Gadsden State Coordinator of Section 504 is Danny Wilborn, telephone 256.439.6912. Additional information appears in the “Americans with Disabilities Act” and "Disability Services" sections of this catalog.

Policy Against Harassment and Discrimination
Gadsden State Community College is committed to protecting its students, staff, and visitors from sexual harassment, discrimination, intimidation, and exploitation as prohibited by Title IX of the Education Amendments of 1972 and of Title VII (Section 703) of the Civil Rights Act of 1964. Anyone who believes herself or himself to be subjected to such sexual harassment, discrimination, intimidation, and/or exploitation should contact the Title IX Coordinator, Michele Bradford. Inquiries regarding this policy should be directed to Michele Bradford, Director of Legal Affairs, Gadsden State Community College, Joe Ford Center, P.O. Box 227, Gadsden, AL 35902-0227; telephone 256.439.6822; fax 256.439.6812; e-mail mbradford@gadsdenstate.edu. NOTICE: The Policy Against Harassment and Discrimination is included in its entirety in the “College Regulations” section of this catalog.

Policy on Sexual Misconduct
Gadsden State Community College is committed to providing a non-discriminatory and harassment-free educational, living and working environment for all members of the Gadsden State community, including students, faculty, administrators, staff, and visitors. This policy prohibits all forms of sexual or gender-based harassment, discrimination or misconduct, including sexual violence, sexual assault, and stalking and intimate partner violence. Misconduct of this nature is contrary to Gadsden State’s institutional values and prohibited by local, state and federal laws, College policies, and the policies of the Alabama Community College System. Anyone who believes that they have been
subjected to or have witnessed any form of sexual violence, should immediately report it to local law enforcement and Safety and Security, who will also make report to the Title IX Coordinator, Michele G. Bradford, J.D., (256) 439-6822.

**Title IX**

It is the policy of Gadsden State Community College to be in accordance with Title IX of the Education Amendments of 1972 which states that “no person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity receiving Federal financial assistance.” Any person alleging to have been discriminated against in violation of Title IX may present a complaint to the Title IX coordinator. The Title IX Coordinator for Gadsden State Community College is Michele Bradford, Director Legal Affairs, Joe Ford Center, P. O. Box 227, Gadsden, AL 35902-0227; telephone 256.439.6822; fax 256.439.6812; e-mail mbradford@gadsdenstate.edu.
Appendix B

Scholarships

In addition to the financial aid programs described previously, students may be able to obtain scholarship assistance. Scholarships are awarded based on past academic/technical achievement, participation in extracurricular and leadership activities, and exhibited talents. Scholarship offers are contingent upon applicant meeting admission requirements and are based on available funding. To be eligible for institutional waivers, students must be U.S. citizens or resident aliens. For more information regarding scholarships to Gadsden State Community College, students should call 256.549.8203. For information on transfer scholarships, students should call 256.549.8329.

Academic Scholarships are partial to full tuition awards offered each year. Awards are based on academic achievement, rank in class, and academic competitions. A minimum GPA of 3.0 is recommended; and, if submitted, ACT scores are considered.

Alabama Automotive Manufacturers Association (AAMA) Dr. Bernard J. Schroer Scholarships are facilitated through the Consortium for Alabama Regional Center for Automotive Manufacturing (CARCAM), supporting individuals pursuing a career/technical education certificate or associate degree in the Alabama College System in preparation for a career in the automotive manufacturing industry. Additional criteria and scholarship applications are available at www.carcam.org

Ambassador Scholarships provide tuition for selected students who are willing to work as representatives of the College. A minimum GPA of 3.0 is required for an entering freshman. Selection criteria include academic merit, club/organization participation, and extracurricular activity. A 500-word essay expressing how life experiences have contributed to the applicant’s preparation to become a GSCC Ambassador is required. In addition, the selection process may include an interview with the Ambassador Selection Committee.

Athletic Scholarships are offered to students who excel in various sports. Interested students should contact the GSCC Athletic Department by calling 256.549.8310. Scholarships are available for males in the following areas: baseball, basketball, tennis, and managers. Scholarships are available for females in the following areas: basketball, cheerleading, cross country, softball, volleyball, and managers

Ayers Employee Fund provides assistance to students taking courses on the Ayers Campus. Priority is given to students in declared majors and those within one semester of graduation. A minimum 2.5 GPA is required.

Bingo Scholarships are awarded to Etowah County residents. A minimum 2.5 GPA is required. Awards are based on available funds and are awarded for one term.

Barry Boatwright Memorial Scholarship provides tuition for a student in a science-related major. Selection is made by the Science Department.

Buffalo Rock Donation Athletic Scholarship is awarded to a full time student. A minimum 2.5 GPA is required. The scholarship can be applied for tuition, book, supplies or fees to a female or male basketball player.

Buffalo Rock Donation General Scholarship is awarded to a full time student. A minimum 2.5 GPA is required. The scholarship can be applied for tuition, book, supplies or fees.

Buffalo Rock Endowment Scholarship is awarded for fall and spring semesters to a deserving student. A minimum 2.5 GPA is required.

Bush Memorial Endowment Scholarship is awarded for one term to a deserving student. A minimum 2.5 GPA is required.

Career Tech Dual Enrollment Scholarships provide tuition assistance to eligible high school seniors of participating high schools. To be eligible, the high school senior must have an overall “B” average in high school course work, have an interest in a Career Tech Program offered through Career Tech Dual Enrollment at Gadsden State and get approval from the High School Principal and Superintendent. Applications must be submitted to the Office of Career Services by the deadline to be eligible. College entrance testing must be satisfied before an application will be considered. For more information, please call 256-549-8605.

Cherokee County Chamber of Commerce Scholarships are awarded to graduates of Cherokee County public high schools and to non-traditional students who are residents of Cherokee County. Scholarship recipients must take classes at Gadsden State Cherokee.

Larry Joe Chesnut Memorial Scholarship is awarded in memory of Larry Joe Chesnut to a second-year student with a minimum 2.0 GPA.

Children of Blind Parents may be eligible for full tuition and fees scholarships. Recipients are selected by the State Department of Education, from which applications are available.

Citizen Baptist Medical Center Volunteer Program Scholarships provide partial tuition assistance to graduating high school seniors who attend high school in Talladega County. Applicants must have an overall high school GPA of 2.75 or higher, demonstrate leadership ability and community involvement, and express a desire to enter a medical field. Financial need is also taken into consideration during the selection process.

BBVA/Compass Bank Endowment Scholarship is awarded to students with at least a GPA of 2.5 or higher. Financial need is considered. Preference is given to bank employees and dependents.
Jerry L. Culberson Nursing Scholarships are awarded to Cherokee County residents who have been accepted into the nursing program and who plan to attend nursing classes at the Cherokee Campus. Applicants must demonstrate academic success by meeting all progression requirements of the nursing program and must have a demonstrated financial need.

Culp Industries Endowment Scholarship is awarded to an employee or dependent of an individual who has been employed at the company for at least one year. A graduating high school student must have a minimum 2.5 GPA to apply and must maintain a 2.5 GPA to continue to receive this scholarship. Applicants must complete the Free Application for Federal Student Aid (FAFSA) to document financial need.

Donation Scholarships are awarded as funds are available. Priority consideration is given to students in their last term of attendance prior to graduation. A minimum 2.0 GPA is required.

John Duncan Memorial Endowment Scholarships are awarded to residents of Etowah County. Applicants must demonstrate academic aptitude.

Early College Enrollment Program (ECEP) Scholarships provide tuition to eligible juniors and seniors of participating local high schools. Students who have taken and satisfactorily passed required high school exit tests and are on task to meet all other graduation requirements, have a grade point average of 2.5 or higher, and have an interest in enrolling in an eligible technical college degree program are eligible to apply. For additional information, please call 256.549.8605.

EMS Endowment Scholarships provide assistance that can be used for tuition and/or required books to students in the Emergency Medical Services program.

EMS Kayla Oglesbey Memorial Scholarship is awarded to an EMS major who has completed the Advanced EMT level at Gadsden State Community College and is entering into the Paramedic Program. The student may be full or part time. A minimum 2.5 GPA is required. Scholarship funds may be used for tuition, books, EMS fees, or NREMT testing fees.

Victor Ficker Endowment Scholarship covers tuition only. This scholarship is awarded as funds are available.

Amy Floyd Honorary Scholarship provides books and required supplies for a second-year RN student. Selection is made by the Nursing Department and awarded based on financial need and academic standing.

Joe & Brenda Ford Memorial Endowment Scholarships cover tuition for up to two semesters to full-time students. To be eligible to apply, the applicant must be a resident of Etowah County. Receipt of other forms of financial aid may affect eligibility to receive this scholarship.

Gadsden Rotary Endowment Scholarship is awarded to an Etowah County resident for one term only. A minimum 2.5 GPA is required.

Gadsden Sportsman Club Scholarships provide tuition and/or books for Etowah County students. A minimum 2.5 GPA is required. Selection is made by the Gadsden Sportsman Club.

Gadsden State Community College Alumni Association Scholarships provide tuition assistance for qualified students. Criteria for selection include being a U.S. citizen or resident alien, a minimum overall 2.5 GPA, current enrollment at Gadsden State, completion of 24 credit hours prior to the scholarship terms awarded, résumé (education and honors, employment, memberships and leadership positions, extracurricular activities, and volunteerism) and career goals. Preference shall be given to students who are Association members and/or have family who are Association members. Selection is made by the GSCC Alumni Association.

Gadsden State Community College Faculty and Staff Scholarships are awarded based on availability of funds for one term only. A minimum 2.5 GPA is required.

Gadsden State Community College Foundation offers scholarships for tuition, fees, and books to students attending Gadsden State Community College, as approved by the Foundation's Board of Directors.

GED One Free Class Scholarship provide one free class to students who have passed the GED after July 2002. Eligibility is determined by the Alabama Community College System, which is the State Office for the GED Testing Program.

GED Scholarships are awarded at the fall and spring GED graduations to the graduates with the highest GED test scores. The scholarships cover full tuition for up to two years. A minimum 2.5 GPA is required to maintain scholarship eligibility.

Godfrey Family Foundation Scholarships are awarded to second-year RN students. These scholarships can be used for tuition and books. The scholarship program was established in memory of Jane Killian Godfrey by the Godfrey family. Recipients must be residents of Etowah County and must maintain a 3.0 GPA for the first year of the RN program. Selection is made by the Nursing Department.

Griffith Memorial Nursing Scholarship was established by the Griffith family in honor of their mother, Sue McMeekin Griffith, who was a former GSCC faculty member. This scholarship is awarded to second-year RN students who demonstrate behaviors that evidence caring, compassionate attitudes toward patients. An adequate GPA to predict completion of the nursing program, as well as to predict licensure as a registered nurse, is required. Selection is made by the Nursing Department.

Greater Gadsden Home Builders Scholarship provides partial tuition scholarships to Technical Division students enrolled in carpentry, HVAC or electrical technology programs at a Gadsden campus, with consideration given for financial need.
Jonathan Harris Memorial Scholarship is awarded to a deserving Special Education graduate of Etowah High School. Recipient is recommended by Etowah High School.

Honors Scholar Program offers scholarships to high-achieving and talented students who are seeking more intellectually challenging and creative college experiences. The classes in the program and the diploma will show designations as “Honors” and “Honors Scholar,” respectively. A minimum 3.25 GPA and a composite ACT score of 25 or SAT score of 1200 are preferred. Selection is made by the Honors Scholarship Committee.

HRSA Scholarships for Disadvantaged Nursing Students are funded through a federal grant program administered through the Department of Health and Human Resources (HRSA). Scholarships are awarded to economically and environmentally disadvantaged students pursuing nursing education, particularly those students who are underrepresented minorities. Students must be enrolled in the LPN certificate program or the RN associate degree program to apply. Selection is made based on the grant guidelines.

Mary F. Lambert Scholarship was established by August Lehi and friends of Mary Lambert to provide scholarships to students majoring in Realtime Reporting. A minimum 2.5 GPA is required. Selection is made by the Realtime Reporting Department.

Leadership in Childcare Scholarships provide tuition and selected fees to childcare center directors, teachers, and home providers to enroll in a Child Development program. The program is funded by the Alabama Department of Human Resources as a result of an initiative of the Alabama Childcare Consortium. To be eligible to apply for this assistance, a student must be a resident of Alabama, employed in a legally operating child care facility in Alabama caring for children ages birth through 12 years old, have a high school diploma or GED, and be at least 19 years of age. Applicants must consult with the Child Development Program Instructor and obtain their signature on the scholarship application prior to submitting the application. Eligibility is determined by the Alabama Department of Human Resources.

Manufacturing Enrichment Scholarship is available to a high school senior who has completed geometry (or equivalent) and who has an interest in pursuing a career in the manufacturing industry. Selection is made by the Gadsden Alabama Technology Network.

Mary Martin Endowment Scholarship is awarded to a student with a minimum 2.5 GPA. The scholarship can be used for tuition only.

Newell Massey Memorial Scholarship pays tuition only. This scholarship is awarded as funds are available.

E. O. McCord Endowment Scholarship provides tuition assistance to students in selected programs of study. First consideration is given to a second-year paralegal major. Next consideration is given to a second-year education or religion major. A minimum 2.5 GPA is required.

Rena and Edgar McCord Endowment Scholarship provides partial tuition to a deserving student with first preference given to an education major, but could be awarded to another major depending upon student circumstances.

George McSpadden Memorial Scholarship is awarded to a part-time or full-time student. A minimum 2.5 GPA is required. The scholarship can be applied for tuition and associated fees. The recipient is recommended by the Music Department.

Meadows Memorial Scholarship was established in memory of Shirley Meadows and is awarded to a deserving Clinical Laboratory Technology (CLT) student. The recipient is selected by the CLT Department.

Cam Menzies Memorial Scholarship provides a partial tuition scholarship to a deserving sophomore student in the Realtime Reporting Program. The recipient is selected by the Realtime Reporting Department.

Minority (HBCU) Scholarships are awarded to entering freshmen and currently enrolled minority students. A minimum 2.5 GPA is required. The recipient is selected by the Minority Scholarship Committee. Preference is given to African-American students attending classes on the Valley Street Campus, which has been designated as a Historically Black College and University (HBCU).

Miss GSCC Scholarship is awarded annually to the winner of the Miss GSCC Pageant. The scholarship covers tuition for one year (up to 32 hours) beginning in the spring semester of the selection year.

Lucian Newman Endowment Scholarship is awarded to an EMS Basic graduate who has demonstrated outstanding potential and intends to pursue a career in Emergency Medical Services. The scholarship provides funds that cover partial tuition, fees, and/or textbooks expenses. Recipients must maintain National Registry status and a minimum 3.0 GPA.

Lucian Newman, Jr., Award is a partial scholarship awarded to an EMS Basic graduate. Recipient must maintain National Registry status and a minimum 3.0 GPA.

James W. (Jim) Nolen Endowment Scholarship is awarded to a current year graduating high school student with a “B” average who demonstrates financial need, enrolls in a technical program, and is involved in community activities. The recipient must maintain a minimum 3.0 GPA.

Rebecca Nunnelly Memorial Scholarship is awarded annually to a nursing student. Selection is made by the Nursing Department.

Operation Family Shield Scholarship Program was established in 2003 for spouses and dependents of the Alabama National Guard or reservists called to active duty. The scholarship has been expanded in support of Operation Noble Eagle, Operation Iraqi Freedom, and the Global War on Terrorism. The scholarship provides tuition during the term of the activation. Tuition scholarships shall be available only after all other forms of federal financial assistance, a student must be a resident of Alabama, employed in a legally operating child care facility in Alabama caring for children ages birth through 12 years old, have a high school diploma or GED, and be at least 19 years of age. Applicants must consult with the Child Development Program Instructor and obtain their signature on the scholarship application prior to submitting the application. Eligibility is determined by the Alabama Department of Human Resources.
assistance have been exhausted. Documentation required includes official copies of military orders, marriage licenses, birth certificates, and IRS tax returns. Certification from the appropriate military office should be obtained each semester to verify continued activation.

Opportunity Scholarships (Economically Disadvantaged Student) to students with financial need as set forth in the Alabama Community College System guidelines. Applicants must complete a FAFSA to verify financial eligibility. A minimum 2.5 GPA is required.

Nan Pentecost Scholarship was established by Eric Pentecost in honor of his wife, Nan. This scholarship provides partial tuition assistance for a second-year nursing student. Selection is made by the Nursing Department.

Performing Arts Scholarships provide tuition to students who excel in dance, band, chorus or drama. Awards will be made on the basis of audition/portfolio. Recipients will be expected to perform while attending GSCC on scholarship and must register for the appropriate scholarship-related classes each semester.

Joe Robertson Memorial Scholarship is awarded yearly in memory of Joseph T. Robertson, a former GSCC history instructor. The scholarship pays partial tuition for a history or education major. A minimum 2.75 GPA is required. Selection is made by the History Department.

Sanders-Burgard Scholarships were established by Gadsden physician E. Max Sanders, M.D., and Martha Burgard Sanders. These scholarships cover tuition and books for students. Consideration will be given to students with financial need.

Senior Adult Scholarships will be limited based on available funds. In compliance with Alabama Community College System policies, this scholarship applies to tuition only, not including fees. To be eligible, a student must be an Alabama resident, age 60 or older. A student must register as of the first day of class or during the drop/add period. The scholarship will not apply to repeat classes, regardless of initial funding source, and can cover up to six (6) hours per semester, not to exceed a maximum benefit of $690 per semester for the 15-16 award year. The Senior Adult scholarship will be available only after all other forms of financial assistance have been exhausted.

Skills Training Scholarships and Tuition Assistance Programs may be available for students participating in Skills Training Programs. For information regarding, Pathways to Responsible Fatherhood, Telemon, and other tuition assistance programs, students may contact the Skills Training Department at 256.549.8640.

Student Government Association (SGA) Scholarship provides tuition assistance for the elected officers of the Student Government Association.

Student Nursing Association (SNA) Scholarships are funded by the SNA and awarded by the Nursing Department.

Technical Faculty and Staff Scholarships are presented to deserving Technical Division students, with consideration given for financial need.

Technology Scholarships are awarded to students planning to pursue technical degrees or certificates. GSCC offers partial to full tuition scholarships to students in technical majors. At least 75% of classes must be within the technical major. A minimum 2.5 GPA is required. Recipients are selected by the Technology Scholarship Committee.

Neil Thomas Memorial Nursing Scholarship is awarded yearly to a second-year RN student with consideration given to a student with financial need. Recipients are selected by the Nursing Department.

Upward Bound Bridge Scholarships pay tuition for one or two classes (depending on available funds) in the summer semester for participating students. This scholarship program assists graduating high school seniors in "bridging" the gap between high school and college.

Jim Vanderford Technical Scholarships are awarded to students pursuing technical degrees or certificates. A minimum 2.5 GPA is required. Recipients are recommended by the Technical Scholarship Committee.

Jesse L. Walker, Jr., Business Scholarship is awarded to a full-time rising sophomore who is an Etowah County resident. The recipient must not qualify for any other financial aid and must maintain a minimum 2.5 GPA. Selection is made by the Business Department.

Riley Whitaker Memorial Scholarship is awarded to a deserving graduating senior of Glencoe High School. Consideration is given based on academic record (minimum 2.5 GPA required), demonstrated financial need, and faculty/leader recommendations. Recipient is recommended by Glencoe High School.

Ruby and R. M. Walker Fund provides both full and partial tuition scholarships to students based on need and/or academic achievement.

Wells Fargo Scholarships are provided through a grant funded by the Wells Fargo Foundation. Through this grant, scholarships are provided to individuals with low to moderate income, including those unemployed or underemployed so that they may receive training to upgrade existing skills or to learn new skills in order to secure employment and economic self-sufficiency. Selection is made based on the grant guidelines. For additional information, please contact the Skills Training Department at 256.549.8640.

West/Pentecost Endowment Scholarship was established by Eric Pentecost in honor of his former Boy Scout leader, W. C. West. This scholarship provides partial tuition assistance to a second-year Electrical Technology or Electronic Engineering Technology student. Selection is made by the Technology Department.

Jerry W. Worthy & Larry T. Memorial Scholarship provides tuition, books, and supplies for a second-year nursing student. Selection is made by the Nursing Department.

Peggy Yurk Memorial Nursing Scholarships provide assistance to students in the final year of the nursing program. Recipients are selected by the Nursing Department.
NOTE: Private Scholarship Funds are applied to student accounts through the College Business Office 256.549.8214 or 256-549-8216.

Transfer Scholarships

Transfer Scholarships are available to most universities. In the twelve month period prior to completing academic work at Gadsden State, the student should inquire at the intended university or on the university's web site regarding scholarship opportunities. Scholarship awards are made by the sponsoring institutions; however, a few institutions permit the Gadsden State Community College Honors Committee to make recommendations regarding the recipients. Students may apply for transfer scholarships at the Student Activities Office in February in anticipation of transferring for the following Fall semester. The following institutions traditionally offer scholarships according to the details listed for each:

- **Jacksonville State University - The Presidential Transfer Scholarship – Apply directly to JSU**
  Students who graduate an Alabama two-year college institution with a 3.5 GPA or better may apply prior to the scholarship priority deadline for a tuition scholarship to JSU. The scholarship covers 12 hours of tuition fall and spring semesters and is renewable for the second year with appropriate GPA. The scholarship may not be combined with any other institution-provided scholarships. Interested students may join the FUSION program while at Gadsden State. The application deadline is strictly enforced and should be available on the JSU scholarship website.

- **The University of Alabama - Birmingham - Honors Choice Scholarship**
  Students with a 3.5 or higher GPA are welcomed to apply for this transfer scholarship. One Honors Choice Scholarship is recommended by the Honors Committee. This scholarship is valued at $1500 per year and is renewable for a second year. Transfer awards at UAB may not be combined with other institution-provided scholarships. The UAB Scholarship Office determines the best option for each student.

- **The University of Alabama - Huntsville - World of Kathy Chan & Christel L. McCanless**
  Students with 3.5 or higher GPA are encouraged to apply directly through UAH Scholarship Office for these and other transfer opportunities, and students are also encouraged to complete a Gadsden State Transfer Scholarship Application. The Chan and McCanless Scholarships are designated for Gadsden State students, so recommendation from the Gadsden State Honors Committee is frequently a deciding factor. The Chan and McCanless Scholarships are typically $1800 per year and are renewable for a second year. These scholarships are permitted to be combined or “stacked” with other awards since they are privately funded.

- **The University of Alabama - Presidential Scholarship**
  Students with a 3.5 cumulative GPA or higher who have earned or will earn an associate degree by August from Gadsden State are encouraged to apply directly to UA for the Presidential Scholarship and also complete a Gadsden State Transfer Scholarship Application. This scholarship covers the cost of tuition for up to four semesters, so its value changes depending on tuition. There are two scholarships designated for Gadsden State students.

- **University of Montevallo - President's Scholarship & Dean's Scholarship**
  Students with a 3.25 GPA or higher are considered for these transfer scholarships. The Dean's Scholarship requires the recipient to live in on-campus housing. The President's Scholarship does not designate where the student lives. These scholarships offer $3000 per year and are renewable for a second year. Phi Theta Kappa members receive an additional $1000. One student for each scholarship is recommended by the Honors Committee.

- **Troy University**
  Troy University has three types of scholarships specifically to assist transfer students. Students should apply directly to Troy to be considered for any of these. However, one scholarship is designated specifically for a Gadsden State student. The Phi Theta Kappa Transfer Scholarship is $1,100 per year to the student who is selected by the Gadsden State Chapter. The student must have completed two years of academic work, have a minimum GPA of 3.5, and be nominated by the Phi Theta Kappa advisor. The student may not receive any other institutional scholarship from Troy University.
Appendix C
Honors and Recognition

Gadsden State recognizes both academic and non-academic student achievement in a variety of ways during the graduation ceremony and on Honors Day, usually in April. Listed below are the awards and scholarships typically presented to Gadsden State students throughout the year. More information appears in this catalog under the sections entitled “Academic Honors” and “Scholarships.”

**James B. Allen Award** — presented to an outstanding student nominated by faculty and then selected by a faculty committee

**President’s Cups** — presented to students who have demonstrated unique success in all academic and technical phases of college life

**Outstanding Achievement Awards** — presented to students who have excelled in all academic and technical phases of college life

- Outstanding Air Conditioning and Refrigeration Technology Students
- Outstanding Ambassador(s)
- Outstanding Art Student
- Outstanding Auto Collision Repair Technology Students
- Outstanding Automotive Manufacturing Technology Student
- Outstanding Automotive Services Technology Students
- Outstanding Carpentry Student
- Outstanding Civil Engineering Technology Student
- Outstanding Computer Science Student
- Outstanding Cosmetology Esthetics Technology Students
- Outstanding Cosmetology Nail Technology Students
- Outstanding Cosmetology Technology Students
- Outstanding Diesel Technology Student
- Outstanding Drafting and Design Technology Student
- Outstanding Electrical Technology Students
- Outstanding Electronic Engineering Technology Students
- Outstanding Engineering Student
- Outstanding Industrial Automation Technology Students
- Outstanding International Student
- Outstanding Machine Tool Technology Students
- Outstanding Math Major Award
- Outstanding Mechanical Design Technology Student
- Outstanding Music Student
- Outstanding Paralegal Student
- Outstanding Physical Education Student
- Outstanding Realtime Reporting Technology Student
- Outstanding Science Student
- Outstanding Student Government Association Officer(s)
- Outstanding Welding Technology Students

**All Alabama Academic Team**

**Alpha Beta Gamma Scholarship** — presented to an Alpha Beta Gamma member for outstanding academic achievement and service to the College and the community

**Cam Menzies Award of Excellence** — presented to the outstanding second-year Realtime Reporting student

**Chad Hawkins Educational Foundation Scholarship** — presented to an outstanding freshman

**Circle K Awards**

**Dr. Lucian Newman, Jr., Award** — presented to an outstanding student in Emergency Medical Services

**Jacksonville State University Scholarships**

**James L. Brown Free Enterprise Scholarship** — presented to an outstanding business student to continue the sophomore year at GSCC

**Lambda Epsilon Chi** — (Paralegal Honorary Society)

**Larry Chesnut Award**

**Leading Edge Institute Representatives**

**Linda Roberts Memorial Award** — presented to an outstanding office administration graduate

**Nightingale Award** — presented to an outstanding nursing student from the technical campus

**Phi Beta Lambda Scholarship** — presented to a Phi Beta Lambda member for outstanding academic achievement and service to the College and the community

**Phi Theta Kappa Awards**

**Troy University Transfer Scholarships**
University of Alabama Transfer Scholarship
University of Alabama at Birmingham Transfer Scholarship
University of Alabama in Huntsville Transfer Scholarship
University of Montevallo Transfer Scholarships
VICA Awards
Who's Who in American Junior Colleges — presented to students who have distinguished themselves in various areas of campus life, selected by faculty committee
Various scholarship recipients are recognized.
Appendix D
Student Organizations

GSCC encourages students to organize clubs for entertainment, recreation, networking, and community service, as well as for interaction and learning beyond the classroom experience. If students and/or faculty members wish to create a new club and if sufficient student interest in such a club exists to sustain the organization, the group must obtain a faculty/staff sponsor and approval of the Coordinator of Student Activities. Following such approval, the group must present its constitution or bylaws to the Coordinator of Student Activities within a year of probationary status before it is recognized as a sustainable campus organization. Membership in a student organization can be restricted if qualifications are clearly spelled out in the bylaws of the club so long as these restrictions do not violate the College’s policies on discrimination.

The following organizations are currently chartered:

- Alpha Beta Gamma (Business Honorary)
- Ambassadors
- Baptist Campus Ministries (BCM)
- Cardinal Spirit
- Circle K
- Chess Club
- Drama Club
- Fellowship of Christian Athletes
- Gadsden State Fishing Cardinals
- Gadsden State Student Democrats
- Gadsden State Student Republicans
- Gadsden State Singers
- Gadsden State Student Nursing Association
- Gadsden State Show Band
- Generation Truth
- Honor’s Program
- Institute of Electrical & Electronic Engineers (IEEE)
- Intramural (Sports – Student Activities)
- Lambda Epsilon Chi (Paralegal Honorary)
- Massage Therapy Club
- Medical Lab Technology Society (MLT)
- Miss Gadsden State Pageant
- National Society of Leadership and Success (Sigma Alpha Pi)
- National Technical Honor Society
- Paralegal Association
- Phi Beta Lambda (PBL) (Business)
- Phi Theta Kappa (PTK) (Honorary)
- Pre-Athletic Trainer Club

- Red Cross Club
- ROTC – Reserve Officers Training Corps
- Realtime Reporting
- Residence Hall Association (RHA)
- Rho Theta Sigma (Radiologic Tech)
- Science-Math-Engineering (SME)
- Skills USA
- Student Alabama Education Association (SAEA)
- Student Government Association (SGA)
- Student Veterans Association (SVA)
- Students Without Borders
- Veterans Upward Bound (VUB)
Appendix E
Safety and Security

1. Crime Reporting and Timely Warnings: Numerous and diligent efforts are made to advise members of the campus community about crime-related problems. The College’s duty to inform students of threatening situations is taken seriously, and as a result, information related to crime and criminal activity is provided to the community in an accurate and timely fashion. Because awareness is essential to effective crime reduction, the College will release information that can be used by students and other College community members to reduce their chances of becoming victims. The Office of Safety and Security will issue timely warnings or safety alerts to campus community members informing them of incidents/crimes impacting the College community and/or surrounding property. This information is disseminated to the College community members via use of electronic mail messages, electronic sign, information flyers posted at highly visible locations throughout campus, Cardinal Alert and crime prevention presentations by Safety and Security personnel, Freshman Focus, all campus orientations, and on-line orientations required of all students.

2. Reporting of Criminal Actions or Emergencies: To report a crime or emergency, community members should call your campus security number or 911. To obtain information or request an escort or for any other security service, community members should call your campus security number. Safety and Security personnel also have the ability to notify county emergency dispatchers regarding emergency situations occurring on campus.

3. Campus Enforcement Authority: All students and employees are encouraged to report promptly all on-campus crime and suspicious activities to the Office of Safety and Security. While off campus, students and employees are encouraged to contact the local law enforcement authorities. Security officers have no arrest authority beyond that of an ordinary citizen; however, they may address offenses and refer them to the local law enforcement authorities. The Office has a good working relationship with the local police and sheriffs where campuses are located. The College and this office diligently cooperate with law enforcement agencies to maximize the effectiveness of police services to the campus community. The Vice President at GSCC coordinates disciplinary action for matters that are violations of College rules.

4. Sexual Assault Prevention Program and Procedures: GSCC will act swiftly to protect the rights of all its members. In the event of sexual assault, various campus and area resources are available to victims. The College supports the victim’s right to choose which avenues of assistance are best for the individual. These resources include the following: The Office of Safety and Security, where all crimes, including sexual assaults, should be reported (a designated employee is assigned to assist victims of sexual assault); the Vice President; the Title IX Coordinator; the local police agency with jurisdiction; and the Emergency Department of the local hospital. An individual who has been sexually assaulted has the following rights:

   A. An opportunity to contact the local law enforcement authorities. GSCC will assist the student in this notification;
   B. Transport to the nearest medical facility approved for the collection of rape evidence;
   C. Awareness of pastoral and professional mental health counseling on campus or in the community;
   D. Alternative academic and living arrangements if requested and reasonably available.

Due to the severity of incidents of sexual assault, the College strongly encourages individuals who have been sexually assaulted to contact the police. Reporting the incident to the police immediately will greatly increase the possibility of successful prosecution if criminal charges are brought. Preserving all evidence of a sexual assault is extremely important.

An individual who has been sexually assaulted will be offered the opportunity to make a formal complaint against the offender through the College’s disciplinary process pursuant to the Student Code of Conduct. The College may pursue charges regardless of whether any criminal charges are filed. The College will initiate internal proceedings in incidents of sexual assault when a student requests such proceedings and/or when subsequent investigation produces evidence of a violation of College policy.

Individuals have the right to have any questions about College policy and the College judicial process answered. If an individual who reports a sexual assault is harassed by anyone in connection with the incident in question, the harassment should be reported immediately. An individual has the option to have a victim’s advocate and/or any other advisor with them at all times throughout such procedures. The accuser and the accused are entitled to the same opportunities to have others present during judicial disciplinary proceedings. Both the accuser and the accused shall be informed of the institutional disciplinary proceeding (the College’s final determination and any sanction against the accused) brought alleging a sex offense.

5. Sexual Offender Registry and Access to Related Information: In accordance with the Campus Sex Crimes Act of 2002, institutions of higher education are required to issue a statement advising the campus community where information about registered sex offenders may be obtained. It also requires sex offenders already required to register in a state to provide notice, as required under state law, of each institution of
higher education in that state at which the person is employed, carries on a vocation, or is a student. In the State of Alabama, information regarding registered sex offenders may be obtained from local municipal police departments, the county sheriff's office, or the Alabama Highway Patrol. This information can also be found online if one visits http://dps.alabama.gov/Community and searches under the Sex Offender Registry.

6. Access to College Facilities: Most of the College's buildings and facilities are accessible to members of the college community, guests, and visitors during normal business hours, (Monday through Friday), except holidays. Faculty and staff who wish to enter any facilities after hours should notify the Office of Safety and Security.

7. Guidelines for Violence Threat Response: Employees who believe they have been subjected to acts of violence, threatened acts of violence, including hostile behavior, physical or verbal abuse, or possession of weapons or dangerous materials of any kind, or who witness or have knowledge of any actions that could be perceived as violent should immediately report the incident to the President, Director of Safety and Security or other appropriate administrator. Students should report such actions to the Vice President or the Director of Safety and Security. All complaints will be promptly investigated, and appropriate action will be taken.

Employees or students who are witnesses to a violent act are advised to resist personal involvement in the situation, to leave the immediate area, and to immediately report the event to a Security employee.

The President, along with the Director of Safety and Security, will evaluate what has occurred and will proceed with an internal investigation.

Pending the circumstances under investigation, the President, along with the Director of Safety and Security, may need to remove from the premises employees or students who are involved in a physical or verbal altercation.

The President must notify the General Counsel of the Alabama Community College System upon the occurrence of or upon the report of an incident under this policy and must keep the General Counsel informed as to the progress of the investigation and its outcome.

It is the intent of the Alabama Community College System and the President of Gadsden State Community College to provide a safe workplace and a safe educational environment, free of acts or threatened acts of violence, including hostile behavior, physical or verbal abuse, or possession of weapons or dangerous materials of any kind on College property or while one is conducting College business. This policy applies to employees, contractors, students, visitors, or anyone else. Additionally, this policy provides a planned and immediate response to such incidents. Violence or threats of violence will not be tolerated.

Third Party Influences: Contractors, and/or visitors purposefully threatening the safety of others on College premises are subject to immediate removal from the premises and/or prosecution under the law.

Employees: To ensure both safe and efficient operations, the Alabama Community College System expects and requires all College employees to display common courtesy and to engage in safe and appropriate behavior on the job at all times. Any involvement in acts or threatened acts of violence, including hostile behavior, physical or verbal abuse, or possession of weapons or dangerous materials of any kind is considered unacceptable behavior that violates this standard of appropriate behavior in the workplace and in the educational environment.

Employees are responsible for their conduct on College premises, whether they are on or off duty. Alabama Community College System and institutional rules of conduct and behavior expectations also apply when employees are traveling on College business, as well as any time employees are working for or are representing the Alabama Community College System away from the premises.

The College will promptly investigate any physical or verbal altercation, threats of violence, or other conduct by employees that threatens the health or safety of other employees or students or the public or otherwise might involve a breach of or departure from the conduct standards in this policy. A search of property may be conducted, under appropriate circumstances. All incidents of physical alterations or threats of violence are treated as gross misconduct and will result in disciplinary action up to and including termination of employment for employees and disciplinary action up to and including expulsion for students.

Retaliation in any form against an individual who exercises their right to make a complaint under this policy or who provides information in the investigation of a complaint is strictly prohibited and will result in appropriate disciplinary action up to and including termination of employment for employees and appropriate disciplinary action up to and including expulsion for students.

8. Cardinal Alert: Cardinal Alert is an emergency notification service that will allow Gadsden State to contact all enrolled students and employees via cell phone, text message, home phone, and e-mail. For follow-up emergency information to the College community, all of the above media to include postings on our web site, television, and radio will be utilized. The service will be used only when there is imminent danger to the campus, i.e., tornado warnings, chemical spills, orders to evacuate or shelter in place, and active shooters.
Parking and Traffic Regulations

A student, faculty, or staff member – whether full-time or part-time, whether in a special course or in a regular course – who intends to operate an automobile or other vehicle on any Gadsden State campus, whether or not he/she is the owner, must comply with the following parking and traffic regulations:

1. The campus parking, traffic, and safety regulations in effect at Gadsden State Community College, as well as all applicable state laws and city ordinances, will be **enforced by the Campus Security at all times**. These regulations, laws, and ordinances apply to ALL persons while they are on a Gadsden State campus. If a vehicle is properly registered with the College, a student may park in any designated parking place except those having **blue, yellow, or white curbing**. White curbs are reserved for faculty and other staff members only, blue curbs are for handicapped parking with a permit, and yellow curbs are no parking at any time.

2. **Motor Vehicle Registration**: All students, faculty and staff using a motor vehicle on any Gadsden State campus must register it with the Safety and Security Office. The student vehicle registration fee is included in the tuition fee. The driver will be issued a hanging tag (“hangtag”), which is to be hung from the inside rearview mirror of the vehicle. Only one free hangtag will be issued to each person. It is the driver's responsibility to keep this hangtag available for use in the vehicle that is driven on campus. However, the hangtag may be moved from one vehicle to another vehicle if necessary. If a hangtag is lost or stolen, the driver must purchase a new one. The fee for an additional hangtag is $10.00.

3. **Types of Hangtags**: Two types of hangtags are issued by Safety and Security on all campuses: the **Faculty/Staff** and the **Student**. If the driver is disabled or if the driver is driving for a disabled person, the vehicle may be parked in a space reserved for the disabled (blue curb) so long as the vehicle bears both a student hangtag and a decal for the disabled. This decal may be obtained through the Office of the Revenue Commissioner, Etowah County Court House. All student hangtags expire on August 31 of year indicated on hangtag.

4. **General Regulations**: When issued a hangtag, the owner of the hangtag will be held responsible for any violation in which the vehicle bearing this hangtag is involved. In the event of mechanical failure of a vehicle, the owner should inform the Information Desk of the vehicle’s location; the owner will be responsible for its removal as soon as available services will permit. The Office of Safety and Security may cancel the registration of any vehicle.

5. **Regulations of Moving Vehicles and Fees Assessed**: The following are violations of the College’s traffic regulations, with the fee assessed for each violation noted:

   A. Exceeding 15 mph on campus  
   B. Failing to stop at a STOP sign  
   C. Failing to YIELD  
   D. Going the WRONG WAY on a one-way street  
   E. Making an illegal U-turn  
   F. Reckless driving

6. **Parking Violations and Fees Assessed**: The following are violations of the parking and safety regulations, with the fee assessed for each violation noted:

   A. No hangtag  
   B. Parking in inappropriate space:
      i. White curbs-Reserved for Faculty/Staff only  
      ii. Blue curbs-Handicapped only with permit  
      iii. Yellow curbs-No Parking at any time  
   C. Backing into a parking space or pulling through  
   D. Improper parking  
   E. Improper display of hangtag  
   F. Giving false information on the application form  
   G. Removing vehicle boot immobilizer  
   H. No parking on grass  
   I. Parking in fire hydrant restricted area  
   J. Parking in visitor only (no students allowed)  
   K. Allowing other students to use your hangtag

   (Plus any fines they may incur)

**NOTE**: All assessed fees listed in Items 5 and 6 above will be doubled if they are not paid within seven (7) calendar days of the assessment. Students should also see Item 8 below.

7. **Vehicle Boot Immobilizer**: Violations of these regulations may result in the vehicle being immobilized with an auto boot. In case of vehicle immobilization, do not attempt to move the vehicle. Contact Campus Security.
8. **Additional Penalties**: Students receiving more than three (3) citations in a 24-months period will have their fines doubled on all subsequent fines.

9. **Appeal Procedure**: Anyone desiring to appeal traffic or parking citations may appeal to the Campus Security (256.549.8200) within seven (7) days after receiving the citation. The decision of the Campus Security Department may be appealed in writing within five (5) days to the Traffic and Parking Committee, appointed by the College President. The decision of the Traffic and Parking Committee is final.

10. GSCC assumes **no responsibility for damage** to any vehicle brought to campus.
Appendix F
Policy Against Harassment and Discrimination

Introduction
The College is committed to providing safe and supportive environments free of discrimination and harassment related to an individual's race, color, gender, religion, national origin, age, or disability. Any practice or behavior that constitutes harassment or discrimination shall not be tolerated on any campus or site or in any division or department by any employee, student, agent, or non-employee on College property and while engaged in any College-sponsored activities. It is within this commitment of providing a harassment-free environment and in keeping with the efforts to establish an employment and educational environment in which the dignity and worth of members of the College community are respected, that harassment of students and employees is unacceptable conduct and shall not be tolerated at the College.

A nondiscriminatory environment is essential to the mission of the College. A sexually abusive environment inhibits, if not prevents, the harassed individual from performing responsibilities as student or employee. It is essential that the College maintain an environment that affords equal protection against discrimination, including sexual harassment. Employees and students who are found in violation of this policy shall be disciplined as appropriate to the severity of the offense. Employees and students of the College shall strive to promote a college environment that fosters personal integrity where the worth and dignity of each human being is realized, where democratic principles are promoted, and where efforts are made to assist colleagues and students to realize their full potential as worthy and effective members of society. Administrators, professional staff, faculty, and support staff shall adhere to the highest ethical standards to ensure a professional environment and to guarantee equal educational opportunities for all students.

For these purposes, the term "harassment" includes, but is not necessarily limited to:
- Slurs, jokes, or other verbal, graphic, or physical conduct relating to an individual's race, color, gender, religion, national origin, age, or disability. Harassment also includes unwelcome sexual advances, requests for sexual favors, and other verbal, graphic, or physical conduct of a sexual nature.

Harassment of employees or students by non-employees is also a violation of this policy. Any employee or student who becomes aware of any such harassment shall report the incident(s) to the Title IX Coordinator, or to the Staff Member of the area in which the incident or the alleged incident occurred.

The employees of the College determine the ethical and moral tone for the College through both their personal conduct and their job performance. Therefore, each employee must be dedicated to the ideals of honor and integrity in all public and personal relationships. Relationships between College personnel of different ranks which involve partiality, preferential treatment, or the improper use of position shall be avoided. Consensual amorous relationships that might be appropriate in other circumstances are inappropriate when they occur between an instructor and any student for whom the instructor has responsibility, between any supervisor and an employee, or between a College employee and a student where preferential treatment results. Further, such relationships may have the effect of undermining the atmosphere of trust on which the educational process depends. Implicit in the idea of professionalism is the recognition by those in positions of authority that in their relationships with students or employees there is always an element of power. It is incumbent on those with authority not to abuse the power with which they are entrusted.

All personnel shall be aware that any amorous relationship (consensual or otherwise) or any otherwise inappropriate involvement with another employee or student makes them liable for formal action against them if a complaint is initiated by the aggrieved party in the relationship. Even when both parties have consented to the development of such a relationship, it is the supervisor in a supervisor-employee relationship, the faculty member in a faculty-student relationship, or the employee in an employee-student relationship who shall be held accountable for unprofessional behavior. This policy encourages faculty, students, and employees who believe that they have been the victims of discrimination or sexual harassment to contact the Title IX Coordinator at the institution. Any reprisals shall be reported immediately to the Title IX Coordinator or to the Cabinet Member of the area in which the incident or alleged incident occurred.

Definition of Sexual Harassment
Sexual harassment is a form of sex discrimination which is illegal under Title VII of the Civil Rights Act of 1964 for employees and under Title IX of the Education Amendments of 1972 for students. Sexual harassment does not generally refer to a single sexual joke, offensive epithet or request for a date. Instead, it is conduct and/or behavior of
a sexual nature which rises to the nature that it interferes with the work or education of its victims and their co-workers or fellow students. Sexual harassment may involve the behavior of a person of either sex against a person of either sex.

Sexual harassment can be verbal, visual, or physical. It can be overt, as in the suggestions that a person could get a higher grade or a raise by submission to sexual advances. The suggestion or advance need not be direct or explicit; it can be implied from the conduct, circumstances, and relationship of the individuals involved. Sexual harassment can also consist of persistent, unwanted attempts to change a professional or educational relationship to a personal one. Sexual harassment is distinguished from consenting or welcome sexual relationships by the introduction of the elements of coercion; threat; unwelcome sexual advances; unwelcome requests for sexual favors; other unwelcome sexually explicit or suggestively written, verbal, or visual material; or unwelcome physical conduct of a sexual nature.

There are two kinds of sexual harassment: Quid Pro Quo and Hostile Environment. Quid Pro Quo describes a situation in which a student or employee is confronted with sexual demands to keep his or her job or to obtain a promotion or raise, a higher grade, or an educational benefit and occurs when submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment or educational opportunities, or when submission to or rejection of such conduct is used as the basis for employment or academic decisions affecting that individual. Hostile Environment typically involves sexually offensive conduct that makes it difficult or unpleasant for an employee or a student. It occurs when such conduct has the purpose or effect of unreasonably interfering with an individual's work or academic performance, or creates an intimidating, hostile, or offensive work or educational environment.

Examples of verbal or physical conduct prohibited within the definition of sexual harassment include, but are not limited to:

1. Physical assault or unwanted touching;
2. Direct or implied threats that submission to or rejection of requests for sexual favors will affect a term, condition, or privilege of employment or a student's academic status;
3. Direct propositions of a sexual activity;
4. Subtle pressure for sexual activity;
5. Repeated conduct intended to cause discomfort or humiliation, or both, that includes one or more of the following: (i) comments of a sexual nature or (ii) sexually explicit statements, questions, jokes, or anecdotes;
6. Repeated conduct that would cause discomfort and/or humiliate a reasonable person at whom the conduct was directed, including one or more of the following: (i) touching, patting, pinching, hugging, or brushing against another's body; (ii) commentary of a sexual nature about an individual's body or clothing; or (iii) remarks about sexual activity or speculations about previous sexual experience(s);
7. Intimidating or demeaning comments to persons of a particular sex, whether sexual or not; and
8. Displaying objects or pictures which are sexual in nature and that would create a hostile or offensive employment or educational environment and serve no educational purpose related to the subject matter being addressed.

It is important to point out that the conduct should be judged from an objective standard in that the facts will be judged on the basis of what is reasonable to persons of ordinary sensitivity and not on the particular sensitivity or reaction of a specific individual. All students and employees should report any harassment and/or discrimination that they may experience and/or observe. No student or employee should assume that an official of the College knows about his or her particular situation.

Resolution of Harassment and Discrimination Complaints

Procedure for Reporting Complaints

1. Any member of the College community who believes that he or she has been the victim of sexual harassment or illegal discrimination should immediately bring the matter to the attention of the Title IX Coordinator, or to any academic or administrative officer, dean, director, supervisor, or advisor, who will then forward the complaint to the Title IX Coordinator or the person designated by the President to coordinate the investigation of such complaints. Upon receipt of the complaint, the Title IX Coordinator shall meet and interview the complainant. During this initial meeting, in addition to gathering the additional information needed to initiate an investigation into the complaint, the Title IX Coordinator shall explain the procedure and shall present a copy of this Harassment and Discrimination Policy. The President and the Vice Chancellor for Legal and Human Resources of the Alabama Department of Postsecondary Education shall be promptly notified of the complaint.
2. The complainant should present the complaint as promptly as possible after the alleged sexual harassment or discrimination occurs. The complainant should submit a written statement of the allegations.
3. It is the intention of this policy to resolve complaints of sexual harassment and illegal discrimination as promptly as possible after the complaint and/or report is made. All complaints and/or reports will be
investigated and resolved within forty-five (45) days of receipt; except in extraordinary cases that require more time for completion of the investigation. Both the complainant and alleged offender shall be given periodical updates as to the status of the investigation.

4. The investigation record shall consist of formal and informal statements from the alleged victim, the alleged offender, witnesses identified by the victim or offender, and others deemed by the investigator to have pertinent knowledge of the facts involved in the complaint. The investigation will afford the accused a full opportunity to respond to the allegations.

5. Complaints may be resolved through informal or formal procedures. Informal means are encouraged at the beginning point, but the choice of where to begin rests with the complainant. If the Title IX Coordinator, or the person designated by the President to handle the complaint, believes that the matter is sufficiently grave because of the nature of the alleged offense or because the complainant seeks to have a sanction imposed, then formal procedures shall be initiated.

Informal Procedures

1. The Title IX Coordinator may notify the alleged offender of the complaint and take whatever steps deemed appropriate to affect an informal resolution that is acceptable to both parties.

2. The parties may choose to participate in mediation. If the complaint is resolved informally, no record of the complaint will be entered in the alleged offender's personnel file or student record. However, the Title IX Coordinator will keep a record of the complaint and the resolution. All such records will remain confidential.

3. If the results of the investigation and informal resolution of the complaint are accepted by the alleged victim and he or she desires no further action against the alleged offender, then no further action be taken. The alleged offender will receive a statement explaining the resolution of the investigation as conducted under this policy and procedure.

4. Some reports of sexual harassment and discrimination may not be appropriate for informal resolution and may require a formal investigation at the discretion of the Title IX Coordinator, or the person designated by the President to coordinate the investigation of the complaint. Substantial weight will be given to the wishes of the complainant when determining whether to investigate a complaint. However, GSUCC may investigate a complaint without the complainant's and/or alleged victim's consent when circumstances so warrant.

Formal Action

If the complaint cannot be resolved on an informal basis, the formal complaint procedure will be implemented. The issues involved in the complaint should not be changed once the charge has been made. However, administrative procedures may be revised to accommodate issues arising during the investigation which were not known to the complainant or the institution when the initial complaint was filed.

1. If the formal complaint is against an employee of the College, the Title IX Coordinator will investigate the complaint and determine the disposition pursuant to applicable law and grievance/discipline procedures.

2. If the formal complaint is against a student, not acting in an instructional or other employment capacity, the Vice President shall refer complaint to the Title IX Coordinator for disposition pursuant to applicable law and grievance/discipline procedures.

3. If the formal complaint is against a person not considered an employee or student of the College, it shall be directed to the Title IX Coordinator for disposition pursuant to applicable law and grievance/discipline procedures.

4. If conflicts of interest exist with the Title IX Coordinator handling the formal complaint, the complaint may be filed with the President.

5. In the event of complaints against employees, the Title IX Coordinator will notify the accused in writing of the complainant's decision to take formal action. Formal action will consist of the Title IX procedures as set forth:

6. The original and two copies of Grievance Form A must be filed with the Title IX Coordinator within 30 calendar days following the date of the alleged violation(s). The alleged violation(s) must be clearly and specifically stated. Form A must be used for the report. The complainant is advised to keep a copy of all forms. NOTICE: Forms are available online at www.gadsdenstate.edu under Current Students, Student Complaint Process.

7. The Title IX Coordinator will investigate, hold a formal hearing, and make a written report of findings to complainant within 30 calendar days following date of receipt of Grievance Form A. Copies of Form A must be provided to the President by the Title IX Coordinator. Complainant's copy must be mailed to his/her home address by certified mail, return receipt requested.

8. Within 15 calendar days following receipt of the findings, the Complainant must file with the President and Title IX Coordinator a written notice of acceptance or appeal of the report. If a notice of appeal is filed, appeal Form B must be used. Complainant must state clearly and specifically on Form B the objections to the findings and/or decision. Copies of Form B must be provided to the Title IX Coordinator and the President. If complainant fails to file notice of appeal by the end of the 15th calendar day following receipt of the findings, the right to further appeal will be forfeited. NOTICE: Forms are available online at www.gadsdenstate.edu under Current Students, Student Complaint Process.
9. The President will have 30 calendar days following date of receipt of complainant's notice of appeal to investigate and study complainant's allegations and the written report of findings to complainant. Form B must be used for the report. Copies of Form B must be provided to the Title IX Coordinator and the Chancellor. Complainants copy must be mailed to his/her home address by certified mail, return receipt requested.

10. Complainant must, within 15 calendar days following receipt of President's report, file with the President and Title IX Coordinator a written notice of acceptance or appeal of the report. If notice of appeal is filed, appeal Form C must be used. Complainant must state clearly and specifically on Form C the objections to the findings and/or decisions of the President. Copies of Form C must be provided to the Title IX Coordinator and the Chancellor. If complainant fails to file notice of appeal by the end of the 15th calendar day following receipt of the President's report, the right to further appeal will be forfeited. If the last day for filing the notice of appeal falls on either a Saturday, Sunday or a legal holiday, complainant will have until the close of business the first day following the 15th calendar day to appeal. Notice: Forms are available online at www.gadsdenstate.edu under Current Students, Student Complaint Process.

11. If the student is not satisfied with the President's report from Form C, the student may appeal to the Alabama Community College System by utilizing the System's official Student Complaint Form which is available online at the ACCS website (www.accs.cc). Complete instructions for filing of the complaint are located on this website.

Harassment and Discrimination Review Committee
The Committee shall review the Policy Against Harassment and Discrimination and training programs annually and make recommendation for changes to the Title IX Coordinator.

Confidentiality and Assurance Against Retaliation
Every effort possible shall be made to ensure confidentiality of information received as part of an investigation. Complaints will be handled on a "need to know" basis with a view toward protecting the interest of all parties involved. The College will do everything consistent with enforcement of this policy and with the law to protect the privacy of all parties involved and to ensure that all involved are treated fairly.

This policy seeks to encourage students, faculty, and other employees to express freely, responsibly, and in an orderly way, opinions and feelings about any problem or complaint of harassment and discrimination. An employee or student bringing a complaint or assisting in investigating a complaint will not be adversely affected in terms of conditions of employment or enrollment. Any act of reprisal, including internal interference, coercion, and restraint, by a Gadsden State employee or by one acting on behalf of the College, violates this policy and will result in appropriate disciplinary action.

Disciplinary Sanction
A conclusion that harassment or discrimination has occurred shall subject the offender to appropriate disciplinary action and may result in, but is not limited to, his/her suspension, discharge, dismissal, or a "no-trespass" warrant. It is the intent of this policy to provide for a prompt and thorough investigation of any complaints. The time limits set forth within these guidelines are subject to change as needed to ensure a satisfactory conclusion to the investigation.
Appendix G
Policy on Sexual Misconduct

This policy prohibits all forms of sexual or gender-based harassment, discrimination or misconduct, including sexual violence, sexual assault, and stalking and intimate partner violence. Misconduct of this nature is contrary to Gadsden State’s institutional values and prohibited by local, state and federal laws, College policies, and the policies of the Alabama Community College System. Any individual who is found to have violated this policy may face disciplinary sanctions up to and including expulsion or termination of employment.

All College community members are strongly encouraged to report information regarding any incident of sexual harassment, sexual violence, stalking or intimate partner violence directly to the Safety and Security and the Title IX Coordinator. The College cannot take appropriate action unless an incident is reported to a “responsible employee” of the College. Upon receipt of a report, the College will take prompt and effective action by: providing interim remedies and support for individuals who make a report or seek assistance under this; conducting a review of the conduct under Title IX of the Education Amendments of 1972; addressing the safety of individuals and the campus community; and as warranted, pursuing resolution through informal measures or formal disciplinary action against the accused.

Retaliation against any person who makes a complaint or participates in the complaint process is a violation of College policy, and should be reported to the Title IX Coordinator. A finding of retaliation may result in disciplinary action independent of any sanctions imposed as a result of the underlying allegations of discrimination and/or harassment.

Scope of Policy
The policy applies to all College community members, including students, faculty, administrators, staff, volunteers, vendors, independent contractors, visitors and any individuals regularly or temporarily employed, studying, living, visiting, conducting business or having any official capacity with the College or on College property.

This policy applies to conduct occurring on College property or at College-sanctioned events or programs that take place off campus. In situations in which both the Complainant and Respondent are members of the College community, this policy will apply regardless of the location of the incident. In particular, off campus conduct that is likely to have a substantial adverse effect on, or poses a threat of danger to, any member of the College community or College is covered under this policy.

Privacy vs. Confidentiality
The College is committed to protecting the privacy of all individuals involved in a report of sexual harassment, sexual violence, and stalking or intimate partner violence. All College employees who are involved in the College’s Title IX response receive specific instruction about respecting and safeguarding private information. Throughout the process, every effort will be made to protect the privacy interests of all individuals involved in a manner consistent with the need for a thorough review of the report.

Privacy and confidentiality have distinct meanings under this policy.
Privacy: Privacy generally means that information related to a report of misconduct will only be shared with a limited circle of individuals. The use of this information is limited to those College employees who “need to know” in order to assist in the active review, investigation or resolution of the report. While not bound by confidentiality, these individuals will be discreet and respect the privacy of all individuals involved in the process.

Confidentiality: Confidentiality means that information shared by an individual with designated campus or community professionals cannot be revealed to any other individual without the express permission of the individual. These individuals are prohibited from breaking confidentiality unless there is an imminent threat of harm to self or others.

When a report involves suspected abuse of a minor under the age of 18, the College is required by law to notify local law enforcement and the local agency for child protective services.

Request for Confidentiality: Where a Complainant requests that his/her name or other identifiable information not be shared with the Respondent or that no formal action be taken, the College will balance this request with its dual obligation to provide a safe and non-discriminatory environment for all College community members and to remain true to principles of fundamental fairness that require notice and an opportunity to respond before action is taken against a Respondent. In making this determination, the College may consider the seriousness of the conduct, the
respective ages and roles of the Complainant and Respondent, whether there have been other complaints or reports of harassment or misconduct against the Respondent, and the rights of the Respondent to receive notice and relevant information before disciplinary action is sought.

The College will take all reasonable steps to investigate and respond to the complaint consistent with the request for confidentiality or request not to pursue an investigation, but its ability to do so may be limited based on the nature of the request by the Complainant. Where the College is unable to take action consistent with the request of the Complainant, the Title IX Coordinator or a member of the Title IX team will inform the Complainant about the chosen course of action, which may include the College seeking disciplinary action against a Respondent. Alternatively, the course of action may also include steps to limit the effects of the alleged harassment and prevent its recurrence that do not involve formal disciplinary action against a Respondent or revealing the identity of the Complainant.

Prohibited Conduct and Definitions
The College prohibits all forms of sexual and gender-based harassment, including sexual violence and intimate partner violence. Each of these terms encompasses a broad range of behavior. In general, sexual violence refers to physical sexual acts perpetrated against a person’s will or where a person is incapable of giving consent due to incapacitation. Intimate partner violence refers to any act of violence or threatened act of violence, sexual or otherwise, against a person who is or has been involved in a sexual, dating, domestic or other intimate relationship with that person.

Within these broad categories, the College prohibits the following specific conduct:

A. Sexual Harassment: Any unwelcome sexual advance, request for sexual favors, or other unwelcome verbal or physical conduct of a sexual nature when:
   1. Submission to or rejection of such conduct is made, either explicitly or implicitly, a term or condition of an individual's employment, evaluation of academic work, or participation in any aspect of a College program or activity; or
   2. Submission to or rejection of such conduct by an individual is used as the basis for decisions affecting the individual; or
   3. Such conduct has the purpose or effect of unreasonably interfering with an individual's work or academic performance, i.e. it is sufficiently serious, pervasive or persistent as to create an intimidating, hostile, humiliating, demeaning, or sexually offensive working, academic, residential, or social environment under both a subjective and objective standard.

A single isolated incident of sexual harassment may create a hostile environment if the incident is sufficiently severe. The more severe the conduct, the less need there is to show a repetitive series of incidents to create a hostile environment, particularly if the harassment is physical.

Sexual harassment also includes gender-based harassment, which may include acts of verbal, nonverbal, or physical aggression, intimidation, or hostility based on sex or sex stereotyping, even if those acts do not involve conduct of a sexual nature.

Examples of conduct that may constitute sexual harassment as defined above may include a severe, persistent or pervasive pattern of unwelcome conduct of one or more of the following:
- Physical conduct: Unwelcome touching, sexual/physical assault, restraining or blocking movements, unwanted sexual advances
- Verbal conduct: Making or using derogatory comments, epithets, slurs or humor, verbal abuse of a sexual nature, graphic verbal commentaries about an individual's body, sexually degrading words used to describe an individual, suggestive or obscene letters, notes or invitations
- Visual conduct: Leering, making sexual gestures, displaying of suggestive objects or pictures, cartoon or posters, severe, visual displays of suggestive, erotic, or degrading sexually oriented images
- Written conduct: letters, notes or electronic communications containing comments, words, or images described above
- Quid pro quo conduct: Direct propositions of a sexual nature between those for whom a supervisory or other authority relationship exists, offering employment benefits in exchange for sexual favors, making submission to sexual advances an actual or implied condition of employment, work status, promotion, grades, or letters of recommendation, including subtle pressure for sexual activity with requests for private meetings with no academic or work purpose

B. Sexual Assault: Having or attempting to have sexual intercourse with another individual:
   - By force or threat of force;
complexity and scope of the allegations, the number of witnesses involved, the availability of the parties or witnesses, extension of time frames, including extension beyond 45 days. Extenuating circumstances may include the means to be guidelines rather than rigid requirements. Extenuating circumstances may arise t


The College seeks to resolve all reports within 45 days of the initial report. All time frames expressed in this policy are equitable opportunity to respond to a report under t

Disciplinary action against a Respondent may only be taken through Formal Resolution procedures. Because the relationship of students, staff, and faculty to the College differ in nature, the procedures that apply when seeking disciplinary action necessaril

Informal resolution is designed to eliminate a hostile environment without taking disciplinary action against a Respondent. Informal resolution may not be used in cases involving sexual violence or assault.

Participation in informal resolution is voluntary and either party can request to end informal resolution at any time.

Formal Resolution
Disciplinary action against a Respondent may only be taken through Formal Resolution procedures. Because the relationship of students, staff, and faculty to the College differ in nature, the procedures that apply when seeking disciplinary action necessarily differ as well. Each of the procedures, however, is guided by the same principles of fundamental fairness and respect for all parties, which require notice, an equitable opportunity to be heard, and an equitable opportunity to respond to a report under this policy.

Time Frame for Resolution
The College seeks to resolve all reports within 45 days of the initial report. All time frames expressed in this policy are meant to be guidelines rather than rigid requirements. Extenuating circumstances may arise that require the extension of time frames, including extension beyond 45 days. Extenuating circumstances may include the complexity and scope of the allegations, the number of witnesses involved, the availability of the parties or witnesses.
the effect of a concurrent criminal investigation, any intervening school break or vacation, or other unforeseen circumstances.

**Formal Resolution**
Formal resolution of a complaint under the Sexual Harassment and Assault Policy will occur through the use of a Hearing Panel.

A. **Hearing Panel**
   The hearing panel consists of the deputy Title IX Coordinators. The Hearing Panel is supported by the Coordinator, who is present at hearing panel meetings, but is not a voting member of the panel. The Coordinator will meet with all involved parties prior to the hearing, be present during the hearing to serve as a resource for the hearing panel on issues of policy and procedure, and to ensure that policy and procedure are appropriately followed throughout the hearing.

B. **Advisors, Support Persons, and Attorneys**
   In any hearing, the Complainant and Respondent may choose to be assisted by an advisor. The advisor may accompany the student to any College investigative, administrative or adjudicative meeting, including the panel hearing. The advisor may not speak to the panel during the hearing.

   A Complainant or Respondent may choose to seek the advice and assistance of an attorney but the attorney may not participate in investigatory interviews, informal resolution proceedings, or formal resolution via administrative hearing or Hearing Panel. Similarly, the College will not recognize or enforce agreements between the parties outside of these procedures.

C. **Pre-Hearing Procedures**
   1. **Notice of Charges**
      following the determination that there is sufficient information to move forward with a hearing, the Coordinator will send letters to both the Complainant and the Respondent. The letter will provide a brief summary of the conduct at issue and the specific provision of the policy violation(s) that are alleged to have taken place.

   2. **Pre-Hearing Meeting with Complainant and Respondent**
      The Coordinator will contact the Complainant and Respondent to schedule separate meetings to explain the hearing process. If the Complainant and/or Respondent have elected to have advisors throughout the hearing process, the advisor is encouraged to accompany the Complainant/Respondent to this initial meeting.

   3. **Notice of Hearing**
      Once each party has met with the Coordinator, a Notice of Hearing is sent to the Complainant and the Respondent. The hearing will be scheduled within ten (10) business days of the date of the Notice of Hearing. Under extenuating circumstances, this time frame may be extended.

   4. **Pre-Hearing Review of Documents**
      The Complainant and the Respondent will each have the opportunity to review all investigative documents, subject to the privacy limitations imposed by state and federal law, at least two (2) business days prior to the hearing.

   5. **Witnesses**
      The Complainant, Respondent, and the hearing panel all have the right to call witnesses. Witnesses must have observed the conduct in question or have information relevant to the incident and cannot be called solely to speak about an individual’s character.

D. **Hearing Panel Procedures**
   1. **Attendance at Hearing**
      If a party does not attend a hearing for any non-emergency or compelling reason, the hearing may be held in his/her absence.

      A Respondent will not be permitted to withdraw from the College prior to the conclusion of an investigation or formal resolution under this policy. If a Respondent chooses not to participate, the College will move forward with the hearing and imposition of sanction, if any, in absentia. The Respondent’s academic transcript will be marked Withdrawal Pending Disciplinary Action, or, if finally resolved in absentia, with the final outcome in accordance with regular practice under this policy.

   2. **Participants in Hearing Procedures**
      The hearing panel is a closed hearing; it is not open to the public. The individuals who may appear before the hearing panel are: the Complainant; the Respondent; any individual serving as an approved advisor or support person; and any individuals appearing as witnesses.

   3. **Hearing Panel Procedures**
      The hearing is an informal proceeding not comparable to a criminal trial; it is the mechanism by which the College assesses, and as appropriate, takes formal disciplinary action regarding a violation of College policy. These procedures are entirely administrative in nature and are not considered legal
proceedings. Neither party may audio or video record the proceedings, nor is formal legal representation allowed.

The hearing panel must review all pertinent information regarding the incident in question prior to the date of the hearing panel. Relevant information supporting the violation(s) alleged may be offered in the form of written statements, documents, items, or oral information from the Complainant, the Respondent, and witnesses.

At the conclusion of the presentation of all witnesses, the Complainant and Respondent will each be given a brief final opportunity to address any outstanding issues of fact.

4. **Deliberation**

After all of the information has been presented, all parties will be dismissed and the hearing will be formally concluded.

The panel members will conduct their deliberations in private. The panel must complete their deliberations within two (2) business days, but every attempt will be made to complete the deliberations promptly. The Coordinator may remain for deliberations, but may not participate in the deliberations and may not vote.

If the panel finds the Respondent responsible, the panel will then recommend appropriate sanctions. The Coordinator will review the recommendations and impose an appropriate sanction.

The findings of the hearing panel will be reduced to writing. The findings will detail the findings of fact and the basis/rationale for the decision of the hearing panel, making reference to the evidence that led to the finding.

E. **Sanctions**

A hearing panel that finds a Respondent responsible for a violation of this policy may recommend appropriate sanctions that may include:

1. **Warning:** Notice, in writing, that continuation or repetition of prohibited conduct may be cause for additional disciplinary action.
2. **Censure:** A written reprimand for violating the Code of Student Conduct or other College policy. The student is officially warned that continuation or repetition of prohibited conduct may be cause for additional conduct action including probation, suspension, or expulsion from the College.
3. **Disciplinary Probation:** Exclusion from participation in privileged activities for a specified period of time. Additional restrictions or conditions may also be imposed. Violations of the terms of disciplinary probation or any other College policy violations may result in further disciplinary action.
4. **Restitution:** Repayment to the College or to an affected party for damages resulting from a violation of this Code. To enforce this sanction, the College reserves the right to withhold its transcripts and degrees or to deny a student participation in graduation ceremonies and privileged events.
5. **Suspension:** Exclusion from College premises, attending classes, and other privileges or activities for a specified period of time, as set forth in the suspension notice. Notice of this action will remain in the student's conduct file. Conditions for readmission may be specified in the suspension notice.
6. **Expulsion:** Permanent termination of student status and exclusion from College premises, privileges, and activities. This action will be permanently recorded on the student's academic transcript.
7. **Withholding Degree:** The College may withhold awarding a degree otherwise earned until the completion of the process set forth in this Code, including the completion of all sanctions imposed, if any.

The hearing panel may deviate from the range of recommended sanctions, based upon a full consideration of the following factors: (1) the Respondent’s prior discipline history; (2) how the College has sanctioned similar incidents in the past; (3) the nature and violence of the conduct at issue; (4) the impact of the conduct on the Complainant; (5) the impact of the conduct on the community, its members, or its property; (6) whether the Respondent has accepted responsibility for his actions; (7) the need to deter similar conduct by others; and (8) any other mitigating or aggravating circumstances, including the College’s values.

The imposition of sanctions will take effect immediately and will not be stayed pending the resolution of the appeal.

F. **Outcome Letter**

The outcome of the hearing panel will be final and communicated to the Complainant and Respondent in writing, usually within four (4) business days from the date the hearing is concluded. The notification of each party should occur at or near the same time.
For reports involving sexual violence, the Complainant will be fully informed of any sanctions. For all other reports under this policy, the Complainant will be informed of only those sanctions that directly relate to the Complainant, consistent with FERPA and other applicable law.

The College reserves the right to notify parents/guardians of dependent students regarding any health or safety risk, change in student status or conduct situation, particularly alcohol and other drug violations. The College may also notify parents/guardians of non-dependent students who are under age 21 of alcohol and/or drug policy violations. Where a student is not dependent, the College will contact parents/guardians to inform them of situations in which there is a significant and articulable health and/or safety risk. The College also reserves the right to designate which College officials have a need to know about individual conduct complaints pursuant to FERPA requirements.

G. Appeals

Either party may appeal the decision of the hearing panel to the President. The appeal must be in writing and filed within five (5) business days of receiving the outcome letter. The appeal shall consist of a plain, concise and complete written statement outlining the grounds for appeal and all relevant information to substantiate the basis for the appeal.

Each party will be given the opportunity to respond in writing to the other party’s appeal. Any response by the opposing party must be submitted to the President within three (3) business days from receipt of the appeal.

Sanctions imposed are implemented immediately unless the President stays implementation pending the outcome of the appeal. In cases where the appeal results in reinstatement to the institution or of privileges, all reasonable attempts will be made to restore the student to their prior status, recognizing that some opportunities lost may be irretrievable in the short term.

The President will render a written decision on the appeal to the Complainant and Respondent within ten (10) business days from the date of the submission of all appeal documents by both parties. The President’s decision is final.

H. Records

The Title IX Coordinator will retain records of all reports and complaints, regardless of whether the matter is resolved by means of Title IX assessment, informal resolution or formal resolution. Complaints resolved by means of Title IX assessment or informal resolution are not part of a student’s conduct file or academic record or of an employee’s personnel file.

Affirmative findings of responsibility in matters resolved through formal resolution are part of a student’s conduct record and an employee’s personnel record. Such records shall be used in reviewing any further conduct, or developing sanctions, and shall remain a part of a student’s conduct record or an employee’s personnel file.
Appendix H
Policies on Computer Use and Internet Access

Acceptable Use Policy for Technology Resources
The College provides technology resources for use by students, faculty, staff, and the general public. This technology includes but is not limited to, all College computing equipment, software, systems, networks, electronic mail, website, and Internet access. These resources are the property of the College and are provided to the campus community to support the College’s mission and institutional goals. The College reserves the rights to grant, restrict, or deny privileges and access to technology resources.

Use of the technology resources must be consistent with the stated mission, goals, policies, procedures, and priorities of the College. Use of College resources is a privilege and requires that users agree to abide by all relevant College policies and procedures, as well as all applicable federal, state, and local laws. Users are expected to conduct themselves in a responsible and ethical manner at all times.

Any use of College technology resources for illegal, inappropriate, or obscene purposes, or in support of such activities, is prohibited. Respect for intellectual property or copyright, ownership of data, security measures, and personal rights and privacy must always be demonstrated.

It should be clear that all personal use of computers to access pornographic websites will result in appropriate disciplinary action and may result in civil and criminal penalties for users. Personal use of computers for business purposes is prohibited and may constitute violation of the Alabama Ethics law. It is illegal to download music through the College computer network system. Employees who are found to be illegally downloading music will be subject to federal and state laws pertaining to such acts.

Email Monitoring
GSCC may monitor all information stored, transmitted, received, or contained in the College email systems. Workplace files, Internet use, and email may be monitored by the College. Information flowing through or stored on computers within the network is not considered confidential and is subject to monitoring by network administrators.

Personal Blogs and Websites
This policy is also applicable to content that you publish on the Internet (e.g. your contributions to blogs, message boards and social networking or content-sharing sites) even if created, updated, modified or contributed to outside of working hours or when using personal IT systems.

When you post content to the Internet that identifies you as an employee of the College and discusses your work, the College, or employees of the College, it is expected that you will conduct yourself appropriately and in a manner that is consistent with the policies of the College and the Alabama Community College System.

If you already have a personal blog or website which indicates in any way that you work for the College, or you intend to create a personal blog or website that will identify you as an employee of the College, you should report this to your immediate supervisor. Any blog or posting that clearly identifies that you work for the College in which you express any idea or opinion should also include a disclaimer stating that the views expressed are personal and do not represent the views or opinions of the College. Online publications which do not identify the author as an employee of the College and do not mention the College and are purely concerned with personal matters will normally fall outside the scope of this policy.

Violation of College and Alabama Community College System policies on Internet sites is subject to investigation and sanctions within this policy and other applicable policies.

Computer Hardware/Software
Any personally-owned computing property or peripheral equipment (including wireless devices) brought to the College cannot be connected to the College network without the approval of the employee's Supervisor and Computer Services. Personally-owned software cannot be loaded onto a College-owned computer unless it is directly related to the job position and is approved by the Supervisor. If any approved personally-owned computer software is loaded onto a College-owned computer, the license and documents must remain with the College computer on campus in the event of an audit. Computer software may be audited by Computer Service and others.
Security and Privacy
Immediately report any suspected breach in the security of the network to appropriate College personnel (e.g. an instructor, lab assistant, or system administrator). Users of campus networks are responsible for safeguarding their user IDs and passwords and for all activity generated from their accounts. Users are expected to comply with system administrator requests for information about computing and IT activities.

The College complies with the provisions of the Family Educational Rights and Privacy Act (FERPA), which prohibits the release of educational records without student permission. The College takes reasonable measures to protect the security and privacy of its computing resources and accounts assigned to individuals but cannot guarantee security and privacy. The College is a public institution and subject to the Alabama Open Records Act. Communications and other documents created by means of College technology resources may be released to appropriate authorities, and all information stored electronically may be made available in administrative or judicial proceedings.

Users should be aware that privacy and security cannot be guaranteed in any networked environment. The College reserves the right to monitor network traffic generally and individual traffic if necessary.

The President or his/her designee may authorize access to employee or student e-mail or computer files if it is believed necessary to prevent or correct improper use, satisfy a legal obligation, or ensure proper operation of the electronic resources.

College Website Disclaimer
The College makes no guarantees that the services of the website will be error-free or uninterrupted or that it will meet the needs of the user. The College cannot be responsible for loss of service or data due to events such as computer failure, loss of power, or security violations. By using the website, the user agrees to abide by all College policies and by state and federal laws. The information offered represents the offerings and requirements of the current catalog, but the right is reserved to make necessary changes in course offerings, curricula, and academic policies. The material obtained from the College website is not intended to create a contract between the user and the College.

Freedom of expression is an inalienable human right and the foundation of democracy. Freedom of expression includes both freedom of speech and the right to receive information. The College will not deny access to a medium that provides free speech as long as it does not infringe upon the rights of another person or violate any state or federal laws or any policies of the College.

The College website provides links to sites of interest and use on the Internet. The College makes no warranties about the accuracy or currency of any information on its website(s) that may be accessed from its services. The College bears no responsibility for material accessed through news groups, chat rooms, bulletin boards, or other web resources not sponsored by the College. All liability is disclaimed for data, information, or opinions expressed through these mediums.
Appendix I
Policy on Copyright and Fair Use

Copyright is the ownership and control of the intellectual property in original works of authorship. The laws of the United States (Title 17, United States Code) provide protection to the owner of copyright. This protection is available to both published and unpublished works. Public Law 94-553, section 6, generally gives the owner of copyright the exclusive right to, and to authorize others to: reproduce in copies, prepare derivative works, distribute copies, perform publicly, and display publicly the copyrighted work.

Copyright law governs any print or non-print reproduction of copyrighted material. It is illegal for anyone to violate any of the rights provided by the copyright law to the owner of copyright. One major limitation, however, is the doctrine of "fair use". Whether use of copyrighted materials falls under the "fair use" exception depends on these four factors: purpose of the use, nature of the work, amount of copying, and effect of the copying on the potential value of the work. Another limitation can be a "compulsory license," which permits limited uses of copyrighted works in return for the payment of fees or royalties.

Faculty, staff, and students of the College must comply with the provisions of the state and federal intellectual property laws, such as the Copyright Act. Procedures for obtaining copyright permissions for course materials have been established and should be followed. Copies of this procedure and other information explaining the Copyright Act as it pertains to copying both course materials and material for personal use are available in campus libraries and on the College web page.

Summary of Civil and Criminal Penalties for Violation of Federal Copyright Laws
Copyright infringement is the act of exercising, without permission or legal authority, one or more of the exclusive rights granted to the copyright owner under section 106 of the Copyright Act (Title 17 of the United States Code). These rights include the right to reproduce or distribute a copyrighted work. In the file-sharing context, downloading or uploading substantial parts of the copyrighted work without authority constitutes an infringement.

Penalties for copyright infringement include civil and criminal penalties. In general, anyone found liable for civil copyright infringement may be ordered to pay either actual damages or "statutory" damages affixed at not less than 4750 and nor more than $30,000 per work infringed. For "willful" infringement, a court may award up to $150,000 per work infringed. A court can, in its discretion, also assess costs and attorneys' fees. For details, see Title 17, United States Code, Sections 504, 505.

Willful copyright infringement can also result in criminal penalties, including imprisonment of up to five years and fines of up to $250,000 per offense.

For more information, please see the Web site of the U.S. Copyright Office at www.copyright.gov, especially their FAQ's at www.copyright.gov/help.faq.

Reporting Copyright Infringement
Under direction of the Digital Millennium Copyright Act (DMCA), the designated agent of the College to receive notice of alleged copyright infringement is the Head of Library Services, whose office is located in Meadows Library, P.O. Box 227, Gadsden, AL 35902-0227.

Digital Millennium Copyright Act Policy

Statement
GSCC complies with the provisions of the Digital Millennium Copyright Act (DMCA) and respects all rights that exist in any material protected by the copyright laws of the United States while also encouraging usage of the material that furthers the educational mission of the College. This site provides guidance to faculty, staff, and students on the usage of copyrighted materials.

Federal law (Title 17 of the US code and the Digital Millennium Copyright Act), contains provisions that prohibit the downloading, uploading, or distribution of copyrighted material in any form without permission or a license to do so from the copyright holder except in accordance with the exemptions provided under the copyright law. Gadsden State neither condones nor supports in any way the use of copyrighted material in ways that are contrary to copyright law. For more information, please read the College's Copyright Policy.
Designated Agent
In accordance with the Digital Millennium Copyright Act (DMCA), an agent must be designated to receive notification of claimed copyright infringements. Gadsden State's designated agent is Michael Gibson, Public Services Librarian.

Claims
The DMCA specifies that all infringement claims must be in writing (either electronic mail or paper letter) and must include the following:

- A physical or electronic signature of the copyright holder or a person authorized to act on his or her behalf;
- A description of the copyrighted work claimed to have been infringed, or, if multiple copyrighted works at a single online site are covered by a single notification, a representative list of such works at that site;
- A description of the material that is claimed to be infringing or to be the subject of infringing activity, and information reasonably sufficient to permit the service provider to locate the material;
- Information reasonably sufficient to permit the service provider to contact the complaint, such as an address, telephone number, and, if available, an electronic mail address;
- A statement that the complainant has a good faith belief that use of the material in the manner complained of is not authorized by the copyright owner, its agent, or the law; and
- A statement that the information in the notification is accurate, and under penalty of perjury, that the complainant is authorized to act on behalf of the owner of an exclusive right that is allegedly infringed.

Procedure to Resolve the Matter

Complaints involving students:
The designated agent will meet with the student whose computer contains the information that is the subject of the complaint. The student will be informed of the College's Copyright, Computer Use, and DMCA policies and asked to produce proof that they have explicit permission or license to use the material in the manner described in the complaint.

If the student does not produce the proper documentation, the student will be instructed to remove the specific material and other similar material from his or her computer. When the student complies with this request, the student will sign a document acknowledging removal of the copyrighted material.

If the student does not comply with the request, access to the student's College's email account and use of the College's computer technology will be blocked and the issue will be referred to the Vice President under the Student Code of Conduct and discipline-Non Academic Policy.

Complaints involving employees:
The designated agent will meet with the employee whose computer contains the information that is the subject of the complaint. The employee will be informed of the College's Copyright, Computer Use, and DMCA policies and asked to produce proof that they have explicit permission or license to use the material in the manner described in the complaint.

If the employee does not produce documentation, the employee will be instructed to remove the specific material and other similar material from his or her computer. When the employee complies with this request, the employee will sign a document acknowledging removal of the copyrighted material.

If he/she refused or does not comply with the designated agent's request, the employee's access to or from the employee's College's account or computer will be blocked and the action will be referred to the employee's supervisor or Cabinet Member.

The designated agent will notify the complainant of how the issue was resolved.
The designated agent will retain records for three years from the date of receiving the complaint.

Commonly Asked Questions
- How does the Digital Millennium Copyright Act (DMCA) affect me?
The distribution of copyrighted material from your computer, including music, games, and videos, for which you do not have owner's permission is a violation of federal law (DMCA) and college policy. A purpose of copyrighted law, including the DMCA, is to encourage creative work by giving creators exclusive rights (with some limits) to distribute their products.

- What do I need to know about downloading music, videos, games, and other media?
In April, 2003, four college students paid fines ranging from $12,000-$17,500 in a settlement of a file-sharing suit brought by the Recording Industry Association of America (RIAA). The RIAA complained that the students were illegally distributing copyrighted music, sharing thousands of copyrighted MP3 music files. Downloading files puts you at risk personally if you are found to possess copyrighted material that you have not obtained legally. It may also result in harm to your system if you download a malicious computer program disguised as a movie or other media. The widespread use of file-sharing programs to download and distribute media for recreational purposes has generated a high volume of network traffic and damaged the performance of other applications used for college work. To preserve bandwidth, the college uses a technique called "bandwidth shaping" to limit network traffic for specific peer-to-peer programs.

If you are using a peer-to-peer (P2P) file-sharing program (1) or have set up an ftp server, make sure that you are not "serving" copyright-protected materials to the world. If the College is notified by policing organizations such as RIAA, MPAA, or their agents (2) that you are serving copyright-protected materials form your computer, you will be requested to appear at College's Discipline Office to discuss the complaint. Failure to appear could result in deactivation of your college privileges.

- **Is it okay to use a peer-to-peer service legally to download files that aren't protected by copyright?**
  Many music, games, and videos downloaded through file-sharing programs fall into the category of copyright infringement. That is, the users downloading the files do not have the permission of the copyright owner. In addition, peer-to-peer file-sharing programs do not determine whether requests for media files are requests for copyright-licensed or freely-usable materials. This means that if you copy music to your computer from a CD you purchased and are signed on to a peer-to-peer service with file-sharing enabled; you are making the copyrighted music you purchased available to others. You are distributing copyrighted material and the copyright owner can hold you liable for a copyright violation.

Copyright owners frequently hire agents to scan college networks for copyright materials that are available to others from computer systems on the college network. The College receives many notices from these organizations alleging copyright infringement. They focus on college campuses because of the high level of file-sharing activity. The DMCA makes Internet Service Providers (ISPs) liable if they do not act to ensure removal of infringing materials when they receive notice of copyright infringement. The college is an ISP for many at the college who use campus network services.

The DMCA provides procedures that may be used by ISPs in dealing with claims of copyright infringement. A member of the college community learns that s/he has been named in a notice of copyright infringement when the college IT account access is denied. The deactivation message contains instructions to contact the campus Discipline Officers to discuss the copyright infringement. Access to a college account is reinstated after the meeting with the college Discipline Officer has taken place and the allegedly infringing material has been removed. The college is sensitive to the academic work that results from deactivating account in response to copyright infringement notices.

- **Does the DMCA make the use of peer-to-peer services illegal?**
  It is not against the law or campus policies to use peer-to-peer file-sharing programs or to swap materials that are not copyright-protected. It is against the rules to download and/or distribute copyright-protected material. If you are using a peer-to-peer file-sharing program, make sure that you are not "serving" the copyright-protected materials to the world.

Most file-sharing programs have worldwide file sharing turned on by default when they are installed. If you have copyright-protected materials on your computer, you need to disable file sharing so that the programs are no longer serving these materials from your computer.

There are other good reasons to disable file-sharing. File-sharing sites often covertly package Spyware software that gathers personal information without your knowledge. This means that you may be giving hackers access to your personal files and programs when you use file-sharing services. As stated above, the college network staff restricts P2P traffic to preserve bandwidth for college work.

- **I don't like the DMCA: What can I do?**
  There is a great deal of debate about the DMCA and copyright law in the digital age. If you disagree with the law, learn more about it and become involved in trying to change the law. A Digital Media Consumers' Right Act was reintroduced in Congress in January, 2003. This act would make "fair use" exceptions to the DMCA. Supporters of this act include Intel, Verizon, Philips Electronics North America Corporation, Sun Microsystems, Gateway, the Consumer Electronics Association, Computer and Communications Industry Association, the Association for Computing Machinery, the Computer Research Association, and a variety of trade associations representing technology companies, the American Library Association, the American Association of Universities, the National Humanities Alliance, the Digital Future Coalition, the Consumers Union, the Home Recording Rights Coalition, the Electronic Frontier Foundation, Public Knowledge, the National Writers Union, and other organizations representing the public interest and the consumers of digital media.
Appendix J
Policies and Procedures on Work Orders

Gadsden State students or employees may request work to be performed by some vocational/technical programs. The item to be repaired must be personal property and must not be intended for resale. Similarly, the job to be performed must be to and/or on the student's or employee's personal property.

To request that such work be performed, obtain a Work Order Request form from the Business Office located on the East Broad Campus or on the Ayers Campus. (This form can also be accessed on the College website.) Submit the completed form to the program instructor. Because work is performed as part of the vocational/technical training program, the program instructor has the right to accept or refuse work. If a job is estimated to cost more than $2500, the Dean of Technical Education and Workforce Development will confer with the President before accepting the job. Work that is accepted is performed on the following priority basis:

1. students enrolled in courses of the program that is to perform the work;
2. the College;
3. Gadsden State employees;
4. active/retired public employees/officials;
5. other Gadsden State students; and,
6. tax-supported or charitable organizations.

If after 90 days the Work Order Request has not been accepted, it will be void.

If the requested work is to be performed, the student/employee must make payments to the College to ensure that amounts due will not exceed $200.00 at any time. If charges are less than $5.00, a minimum fee of $5.00 (plus tax) will be due, and payment must be made before the owner can receive the property. If the student/employee fails to honor the obligation for payment of amounts due, including penalties and fines, the College will use every legal means to collect the amounts due. In addition, the student/employee will be responsible for collection costs and attorney's fees.

The College is not held responsible for work performed. College students and employees may operate—at the risk of the person requesting the service—the person's vehicle if it is being worked on for the purpose of inspecting repairs. The College is not responsible for any stolen items. Any completed live-work project that is not paid for and picked up within 90 days after the College’s initial notification of completion, the property will be deemed abandoned and considered property of the College.
Appendix K
Policy on Social Media

Introduction and Objective
Many current and future students, faculty, staff, alumni, and donors are utilizing mediums, such as Facebook, Twitter, LinkedIn, and YouTube, to stay connected. GSCC believes that having a presence in these areas will allow the College to interact more effectively with students and the community. In order to operate within these mediums effectively, GSCC has developed a social media policy to ensure that any and all interactions on behalf of GSCC represent the College's best interests.

The GSCC Social Media Policy only applies to social media accounts created to represent GSCC's groups, departments, programs, entities, classes, etc., and does not apply to an individual student, faculty, or staff member's personal (non-professional) account.

College Officially Recognized Social Media Accounts
In order to be recognized by the College as an official social media account, the account administrator(s) must seek approval from the office of the supervising cabinet member.

The Public Relations and Marketing Office will review all social media applications and/or accounts to ensure that the proposed site adheres to the College's social media policy. Once the social media account has been approved, any questions with regard to college wide publications should be referred to the Public Relations and Marketing Office. Once a social media account has been officially recognized, the group can request to be listed on the official GSCC Facebook page under the "likes and interests" section.

Individual Professional Accounts
GSCC does not discourage individuals from creating individual professional social media accounts (i.e. Facebook pages for an instructor's class); however, if a member of the faculty or staff creates an individual page related to the role that he or she represents at the College, a disclaimer statement must be clearly displayed on the page as indicated in the disclaimer section below.

Disclaimers
All officially recognized social media accounts must include the following disclaimers.

Disclaimers Related to Specific Types of Accounts:

- **Group, Division, or Program Accounts:** "The comments and postings on this site are those of the site administrator(s) and do not necessarily reflect GSCC opinions, strategies, or policies."
- **Individual Professional Accounts:** The disclaimer is as follows: "The views and opinions expressed here are those of ________ and not those of GSCC. The intended use is not for advertising or endorsement of personal opinions, products, causes, or political candidates or ideas."

Other Disclaimers that Must Be Displayed On Officially Recognized Pages:

- **User-generated Content and Disclaimer**
  GSCC accepts no responsibility or liability for any data, text, software, music, sound, photographs, images, video, messages, or any other materials or content generated by users and publicly posted on this page.

- **Inappropriate Content**
  Anyone who believes this page includes inappropriate content should report it to the site manager first, then to the Public Relations and Marketing Office.

- **Disclaimer for content on linked sites**
  GSCC accepts no liability or responsibility whatsoever for the contents of any target site linked from this page.

- **Terms of Use**
  By posting content on this page, you represent, warrant and agree that no content submitted, posted, transmitted, or shared by you will infringe upon the rights of any third party, including but not limited to copyright, trademark, privacy; or contain defamatory or discriminatory or otherwise unlawful material. GSCC reserves the right to alter, delete or remove (without notice) the content at its absolute discretion for any reason whatsoever.
Copyright
The content on this page is subject to copyright laws. Unless you own the rights in the content, you may not reproduce, adapt or communicate without the written permission of the copyright owner nor use the content for commercial purposes.

Personal (Non-Professional) Accounts
With regard to personal (non-professional) social media accounts for students, faculty and staff, the College is not responsible for monitoring any material or content posted or interactions that take place within in the social media environment. However, if any violations of student or employee conduct are brought to the College's attention, the individual(s) could be subject to the appropriate sanctions as listed in the student and employee handbooks.

Officially Recognized Account Administrators
All social media accounts officially recognized by GSCC must have a GSCC faculty or staff member as an administrator at all times.

Should an official GSCC account administrator leave the College for any reason or no longer wish to be an account administrator, the supervising cabinet member will designate another Gadsden State employee to be an account administrator. The Public Relations and Marketing Office must be notified when a new administrator takes over.

GSCC employees identified as administrators of accounts are held responsible for managing and monitoring content of their officially recognized accounts.

General Guidelines
- All content on officially recognized pages must be in accordance with all policies outlined in the Student and Employee Handbooks including those related to personal information, privacy laws, and intellectual property.
- Representation of personal opinions as being endorsed by the College or any of its organizations is strictly prohibited.
- The GSCC name or logo may not be used to promote any opinion, product, cause, or political candidate.
- Any content posted to any social media site must be owned or otherwise under the control of the person posting that content. All content posted is protected by fair use policies.
- Misleading or false information will not be posted and the College is not accountable for any claims resulting from such content.
- GSCC has the right to remove any content for any reason from officially recognized pages, i.e., content that the College deems threatening, obscene, a violation of intellectual property rights or privacy laws, or otherwise injurious or illegal.
- Citations must be included when using or posting online material that includes direct or paraphrased quotes, thoughts, ideas, photos, or videos with a link provided to the original material, if applicable.
- All information and activities posted must be in compliance with policies of the Alabama Community College System, the College, and local, state, and federal laws. Issues of non-compliance must be immediately reported.

Contact Information
Questions about this policy should be directed to the Public Relations and Marketing Office.
Appendix L
Policy on No Trespass and Appeal Procedure

Gadsden State Community College is a public institution of higher education that is open to the general public. However, the College retains the right to restrict access to College property and College-sanctioned activities due to safety considerations relating to its students, faculty, staff and visitors. This policy describes the circumstances under which access to or presence on College property or at College-sanctioned activities or events may be restricted and the procedures for issuing a No Trespass Notice (“Notice”).

When it is determined that an individual presents an ongoing threat to the College, the College may issue a No Trespass Notice restricting that person from any property owned or controlled by the College.

Consistent with their responsibility to ensure that College property remains safe, all Security Officers are authorized to issue a No Trespass Notice to anyone under the following circumstances:

- An individual has committed a crime;
- An individual has violated a College policy or procedure;
- An individual is engaged in threatening or disruptive behavior;
- An individual is found in a location at a time or under circumstances that causes concern for the safety of persons and/or property on campus;
- An individual is the subject of an existing Protection Order or Restraining Order;
- Following a request from a College administrator or other member of the College community where, after review by a Security Officer, the request is deemed to be warranted.

A No Trespass Notice advises a person that he/she is not authorized to be on College property, or any portion thereof, or at a College-sanctioned event or activity and may be subject to arrest without further warning if he or she refuses to leave the property or returns at any time in the future.

**No Trespass Notices are permanent and remain in full force and effect unless revoked by the appeal process. All No Trespass notices will be placed on the Gadsden State Community College's Website and linked to the Safety and Security webpage.**

**APPEALS PROCESS**

A person who has been issued a No Trespass Notice may appeal the decision to the Director of Physical Plant. The appeal process is not applicable to any criminal charge(s), which are resolved through the appropriate court system.

A. The Notice must be appealed in writing to the Director of Physical Plant. Appeals should be mailed to:
   Director of Physical Plant
   Gadsden State Community College
   P. O. Box 227
   Gadsden, AL 35907-0227

   Appeals should include:
   1. Appellant’s contact information, including address, telephone number and email address.
   2. Date of issuance of the Notice and location.
   3. Reason for being on College property at the time of the incident.
   4. Future need to be on College property.
   5. Any other information appellant wishes to be considered to demonstrate that their presence on Campus or at College-sanctioned activities will not be disruptive or a threat.
   6. Whether a hearing is requested.

B. Upon receipt of an appeal, the Director of Physical Plant will gather all appropriate information and forward all documents and information to the CARE Team for review.

C. Whether to hold a hearing is within the Team’s discretion. In the event that a hearing is held, the CARE Team will conduct a hearing within 3 days for an enrolled student and within 10 days for a non-enrolled student. If a hearing is held, the appellant will be given an opportunity to present or dispute relevant information. Appellants should report to the Safety and Security office, in the Joe Ford Center on the East Broad Campus in Gadsden, and will be escorted to the hearing.

D. The CARE Team will sustain, rescind, or modify the No Trespass Notice in a written decision that will be mailed to the address provided in the written appeal.
E. If an appeal is filed, the restrictions set forth in the No Trespass Notice will remain in effect until the appeal process is completed. If the No Trespass Notice is sustained and the subject of the Notice returns to a restricted area, he or she will be subject to arrest.

F. If, after following the procedure outlined above, the individual still seeks redress, he/she may appeal directly to the President of the College. This appeal to the President must be in writing, must set forth the reason(s) for the appeal, and must be submitted within (3) days of receipt of notice by the C.A.R.E. Committee.

G. The decision of the President is final. The President may approve, overturn, or amend the prior decisions(s). The President shall notify, in writing, the student, and the C.A.R.E. Committee of the decision(s) rendered.
Appendix M
Policy on Registered Sex Offender Notification

Persons required by law to register as sex offenders (registered sex offenders) will be required to notify Campus Security of his/her intent to enroll and will be required to meet with Campus Security to review the notification procedure and conditions of enrollment. If a registered sex offender registers for classes and becomes a student before the college receives such notification, the student will be immediately informed that he/she is being dropped from classes and will receive a refund of any fees that have been paid.

Gadsden State Community College reserves the right to deny, or revoke the admission of registered sex offenders in accordance with College policy. The College reserves the right to evaluate the circumstances of each case and to refuse admission if it is determined that the applicant is a threat to the safety or security of the College community.

When the College is notified by a corrections or law enforcement agency that a registered sex offender has enrolled or intends to enroll, or a registered sex offender self-reports to a College official, the CARE Committee will determine whether such individual will be allowed to attend classes.

Notification to the College Community will be consistent with any recommendation of an informing law enforcement agency.

Level I - Risk to the Community
- Offender name and Risk Level will be on file with Campus Security.
- Notify appropriate College officials.

Level II - Risk to the Community
- If available, background information on the offender supplied by the reporting law enforcement agency will be on file with Campus Security. This information normally includes: offender name, picture, and descriptive information about the offender and the offense.
- Notify faculty teaching classes in which the offender has enrolled.
- Notify the Early Childhood Education Programs and child development programs, and any other program that involve the presence of minors.

Level III - Risk to the Community
- Same notification as for Level II.
- Notify all campus employees and students via college email systems.
- Post information, including picture and name, to campus bulletin boards.

Appeal Process for Denial of Admission or Withdrawal for Registered Sex Offender

When a registered sex offender is denied admission to, or is administratively withdrawn from classes, he/she will receive written notice from the Associate Dean of Student Services of his/her denial of admission or administrative withdrawal from classes. After receiving the notification, he/she may invoke the following appeal process:

A. Within seven (7) calendar days, write a letter of appeal to the Associate Dean of Student Services in which he/she provides the following information:
   - Disclosure of the nature of the offense to which he/she pled guilty or was convicted;
   - Justification for consideration of admission/reinstatement;
   - Statement acknowledging his/her understanding that his/her identity and status as a registered sex offender will be publicized by the College.

B. The CARE Committee will review the information submitted and make a decision within ten (10) calendar days of receiving the letter of appeal.

C. Notification of the decision of the Committee will be sent by letter from the Associate Dean of Students.

D. The decision of the committee shall be final.

Guidelines for Assessing Registered Sex Offender Enrollment Status and Request

What is a registered sex offender?
A person who has been convicted of a crime involving a sexual act where the federal, state or local laws require them to be placed on the Sexual Offender Registry after they have served their criminal sentences or when they have been released on parole.
The tier to which an offender is assigned only corresponds to the plea or conviction, which may not be representative of the crime committed. Also, depending upon the plea or conviction, the offender may only be required to register, without any restrictions of residency.

**Tier I Offenses** – typically of a non-violent nature with persons of the age of majority; minimum of 15 years on the registry
- Public indecency (lewdness)
- Voyeurism
- Possession of child pornography (could include teen sexting)
- Sexual contact without consent

**Tier II Sex Offenses** – are typically also of a non-violent nature, but involve minors; minimum 25 years on the registry
- Any new offense perpetrated by a Tier I sexual offender
- Trafficking of minors for the purposes of sexual activity
- Transportation of minors for the purposes of sexual activity
- Using intimidation to elicit sexual activity
- Using bribery to elicit sexual activity
- Any sexual acts with persons between the ages of 12-15
- Any sexual contact with persons between the ages of 12-15
- Any sexual offenses where the offender has position for authority over the victim, such as a parent or guardian, or those with temporary custody of the child, such as a babysitter or teacher
- Prostitution of minors
- Production or distribution of pornography that includes minors
- Any plan to commit or attempt to commit any of the above

**Tier III Sex Offenses** – most serious sex offender, includes those convicted of violent and non-violent acts, with minors or adults; lifetime on the registry
- Any new offense perpetrated by a Tier II sexual offender
- Most sexual assaults
- Sexual acts where force was used on the victim or the victim was under duress
- Sexual acts where the victim is rendered unconscious or impaired through the use of drugs or alcohol
- Sexual acts where the victim is under the age of 12
- Sexual acts where the victim is unable of consenting to the act due to mental impairment or disability
- Sexual acts where the victim is unable to physically decline the act
- Sexual acts where the victim communicates their unwillingness to participate in the sexual act
- Any plan to commit or attempt to commit any of the above
Course Descriptions 2015-2016

ABR 111 Non-Structural Repair 3 hours: 1T, 5L
Students are introduced to basic principles of non-structural panel repairs. Topics include shop safety, identification and use of hand/power tools, panel preparation, sheet metal repairs, and materials.
Prerequisite As required by program.

ABR 114 Non-Structural Panel Replacement 3 hours: 1T, 5L
Students are introduced to the principles of non-structural panel replacement. Topics include replacement and alignment of bolt-on panels, full and partial panel replacement procedures, and attachment methods.
Prerequisite As required by program

ABR 122 Surface Preparation 3 hours: 1T, 5L
This course introduces students to methods of surface preparation for vehicular refinishing. Topics include sanding techniques, metal treatment, selection of undercoats, and proper masking procedures.
Prerequisite As required by program

ABR 123 Paint Application and Equipment 3 hours: 1T, 5L
This course introduces students to methods of paint application and equipment used for vehicular refinishing. Topics include spray gun and related equipment use, paint mixing, matching, and applying the final topcoat.
Prerequisite As required by program

ABR 151 Safety and Environmental Practices 3 hours: 1T, 5L
This course is designed to instruct the student in the safe use of tools, equipment, and appropriate work practices. Topics include OSHA requirements, the right to know laws, EPA regulations as well as state and local laws. This is a CORE course.
Prerequisite As required by program

ABR 154 Automotive Glass and Trim 3 hours: 1T, 5L
This course is a study of automotive glass and trim. Emphasis is placed on removal and replacement of structural and nonstructural glass and automotive trim. Upon completion, students should be able to remove and replace automotive trim and glass.
Prerequisite As required by program

ABR 156 Automotive Cutting and Welding 3 hours: 1T, 5L
Students are introduced to the various automotive cutting and welding processes. Emphasis is placed on safety, plasma arc, oxy-acetylene cutting, resistance type spot welding, and Metal Inert Gas (MIG) welding. Upon completion, students should be able to safely perform automotive cutting and welding procedures.

ABR 157 Automotive Plastic Repairs 3 hours: 1T, 5L
This course provides instruction in automotive plastic repairs. Topics include plastic welding (airless, hot and chemical), use of flexible repair fillers, identification of types of plastics, and determining the correct repair procedures for each. Upon completion, students should be able to correctly identify and repair the different types of automotive plastics.
Prerequisite As required by program

ABR 181 Special Topics in Auto Body 3 hours: 6L
This course is guided independent study in special projects to give the student additional training in a specific area selected by the instructor. Emphasis is placed on individual student needs to improve or expand skills. Upon course completion, students should be able to demonstrate skills to meet specific needs.
Prerequisite As required by program

ABR 182 Special Topics in Auto Body 3 hours: 6L
This course is guided independent study in special projects to give the student additional training in a specific area selected by the instructor. Emphasis is placed on individual student needs to improve or expand skills. Upon course completion, students should be able to demonstrate skills to meet specific needs.
Prerequisite As required by program

ABR 183 Special Topics in Auto Body 2 hours: 4L
This course is guided independent study in special projects to give the student additional training in a specific area selected by the instructor. Emphasis is placed on individual student needs to improve or expand skills. Upon course completion, students should be able to demonstrate skills to meet specific needs.

ABR 213 Automotive Structural Analysis 3 hours: 1T, 5L
Students learn methods of determining structural misalignment. Topics include methods of inspection, types of measuring equipment, data sheets, and identifying types of structural damage.
Prerequisite As required by program

250
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Units</th>
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<tbody>
<tr>
<td>ABR 214</td>
<td>Automotive Structural Repair</td>
<td>3</td>
<td>1T, 5L</td>
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<td></td>
<td>This course provides instruction in the correction of structural damage. Topics include types and use of alignment equipment, anchoring and pulling methods, and repair/replacement of structural components.</td>
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<td>Prerequisite</td>
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<tr>
<td>ABR 223</td>
<td>Automotive Mechanical Components</td>
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<td>1T, 5L</td>
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<td>This course provides instruction in collision related mechanical repairs. Emphasis is placed on diagnosis and repairs to drive train, steering/suspension components, and various other mechanical repairs.</td>
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<td></td>
<td>Prerequisite</td>
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<tr>
<td>ABR 224</td>
<td>Automotive Electrical Components</td>
<td>3</td>
<td>1T, 5L</td>
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<td>This course provides instruction in collision related electrical repairs and various restraints systems, including seat belts, seat belt tensioners, and airbags. Topics include basic DC theory, types of diagnostic equipment, circuit protection, wire repair, use of wiring diagrams, airbag modules, and impact sensors.</td>
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<td>Prerequisite</td>
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<td>ABR 255</td>
<td>Steering and Suspension</td>
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<td>1T, 5L</td>
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<td>This course introduces students to the various types of suspension and steering systems used in the automotive industry. Emphasis is placed on system components, suspension angles and the effect of body/frame alignment on these components and angles.</td>
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<td>Prerequisite</td>
<td>As required by program</td>
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<tr>
<td>ABR 258</td>
<td>Heating and AC in Collision Repair</td>
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<td>1T, 5L</td>
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<td>This course is a study of automotive air conditioning, heating, and cooling systems. Topics include automotive air conditioning, heating and cooling systems theory, component replacement and system service.</td>
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<td>Prerequisite</td>
<td>As required by program</td>
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<tr>
<td>ABR 261</td>
<td>Restraint Systems</td>
<td>3</td>
<td>1T, 5L</td>
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<td>Both the function and design of various restraints and passive restraints systems, including seat belts, seat belt tensioners, and airbags, will be discussed. Topics include airbag modules and impact sensors for both front and side airbag systems. Students learn about using service manuals, flow charts, and wiring diagrams during the diagnosis and repair process.</td>
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<td>Prerequisite</td>
<td>As required by program</td>
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<tr>
<td>ABR 265</td>
<td>Paint Defects and Final Repair</td>
<td>3</td>
<td>1T, 5L</td>
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<td>This course introduces students to methods of identifying paint defects, causes, cures, and final detailing. Students learn to troubleshoot and correct paint imperfections.</td>
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<td>Prerequisite</td>
<td>As required by program</td>
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<tr>
<td>ABR 267</td>
<td>Shop Management</td>
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<td>1T, 5L</td>
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<td>This course introduces the students to the basic principles of body shop management. Emphasis is placed on management structure, customer/insurance company relations, sound business practices, principles of cycle time, and basic collision/damage estimation. Upon completion, students should be able to understand the principles of operating a collision repair facility.</td>
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<td>Prerequisite</td>
<td>As required by program</td>
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<tr>
<td>ABR 269</td>
<td>Estimating and Damage Analysis</td>
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<td>1T, 5L</td>
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<td>This course introduces the students to the principles of collision/damage estimation. Topics include cost and time estimations, determinations of repair or replacement of parts, and whether to use new, used, or aftermarket parts. Upon completion of this course students should be able to provide a hand written or computerized damage report/estimate.</td>
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<td>Prerequisite</td>
<td>As required by college</td>
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<tr>
<td>ABR 281</td>
<td>Special Topics in Auto Body</td>
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<td>9L</td>
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<td>This course is guided independent study in special projects to give the student additional training in a specific area selected by the instructor. Emphasis is placed on individual student needs to improve or expand skills. Upon course completion, students should be able to demonstrate skills to meet specific needs.</td>
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<td>ABR 291</td>
<td>Auto Body Repair Co-Op</td>
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<td>This course is designed to provide practical shop experience for advanced students through part-time employment in the collision repair industry. Emphasis is placed on techniques used in collision repair facilities. Upon completion, students should have gained skills necessary for entry-level employment.</td>
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<td>ABR 293</td>
<td>Auto Body Repair Co-Op</td>
<td>3 hours</td>
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<tr>
<td>ACR 111</td>
<td>Principles of Refrigeration</td>
<td>3 hours</td>
<td>1T, 4L</td>
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<tr>
<td>ACR 112</td>
<td>HVACR Service Procedures</td>
<td>3 hours</td>
<td>1T, 4L</td>
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<td>ACR 113</td>
<td>Refrigeration Piping Practices</td>
<td>3 hours</td>
<td>1T, 4L</td>
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<tr>
<td>ACR 119</td>
<td>Fundamentals of Gas Heating Systems</td>
<td>3 hours</td>
<td>1T, 4L</td>
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<tr>
<td>ACR 120</td>
<td>Fundamentals of Electric Heating Systems</td>
<td>3 hours</td>
<td>1T, 4L</td>
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<tr>
<td>ACR 121</td>
<td>Principles of Electricity for HVACR</td>
<td>3 hours</td>
<td>1T, 4L</td>
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<tr>
<td>ACR 122</td>
<td>HVACR Electric Circuits</td>
<td>3 hours</td>
<td>1T, 4L</td>
</tr>
<tr>
<td>ACR 123</td>
<td>HVAC/R Electrical Components</td>
<td>3 hours</td>
<td>1T, 4L</td>
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<tr>
<td>ACR 125</td>
<td>Fundamentals of Gas and Electrical Heating Systems</td>
<td>6 hours</td>
<td>2T, 8L</td>
</tr>
<tr>
<td>ACR 126</td>
<td>Commercial Heating Systems</td>
<td>3 hours</td>
<td>1T, 4L</td>
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</table>
ACR 127 HVACR Electric Motors 3 hours: 1T, 4L
This course covers the basic maintenance of electric motors used in HVAC/R systems. Topics include types of motors, motor operations, motor installation, and troubleshooting motors. Upon completion, students should be able to install and service HVAC/R electric motors. Prerequisite As required by College

ACR 128 Heat Load Calculations 3 hours: 3T
This course focuses on heat flow into and out of building structures. Emphasis is placed on determining heat gain/heat loss of a given structure. Upon completion, students should be able to calculate heat load and determine HVAC equipment size requirements. Prerequisite As required by College

ACR 130 Computer Assisted HVAC Troubleshooting 1 hour: 2L
This course focuses on troubleshooting procedures. Emphasis is placed on the proper use of test equipment and machine/electrical malfunctions. Upon completion, students should be able to diagnose and repair service problems in HVAC equipment. Prerequisite As required by College

ACR 132 Residential Air Conditioning 3 hours: 1T, 4L
This course introduces students to residential air conditioning systems. Emphasis is placed on the operation, service, and repair of residential air conditioning systems. Upon completion, students will be able to service and repair residential air conditioning systems. Prerequisite As determined by College

ACR 133 Domestic Refrigeration 3 hours: 1T, 4L
This course covers domestic refrigerators and freezers. Emphasis is placed on installation, removal, and maintenance of components. Upon completion, students should be able to service and adjust domestic refrigeration units. Prerequisite As required by College

ACR 134 Ice Machines 3 hours: 1T, 4L
This course introduces students to commercial ice machines. Emphasis is placed on components, electrical and mechanical operation sequences, control adjustment procedures, preventive maintenance, repairs, and installation procedures. Upon completion, student should be able to install, service and repair commercial ice machines. Prerequisite As required by College

ACR 135 Mechanical/Gas/Safety Codes 3 hours: 3T
This course is to enhance the student's knowledge of the International Fuel Gas Code and International Mechanical Code as well as fire and job safety requirements. Emphasis is placed on code book content and compliance with installation requirements. Upon completion, students should be able to apply code requirements to all work. Prerequisite As required by College

ACR 138 Customer Relation in HVAC 3 hours: 3T
This course covers the basic aspects of customer relations needed by the HVAC technician. Topics include employability skills associated with job performance, record keeping, service invoices, certification requirements, local ordinances, and business ethics. Upon completion, students should be able to get a job and keep it. Prerequisite As required by college.

ACR 141 Environmental Systems 4 hours: 2T, 4L
This course provides students with knowledge and skills of environmental chambers. Topics include theory of the refrigerant components and refrigerant circuits, programmable controllers, electrical pressure and calibration instruments and places emphasis on safety. Upon course completion, students should be able to apply environmentally-safe practices. Prerequisite As required by College

ACR 144 Basic Drawing and Blueprint Reading in HVAC 3 hours: 3T
This course covers basic drawing and blueprint reading as applied to the HVAC industry. Emphasis is on three-view drawings, basic duct systems, and isometric piping. Upon course completion, students should be able to perform basic drawings related to HVAC systems and read pertinent blueprints. Prerequisite As required by College

ACR 147 Refrigerant Transition and Recovery Theory 3 hours: 3T
This course is EPA-approved and covers material relating to the requirements necessary for type I, II, and III universal certifications. Upon completion, students should be prepared to take the EPA 608 certification examination. Prerequisite As determined by College

ACR 148 Heat Pump Systems 3 hours: 1T, 4L
Instruction received in this course centers around the basic theory and application of heat pump systems and components. Upon completion students will be able to install and service heat pumps in a wide variety of applications. Prerequisite As determined by College
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisite</th>
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<td>ACR 149</td>
<td>Heat Pump Systems II</td>
<td>3 hours: 1T, 4L</td>
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<td>ACR 152</td>
<td>Heat Pump Systems</td>
<td>6 hours: 2T, 8L</td>
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<tr>
<td>ACR 181</td>
<td>Special Topics in ACR I</td>
<td>3 hours: 3T</td>
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<tr>
<td>ACR 182</td>
<td>Special Topics in ACR II</td>
<td>3 hours: 6L</td>
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<td>ACR 183</td>
<td>Special Topics in ACR</td>
<td>1 hour: 1T</td>
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<td>ACR 184</td>
<td>Special Topics in ACR</td>
<td>1 hour: 2L</td>
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<td>Special Topics in ACR</td>
<td>2 hours: 2T</td>
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<td>ACR 186</td>
<td>Special Topics in ACR</td>
<td>2 hours: 4L</td>
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<td>ACR 192</td>
<td>HVAC Apprenticeship/Internship</td>
<td>3 hours: 15i</td>
<td>As required by College</td>
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<td>ACR 200</td>
<td>Review for Contractors Exam</td>
<td>3 hours: 3T</td>
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<td>ACR 202</td>
<td>Special Refrigeration Systems</td>
<td>3 hours: 1T, 4L</td>
<td>As determined by College</td>
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<tr>
<td>ACR 203</td>
<td>Commercial Refrigeration</td>
<td>3 hours: 1T, 4L</td>
<td>As determined by College</td>
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<tr>
<td>ACR 205</td>
<td>System Sizing and Air Distribution</td>
<td>3 hours: 1T, 4L</td>
<td>As determined by College</td>
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<td>ACR 209</td>
<td>Commercial Air Conditioning Systems</td>
<td>3 hours: 1T, 4L</td>
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<tr>
<td>ACR 210</td>
<td>Troubleshooting HVACR Systems</td>
<td>3 hours: 1T, 4L</td>
<td>Determined by College unless stated otherwise</td>
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<tr>
<td>ACT 246</td>
<td>Microcomputer Accounting</td>
<td>3 hours</td>
<td>BUS 241 or permission of the instructor</td>
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<tr>
<td>ACT 247</td>
<td>Advanced Accounting Applications on the Microcomputer</td>
<td>3 hours</td>
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<tr>
<td>ACT 249</td>
<td>Payroll Accounting</td>
<td>3 hours</td>
<td>BUS 241 or permission of the instructor</td>
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<tr>
<td>ACT 253</td>
<td>Individual Income Tax</td>
<td>3 hours</td>
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<tr>
<td>ACT 256</td>
<td>Cost Accounting</td>
<td>3 hours</td>
<td>BUS 241</td>
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<tr>
<td>AGP 130</td>
<td>Poultry Production</td>
<td>4 hours: 3T, 1L</td>
<td>As required by program</td>
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<tr>
<td>ART 100</td>
<td>Art Appreciation</td>
<td>3 hours: 3T</td>
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<tr>
<td>ART 109</td>
<td>Art Museum Survey</td>
<td>3 hours: 3T</td>
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<tr>
<td>ART 113</td>
<td>Drawing</td>
<td>3 hours: 6E</td>
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</tbody>
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This course focuses on servicing and maintaining commercial and residential HVAC/R systems. Topics include system component installation and removal and service techniques. Upon completion, the student should be able to troubleshoot and perform general maintenance on commercial and residential HVAC/R systems.

This course provides instruction in the use of various meters and gauges used in the HVACR industry. Emphasis is placed on general service procedures, system diagnosis, and corrective measure, methods of leak detection, and system evacuation, charging and performance checks. Upon completion students should be able to perform basic troubleshooting of HVAC/R.

This course utilizes the microcomputer in the study of financial accounting principles and practices. Emphasis is placed on the use of software programs for financial accounting applications. Upon completion of this course, the student will be able to use software programs for financial accounting applications.

In this course, students use the microcomputer in managerial accounting. Emphasis is on a variety of software programs for managerial accounting applications. Upon completion of this course, the student will be able to use various managerial accounting software programs.

This course focuses on federal, state and local laws affecting payrolls. Emphasis is on payroll accounting procedures and practices, and on payroll tax reports. Upon completion of this course, the student will be able to apply knowledge of federal, state and local laws affecting payrolls.

This course focuses on the fundamentals of the federal income tax laws with primary emphasis on those affecting the individual. Emphasis is on gross income determination, adjustments to income, business expenses, itemized deductions, exemption, capital gains/losses, depreciation, and tax credits. Upon completion of this course, the student will be able to apply the fundamentals of the federal income tax laws affecting the individual.

This course familiarizes the student with cost accounting principles and techniques. Emphasis is on procedures to provide data for job order and continuous process types of industries, determination of unit costs, and preparation of cost reports. Upon completion of this course, the student will be able to apply cost accounting principles and techniques.

This course focuses on the basic technical aspects of poultry production. Topics include housing, growing contacts, heating and cooling, nutrition, economics, and poultry health. Upon course completion, students will be able to develop a poultry production and marketing plan.

This course is designed to help the student find personal meaning in works of art and to develop a better understanding of the nature and validity of art. Emphasis is on the diversity of form and content in original works of art. Upon completion, students should understand the fundamentals of art and the materials used, as well as have a basic overview of the history of art.

This course covers the art experience through supervised visits to museums and art galleries. Emphasis is placed on learning through critical study. Upon completion, students should be able to write a critical analysis of the art work experience that demonstrates an understanding of aesthetics.

This course provides the opportunity for students to develop perceptual and technical skills in a variety of media. Emphasis is placed on communication through experimenting with composition, subject matter, and techniques. Upon completion, students should demonstrate and apply the fundamentals of art to various creative-drawing projects.
Click on any link to be taken to that entry

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**ART 114** Drawing II  3 hours: 6E
This course advances the students’ drawing skills in various art media. Emphasis is placed on communication through experimentation, composition, technique, and personal expression. Upon completion, students should demonstrate creative drawing skills, the application of the fundamentals of art, and the communication of personal feelings and thoughts.  Prerequisite ART 113

**ART 121** Two-Dimensional Composition  3 hours: 6E
This course introduces the basic concepts of two-dimensional images. Emphasis is placed on the elements and principles of design, understanding and familiarization with art materials, and the arrangements and relationships between them. Upon completion, students should demonstrate an effective use of these elements and principles of design in creating two-dimensional compositions.

**ART 127** Three-Dimensional Composition  3 hours: 6E
This course introduces art materials and principles of design that acquaint the beginner with the fundamentals of three-dimensional art. Emphasis is placed on the use of art fundamentals and the creative exploration of materials in constructing three-dimensional art works. Upon completion, students should demonstrate basic technical skills and a personal awareness of the creative potential inherent in three-dimensional art forms.

**ART 175** Digital Photography  3 hours
This course introduces students to digital imaging techniques. Emphasis is placed on the technical application of the camera, digital photographic lighting methods, and overall composition. Upon completion, students should be able to take digital images and understand the technical aspects of producing high quality photos.

**ART 203** Art History I  3 hours: 3T
This course covers a study of the chronological development of different forms of art, such as sculpture, painting, and architecture. Emphasis is placed on history from the ancient period through the Renaissance. Upon completion, students should be able to communicate a knowledge of time periods and chronological sequence, including a knowledge of themes and styles and of the impact of society on the arts.

**ART 204** Art History II  3 hours: 3T
This course covers a study of the chronological development of different forms of art, such as sculpture, painting, and architecture. Emphasis is placed on history from the Baroque to the present. Upon completion, students should be able to communicate a knowledge of time periods and chronological sequence, including a knowledge of themes and styles and of the impact of society on the arts.

**ART 231** Watercolor Painting I  3 hours: 6E
This course introduces materials and techniques appropriate to painting on paper with water-based medium. Emphasis is placed on developing the technical skills and the expressive qualities of watercolor painting. Upon completion, students should be able to demonstrate basic proficiency in handling the techniques of watercolor and how it can be used for personal expression. Prerequisite ART 113 or permission of the instructor

**ART 232** Watercolor Painting II  3 hours: 6E
This course advances the skills and techniques of painting on paper using water-based medium. Emphasis is placed on exploring the creative uses of watercolor and developing professional skills. Upon completion, students should be able to demonstrate and compile a body of original watercolor paintings that reflect a personal awareness of the medium's potential. Prerequisite ART 231

**ART 233** Painting I  3 hours: 6E
This course is designed to introduce the student to fundamental painting processes and materials. Topics include art fundamentals, color theory, and composition. Upon completion, students should be able to demonstrate the fundamentals of art and to discuss various approaches to the media and the creative processes associated with painting. Prerequisite ART 113 or permission of the instructor

**ART 234** Painting II  3 hours: 6E
This course is designed to develop the student's knowledge of the materials and procedures of painting beyond the introductory level. Emphasis is placed on the creative and technical problems associated with communicating through composition and style. Upon completion, students should be able to demonstrate the application of the fundamentals of painting and the creative process to the communication of ideas. Prerequisite ART 233

**ART 253** Graphic Design I  3 hours each: 6E
These courses introduce and explore the art of visual communication through design. Emphasis is placed on the application of design principles to projects involving such skills as illustration, layout, typography, and production technology. Upon completion, students should demonstrate a knowledge of the fundamentals of art and an understanding of the relationship between materials, tools, and visual communication.
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<th>Course Title</th>
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<td>ART 258</td>
<td>Photographic and Media Problems: Digital Media</td>
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<td>Museum Practice I</td>
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<tr>
<td>ART 264</td>
<td>Museum Practice II</td>
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<td>ART 291</td>
<td>Supervised Study in Studio Art</td>
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<td>ART 299</td>
<td>Art Portfolio</td>
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<td>AST 220</td>
<td>Introduction to Astronomy</td>
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<td>AUM 101</td>
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<td>Braking Systems</td>
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<td>AUM 122</td>
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<tr>
<td>AUM 124</td>
<td>Automotive Engines</td>
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<tr>
<td>AUM 130</td>
<td>Drive Train and Axles</td>
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and application of basic internal and external operation relating to proper operation and drivability.

**Prerequisite**  As determined by College  CORE

**AUM 133 Motor Vehicle Air Conditioning**  3 hours: 1T, 4L

This course provides basic instruction in theory, operation, and repair of automotive heating and air conditioning systems. Emphasis is placed on troubleshooting and repair of vehicle air conditioning and heating systems, including but not limited to air management, electrical and vacuum controls, refrigerant recovery, and component replacement.  **Prerequisite**  As determined by College

**AUM 162 Electrical and Electronic Systems**  3 hours: 1T, 5L

This is an intermediate course in automotive electrical and electronic systems. Emphasis is placed on troubleshooting and repair of battery, starting, charging, and lighting systems, subsystems, and components.

**Prerequisite**  As determined by college.  CORE

**AUM 181 Special Topics**  1 hour: 3L

These courses are designed to allow the student to specialize in a particular area of study with minimum instruction in automotive mechanics application and with evaluation at the instructor's discretion. Emphasis is placed on a topic/project that the student is interested in and may include any automotive or related area in automotive mechanics. Upon completion, the student should be able to work with minimum instruction and execute the necessary techniques to finish a live work project of his/her choice.  **Prerequisite**  As determined by College

**AUM 182 Special Topics**  2 hours: 6L

These courses are designed to allow the student to specialize in a particular area of study with minimum instruction in automotive mechanics application and with evaluation at the instructor's discretion. Emphasis is placed on a topic/project that the student is interested in and may include any automotive or related area in automotive mechanics. Upon completion, the student should be able to work with minimum instruction and execute the necessary techniques to finish a live work project of his/her choice.  **Prerequisite**  As determined by College

**AUM 183 Special Topics**  2 hours: 2T

These courses are designed to allow the student to specialize in a particular area of study with minimum instruction in automotive mechanics application and with evaluation at the instructor's discretion. Emphasis is placed on a topic/project that the student is interested in and may include any automotive or related area in automotive mechanics. Upon completion, the student should be able to work with minimum instruction and execute the necessary techniques to finish a live work project of their choice.  **Prerequisite**  As determined by College

**AUM 191 Co-Op**  2 hours: 10i

These courses constitute a series wherein the student works on a part-time basis in a job directly related to automotive mechanics. In these courses the employer evaluates the student's productivity, and the student submits a descriptive report of his/her work experiences. Upon completion, the student will demonstrate skills learned in an employment setting.  **Prerequisite**  As determined by College

**AUM 212 Advanced Electrical and Electronic Systems**  3 hours: 1T, 5L

This course provides instruction in advanced automotive electrical and electronic systems. Emphasis is placed on troubleshooting and repair of advanced electrical and electronic systems, subsystems, and components.  **Prerequisite**  As required by college.

**AUM 220 Advanced Automotive Engines**  3 hours: 1T, 5L

This course provides in depth instruction concerning internal engine diagnosis, overhaul and repair, including but not necessarily limited to the replacement of timing chains, belts, and gears, as well as the replacement or reconditioning of valve train components as well as replacement of pistons, connecting rods, piston rings, bearings, lubrication system components, gaskets, and oil seals.  **Prerequisite**  As required by College

**AUM 224 Man Transmission and Transaxle**  3 hours: 1T, 4L

This course covers basic instruction in manual transmissions and transaxles. Emphasis is placed on the understanding and application of basic internal and external operation relating to proper operation and drivability.  **Prerequisite**  As required by College

**AUM 230 Auto Transmission and Transaxle**  3 hours: 1T, 4L

This course provides basic instruction in automatic transmissions and transaxles. Emphasis is placed on the comprehension of principles and power flow of automatic transmissions and repairing or replacing internal and external components.  **Prerequisite**  As required by College  CORE

**AUM 239 Engine Performance**  3 hours: 1T, 5L

This course provides basic instruction in engine performance with emphasis on fuel and ignition systems relating to engine operation.  **Prerequisite**  As required by College  CORE

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exercises are provided to analyze various series, parallel, and combination alternating instruments, the laws of alternating current, and electrical safety with lockout procedures. Hands on laboratory principles. Topics include basic concepts of electric theory, electrical components, basic circuits, measurement instruments, the laws of alternating current, and electrical safety with lockout procedures. Hands on laboratory exercises are provided to analyze various series, parallel, and combination alternating current circuit configurations.

AUM 244 Engine Performance and Diagnostics 3 hours: 1T, 5L
This course provides advanced instruction in engine performance. Emphasis is placed on engine management and computer controls of ignition, fuel, and emissions systems relating to engine performance and drivability. Prerequisite As required by College CORE

AUM 246 Automotive Emissions 3 hours: 1T, 5L
This is an introductory course in automotive emission systems. Emphasis is placed on troubleshooting and repair of systems, subsystems, and components. Prerequisite As required by College

AUM 281 Special Topics 3 hours: 9L
These courses are designed to allow the student to specialize in a particular area of study with minimum instruction in automotive mechanics application and with evaluation at the instructor's discretion. Emphasis is placed on a topic/project that the student is interested in and may include any automotive or related area in automotive mechanics. Upon completion, the student should be able to work with minimum instruction and execute the necessary techniques to finish a live work project of his/her choice.

AUM 291 Co-Op 3 hours: 15i
These courses constitute a series wherein the student works on a part-time basis in a job directly related to automotive mechanics. In these courses the employer evaluates the student's productivity and the student submits a descriptive report of his work experiences. Upon completion, the student will demonstrate skills learned in an employment setting. Prerequisite As determined by College

AUT 100 Introduction to Automotive Concepts 3 hours: 3T
An introduction to automotive manufacturing concepts is the focus of this course. This course reviews the history of automotive manufacturing and discusses the automotive manufacturing processes for various automotive assembly and sub-assembly plants. It outlines the historical development of automotive manufacturing in Alabama. Finally, the electro-mechanical systems and body components of a typical vehicle will be examined. Prerequisite As determined by College Corequisite As determined by College CORE

AUT 102 Lean Manufacturing and Industrial Safety 3 hours: 3T
This course will introduce students to manufacturing fundamentals. It introduces various tools and techniques typically used in Lean manufacturing. It also will provide Occupational Safety and Health Administration (OSHA) certification instruction. OSHA standards will include electrical, Lock Out/Tag Out, hazardous communications, personal protective equipment, machine guarding, and walking and working surfaces. Prerequisite As determined by College Corequisite As determined by College CORE

AUT 104 Blueprint Reading for Manufacturing 3 hours: 3T
This course provides the students with terms and definitions, theory and orthographic projection, and other information required to interpret drawings used in the manufacturing and industrial trade areas. Topics include multiview projection, pictorial drawings, dimensions and notes, lines and symbols, tolerances, industrial applications, scales, and quality requirements. Upon completion, students should be able to interpret blueprint drawings used in the manufacturing and industrial trades. This course may be tailored to meet specific local industry needs. Prerequisite As determined by College Corequisite As determined by College CORE

AUT 106 Quality Control and Inspection Techniques 3 hours: 3T
This course provides the student with a basic understanding of quality assurance including the history of the quality movement in the United States; national and international standards for quality management systems; the impact of quality on an organization's performance; group problem solving; and statistical methods, such as statistical process control (SPC); process capability studies, quality tools, idea-generating tools, and corrective and preventive actions. Prerequisite As determined by College Corequisite As determined by College CORE

AUT 110 DC Fundamentals 3 hours: 1T, 4L
This course is designed to provide students with a working knowledge of basic direct current (DC) electrical principles. Topics include safety, basic atomic structure and theory, magnetism, conductors, insulators, use of Ohm's law to solve for voltage, current, and resistance, electrical sources, power, inductors, and capacitors. Students will perform lockout/tagout procedures, troubleshoot circuits and analyze series, parallel, and combination DC circuits using the electrical law as and basic testing equipment to determine unknown electrical quantities. Prerequisite As determined by college Corequisite As determined by college CORE

AUT 111 AC Fundamentals 3 hours: 1T, 4L
This course is designed to provide students with a working knowledge of basic alternating current (AC) electrical principles. Topics include basic concepts of electricity, electrical components, basic circuits, measurement instruments, the laws of alternating current, and electrical safety with lockout procedures. Hands on laboratory exercises are provided to analyze various series, parallel, and combination alternating current circuit configurations.
containing resistors, inductors, and capacitors. Upon course completion, students will be able to describe and explain alternating current circuit fundamentals such as RLC circuits, impedance, phase relationships, and power factors. They should be able to perform fundamental tasks associated with troubleshooting, repairing, and maintaining industrial AC systems.

**Prerequisite**: AUT 110

**Corequisite**: As determined by college.

**AUT 114 Introduction to Programmable Logic Controllers** 3 hours: 2T, 3L

This course provides an introduction to programmable logic controllers. Emphasis is placed on, but not limited to, the following: PLC hardware and software, numbering systems, installation, and programming. Upon completion, students must demonstrate their ability by developing, loading, debugging, and optimizing PLC programs. This a CORE course.

**Prerequisite**: As determined by College

**Corequisite**: As determined by College

**AUT 116 Introduction to Robotics** 3 hours: 2T, 2L

This course provides instruction in concepts and theories for the operation of robotic servo motors and power systems used with industrial robotic equipment. Emphasis is on the application of the computer to control power systems to perform work. Student competencies include understanding of the functions of hydraulic, pneumatic, and electrical power system components, ability to read and interpret circuitry for proper troubleshooting and ability to perform preventative maintenance.

**Prerequisite**: As determined by College

**Corequisite**: As determined by College

**CORE**

**AUT 117 AC/DC Machines** 3 hours: 1T, 4L

This course covers the theory and operation of DC motors single and three phase AC motors and the labs will reinforce this knowledge. Emphasis is placed on the various types of single and three phase motors, wiring diagrams, starting devices, and practical application in the lab.

**Prerequisite**: As required by program.

**AUT 118 Introduction to Engineering Technology** 3 hours: 3T

This course is designed to introduce the student to the basic concepts, terminology, and procedures associated with applied analytical skills needed to succeed in higher level courses. Topics include engineering notation, use of scientific calculator, basic algebra, triangulation methods, basic geometry, and basic laws of electricity.

**Prerequisite**: As determined by College

**Corequisite**: As determined by College

**AUT 121 Elements of Industrial Control** 3 hours: 3T

This course covers the basics of automatic control of industrial systems using the programmable logic controller. Topics include relay logic, ladder logic, and the development of ladder logic using software. Upon completion of this course and AUT 122, a student will be able to configure and program a PLC.

**Prerequisite**: As determined by College

**Corequisite**: AUT 122

**AUT 122 Elements of Industrial Control Lab** 2 hours: 4L

This course covers the basics of automatic control of industrial systems using the programmable logic controller. Topics include relay logic, ladder logic, motor controls, and the development of ladder logic using software. Upon completion of this course and the associated theory course a student should be able to configure and program a PLC.

**Prerequisite**: As determined by College

**Corequisite**: AUT 121

**AUT 130 Fundamentals of Industrial Hydraulics and Pneumatics** 3 hours: 2T, 3L

This course provides an introduction to hydraulics/pneumatics. Topics include hydraulic pumps, pneumatic compressors work and system components such as valves, filters, regulators, actuators, accumulators, and lubricators. The lab enables students to test, troubleshoot, and repair hydraulic pumps, pneumatic compressors work and system components such as valves, filters, regulators, actuators, accumulators, and lubricators. Upon completion, students will be able to apply principles of hydraulics/pneumatics.

**Prerequisite**: As determined by College

**Corequisite**: As determined by College

**AUT 132 Principles of Technology** 3 hours: 2T, 2L

This course provides an introduction to the application of the principles of physics in technology. Topics include fundamentals of mechanics, properties of matter, heat and temperature, electricity and magnetism, optics, and modern physics.

**Prerequisite**: As determined by College

**Corequisite**: As determined by College

**AUT 134 Industrial Motors** 3 hours: 1T, 4L

This course focuses on basic information regarding industrial electrical motors. Upon completion students will be able to troubleshoot, remove, replace, and perform routine maintenance on various types of motors.

**Prerequisite**: As determined by College

**Corequisite**: As determined by College

**AUT 136 Principles of Refrigeration** 3 hours: 1T, 4L

This course emphasizes the fundamental principles for air conditioning and refrigeration. Instruction is provided in the theory and principles of refrigeration and heat transfer, HVAC/R system components, common, and specialty tools for
HVAC/R, and application of the concepts of basic compression refrigeration. Upon completion, students should identify system components and understand their functions, identify and use common and specialty HVAC/R tools, and maintain components of a basic compression refrigeration system. Prerequisite: As determined by college

AUT 138 Principles of Industrial Mechanics 3 hours: 1T, 4L
This course provides instruction in basic physics concepts applicable to mechanics of industrial production equipment. Topics include basic application of mechanical principles with emphasis on power transmission, specific mechanical components, alignment, and tension. Upon completion, students will be able to perform basic troubleshooting, repair and maintenance functions on industrial production equipment. Prerequisite: As determined by college

AUT 139 Introduction to Robotic Programming 3 hours: 1T, 4L
This course provides an introduction to robotic programming. Emphasis is placed on but not limited to the following: Safety, motion programming, creating and editing programs, I/O instructions, macros, program and file storage. Upon completion the student will be able to safely perform basic functions in the work cell as well as program a robot to perform simple functions. Prerequisite: As required by college

AUT 142 Industrial Wiring 3 hours: 1T, 4L
This course focuses on principles and applications of commercial and industrial wiring. Topics include electrical safety practices, an overview of National Electric Code requirements as applied to commercial and industrial wiring, conduit bending, circuit design, pulling cables, transformers, switch gear, and generation principles. Prerequisite: As required by college.

AUT 150 Introduction to Machine Shop 3 hours: 2T, 2L
This course introduces machining operations as they relate to the metalworking industry. Topics include machine shop safety, measuring tools, lathes, saws, milling machines, bench grinders, and layout instruments. Upon completion, students will be able to perform the basic operations of measuring, layout, drilling, sawing, turning, and milling. Prerequisite: As determined by College Corequisite: AUT 151

AUT 151 Introduction to Machine Shop I Lab 3 hours: 6L
This course provides practical application of the concepts and principles of machining operations learned in AUT 150. Topics include machine shop safety, measuring tools, lathes, saws, milling machines, bench grinders, and layout instruments. Upon completion, students will be able to perform the basic operations of measuring, layout, drilling, sawing, turning, and milling. Prerequisite: As determined by College Corequisite: AUT 150

AUT 155 Metrology 3 hours: 2T, 2L
This course covers the use of precision measuring instruments. Emphasis is placed on the inspection of machine parts and use of a wide variety of measuring instruments. Upon completion, students should be able to demonstrate correct use of measuring instruments. This course is aligned with NIMS Certification Standards. Prerequisite: As determined by College Corequisite: As determined by College

AUT 156 Principles of Industrial Maintenance Welding and Metal Cutting 3 hours: 1T, 4L
This course provides instruction in the fundamentals of acetylene cutting and the basics of welding needed for the maintenance and repair of industrial production equipment. Topics include oxy-fuel safety, choice of cutting equipment, proper cutting angles, equipment setup, cutting plate and pipe, hand tools, types of metal welding machines, rod and welding joints, and common welding passes and beads. Upon course completion, students will demonstrate the ability to perform metal welding and cutting techniques necessary for repairing and maintaining industrial equipment. Prerequisite: As required by college Corequisite: As determined by college

AUT 193 Special Topics (Electrical/Electronic) 1 hour: 2L
This course is designed to allow students an opportunity to study directly related topics of particular interest which require the application of technical knowledge and technical skills. Emphasis is placed on the application of skills and knowledge with practical experiences. Upon completion, students should be able to solve job-related problems using technical skills and knowledge. Prerequisite: As determined by College Corequisite: As determined by College

AUT 194 Special Topics (Electrical/Electronic) 2 hours: 4L
This course is designed to allow students an opportunity to study directly related topics of particular interest which require the application of technical knowledge and technical skills. Emphasis is placed on the application of skills and knowledge with practical experiences. Upon completion, students should be able to solve job-related problems using technical skills and knowledge. Prerequisite: As determined by College Corequisite: As determined by College

AUT 195 Special Topics (Electrical/Electronic) 3 hours: 6L
This course is designed to allow students an opportunity to study directly related topics of particular interest which require the application of technical knowledge and technical skills. Emphasis is placed on the application of skills and
knowledge with practical experiences. Upon completion, students should be able to solve job-related problems using technical skills and knowledge.

| Course Code | Course Title                                      | Prerequisite                                      | Corequisite                                      | Credits
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<tr>
<td>AUT 221</td>
<td>Advanced Programmable Logic Controllers</td>
<td>As determined by College</td>
<td>As determined by College</td>
<td>3 hours: 2T, 3L</td>
</tr>
<tr>
<td>AUT 222</td>
<td>Advanced Instrumentation</td>
<td>As determined by College</td>
<td>AUT 223</td>
<td>3 hours: 3T</td>
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<tr>
<td>AUT 223</td>
<td>Advanced Instrumentation Lab</td>
<td>As determined by College</td>
<td>AUT 222</td>
<td>2 hours: 4L</td>
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<tr>
<td>AUT 230</td>
<td>Preventive and Predictive Maintenance</td>
<td>As determined by College</td>
<td>AUT 222</td>
<td>3 hours: 1T, 4L</td>
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<tr>
<td>AUT 234</td>
<td>Industrial Motor Controls I</td>
<td>As determined by College</td>
<td>AUT 223</td>
<td>3 hours: 1T, 4L</td>
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<tr>
<td>AUT 236</td>
<td>Variable Speed Motor Drives</td>
<td>As determined by College</td>
<td>AUT 223</td>
<td>3 hours: 2T, 2L</td>
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<tr>
<td>AUT 262</td>
<td>Computer Integrated Manufacturing</td>
<td>As determined by College</td>
<td>AUT 223</td>
<td>3 hours: 3T</td>
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<tr>
<td>AUT 291</td>
<td>Automotive Cooperative Education</td>
<td>As determined by College</td>
<td>AUT 223</td>
<td>1 hour: 5i</td>
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<tr>
<td>AUT 292</td>
<td>Automotive Cooperative Education</td>
<td>As determined by College</td>
<td>AUT 223</td>
<td>2 hours: 10i</td>
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This course includes the advanced principals of PLC's including hardware, programming, and troubleshooting. Emphasis is placed on developing advanced working programs, and troubleshooting hardware and software communication problems. Upon completion, students should be able to demonstrate their ability in developing programs and troubleshooting the system.

This course provides introduction to the field of process control and instrumentation. Topics covered include sensors, transducers, signal conditioning, control devices, an introduction to ladder logic, and PLCs. Upon completion of this course and AUT 223, a student will be able to analyze a simple industrial process control system.

A companion to AUT 222, this course emphasizes hands-on experience for the student using transducers and sensors, as well as control of processes. Upon completion of this course and AUT 222, a student will be able to analyze a simple industrial process control system.

This course focuses on the concepts and applications of preventive maintenance. Topics include the introduction of alignment equipment, job safety, tool safety, preventive maintenance concepts, procedures, tasks, and predictive maintenance concepts. Upon course completion, students will demonstrate the ability to apply proper preventive maintenance and explain predictive maintenance concepts.

This course is a study of the construction, operating characteristics, and installation of different motor control circuits and devices. Emphasis is placed on the control of three phase AC motors. This course covers the use of motor control symbols, magnetic motor starters, running overload protection, pushbutton stations, multiple control stations, two wire control, three wire control, jogging control, sequence control, and ladder diagrams of motor control circuits. Upon completion, students should be able to understand the operation of motor starters, overload protection, interpret ladder diagrams using pushbutton stations and understand complex motor control diagrams.

This course provides instruction in the fundamentals of variable speed drives, industrial motors, and other applications of variable speed drives. Topics include fundamentals of variable speed control, AC frequency drives, DC variable speed drives, installation procedures, and ranges. Upon course completion, students will understand the principles of operation of variable speed drive systems, function of components of each system, and the set-up and installation and troubleshooting techniques for variable speed drives.

This course is a basic introduction to concepts related to the computer integrated manufacturing (CIM) process. Students cover the design requirements associated with such a cell (center), how a center is integrated into the full system, and the technician's role in the process improvement of not only the cell but the full CIM system. Related safety and inspection and process adjustment are also covered.

This course is designed to give students practical, on-the-job experiences in all phases of automotive manufacturing under the supervision of a qualified professional. Grades are based on the successful completion of the work experience as judged by the students' work, supervisor, and faculty coordinator.

This course is designed to give students practical, on-the-job experiences in all phases of automotive manufacturing under the supervision of a qualified professional. Grades are based on the successful completion of the work experience as judged by the students' work, supervisor, and faculty coordinator.
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<th>Course Code</th>
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<th>Credits</th>
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<tbody>
<tr>
<td>AUT 293</td>
<td>Automotive Cooperative Education</td>
<td>3 hours</td>
<td>This course is designed to give students practical, on-the-job experiences in all phases of automotive manufacturing under the supervision of a qualified professional. Grades are based on the success of completion of the work experience as judged by the students' work, supervisor, and faculty coordinator. Prerequisite: As determined by College Corequisite: As determined by College</td>
</tr>
<tr>
<td>BIO 103</td>
<td>Principles of Biology I</td>
<td>4 hours</td>
<td>This is an introductory course for science and non-science majors. It covers physical, chemical, and biological principles common to all organisms. These principles are explained through a study of cell structure and function, cellular reproduction, basic biochemistry, cell energetics, the process of photosynthesis, and Mendelian and molecular genetics. Also included are the scientific method, basic principles of evolution, and an overview of the diversity of life with emphasis on viruses, prokaryotes, and protista. Prerequisite: BIO 103</td>
</tr>
<tr>
<td>BIO 104</td>
<td>Principles of Biology II</td>
<td>4 hours</td>
<td>This is an introduction to the basic ecological and evolutionary relationships of plants and animals and a survey of plant and animal diversity including classification, morphology, physiology, and reproduction. Prerequisite: BIO 103</td>
</tr>
<tr>
<td>BIO 120</td>
<td>Medical Terminology</td>
<td>3 hours</td>
<td>This course is a survey of words, terms, and descriptions commonly used in medical arts. Emphasis is placed on spelling, pronunciation, and meanings of prefixes, suffixes, and roots. Prerequisite: BIO 103</td>
</tr>
<tr>
<td>BIO 201</td>
<td>Human Anatomy and Physiology I</td>
<td>4 hours</td>
<td>This course covers the structure and function of the human body. Included is an orientation of the human body, basic principles of chemistry, a study of cells and tissues, metabolism, joints, the integumentary, skeletal, muscular, nervous systems, and the senses. Dissection, histological studies, and physiology are featured in the laboratory experience. Prerequisite: BIO 103 (Please speak with Advisor)</td>
</tr>
<tr>
<td>BIO 202</td>
<td>Human Anatomy and Physiology II</td>
<td>4 hours</td>
<td>This course covers the structure and function of the human body. Included is a study of basic nutrition, basic principles of water, electrolyte and acid-base balance, the endocrine, respiratory, digestive, excretory, cardiovascular, lymphatic, and reproductive systems. Dissection, histological studies, and physiology are featured in the laboratory experience. Prerequisite: BIO 103 (Please speak with Advisor)</td>
</tr>
<tr>
<td>BIO 206</td>
<td>Human Anatomy</td>
<td>4 hours</td>
<td>This course covers the basic structure and function of the human body. Emphasis is placed on the structure of the organ systems, cells, and tissues. Mammalian dissection and histological studies are featured in the required laboratory. Prerequisite: BIO 201 (Please speak with Advisor)</td>
</tr>
<tr>
<td>BIO 220</td>
<td>General Microbiology</td>
<td>4 hours</td>
<td>This course includes historical perspectives, cell structure and function, microbial genetics, infectious diseases, immunology, distribution physiology, culture, identification, classification, and disease control of microorganisms. The laboratory experience includes micro-techniques distribution, culture, identification, and control. Two 120 minute laboratories are required. Prerequisite: BIO 103 (Please speak with Advisor) [Recommended 4 semester hours of Chemistry]</td>
</tr>
<tr>
<td>BIO 251</td>
<td>Directed Studies in Biology II</td>
<td>4 hours</td>
<td>This course permits the student, with the approval of the instructor, to study and/or to research a topic in biology appropriate to the student's interest. Prerequisite: Permission of instructor</td>
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<tr>
<td>BIO 271</td>
<td>Human Gross Anatomy/Pathophysiology</td>
<td>4 hours</td>
<td>This course uses a system by system approach to discuss the manifestations, terminology, diagnosis, and mechanisms of disease. Human cadaver dissection is used to gain an in-depth knowledge of human anatomy and physiology. A 180-minute laboratory is required. Prerequisite: BIO 201 and permission of instructor.</td>
</tr>
<tr>
<td>BUS 100</td>
<td>Introduction to Business</td>
<td>3 hours</td>
<td>This is a survey course designed to acquaint the student with American business as a dynamic process in a global setting. Topics include the private enterprise system, forms of business ownership, marketing, factors of production, personnel, labor, finance, and taxation.</td>
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<tr>
<td>BUS 146</td>
<td>Personal Finance</td>
<td>3 hours</td>
<td>This course is a survey of topics of interest to the consumer. Topics include budgeting, financial institutions, basic income tax, credit, consumer protection, insurance, house purchase, retirement planning, estate planning, investing and consumer purchases</td>
</tr>
<tr>
<td>BUS 186</td>
<td>Elements of Supervision</td>
<td>3 hours</td>
<td>This course is an introduction to the fundamentals of supervision. Topics include the functions of management,</td>
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responsibilities of the supervisor, management-employee relations, organizational structure, project management, and employee training and rating.

**BUS 189 Human Relationships** 3 hours
This course enables employees to better understand actions and motivations within the organizational structure. Topics include general principles of human behavior operating in the workplace.

**BUS 215 Business Communication** 3 hours
This course covers written, oral, and nonverbal communications. Topics include the application of communication principles to the production of clear, correct, and logically organized faxes, e-mail, memos, letters, resumes, reports, and other business communications.

**BUS 241 Principles of Accounting I** 3 hours
This course is designed to provide a basic theory of accounting principles and practices used by services and merchandising enterprises. Emphasis is placed on financial accounting, including the accounting cycle, and financial statement preparation analysis.

**BUS 242 Principles of Accounting II** 3 hours
This course is a continuation of BUS 241. In addition to a study of financial accounting, this course also places emphasis upon managerial accounting, with coverage of corporations, statement analysis, introductory cost accounting, and use of information for planning, control, and decision making. **Prerequisite BUS 241**

**BUS 263 The Legal and Social Environment of Business** 3 hours
This course provides an overview of the legal and social environment for business operations with emphasis on contemporary issues and their subsequent impact on business. Topics include the Constitution, the Bill of Rights, the legislative process, civil and criminal law, administrative agencies, trade regulations, consumer protection, contracts, employment, and personal property.

**BUS 271 Business Statistics I** 3 hours
This is an introductory study of basic statistical concepts applied to economic and business problems. Topics include the collection, classification, and presentation of data, statistical description and analysis of data, measures of central tendency and dispersion, elementary probability, sampling, estimation and introduction to hypotheses testing. **Prerequisite** two years of high school algebra, intermediate algebra, or appropriate score on math placement test

**BUS 272 Business Statistics II** 3 hours
This course is a continuation of BUS 271. Topics include sampling theory, statistical inference, regression and correlation, chi-square, analysis of variance, time series index numbers, and decision theory. **Prerequisite BUS 271**

**BUS 276 Human Resource Management** 3 hours
This course provides an overview of the responsibilities of the supervisor of human resources. Topics include the selection, placement, testing, orientation, training, rating, promotion, and transfer of employees.

**BUS 291 Alternating Business Co-Op I** 3 hours each: 15i each
This three-course sequence allows students to alternate semesters of full-time work in a job closely related to the student's academic major with semesters of full-time academic work. Emphasis is placed on a student's work experience as it integrates academic knowledge with practical applications in the business environment. The grade is based on the employer's evaluation of student productivity, evaluative reports submitted by the student, and the development and assessment by the student of a learning contract.

**BUS 292 Alternating Business Co-Op II** 3 hours each: 15i each
This three-course sequence allows students to alternate semesters of full-time work in a job closely related to the student's academic major with semesters of full-time academic work. Emphasis is placed on a student's work experience as it integrates academic knowledge with practical applications in the business environment. The grade is based on the employer's evaluation of student productivity, evaluative reports submitted by the student, and the development and assessment by the student of a learning contract.

**BUS 293 Alternating Business Co-Op III** 3 hours each: 15i each
This three-course sequence allows students to alternate semesters of full-time work in a job closely related to the student's academic major with semesters of full-time academic work. Emphasis is placed on a student's work experience as it integrates academic knowledge with practical applications in the business environment. The grade is based on the employer's evaluation of student productivity, evaluative reports submitted by the student, and the development and assessment by the student of a learning contract.
BUS 296 Business Internship I 3 hours each: 15i each
This two-course sequence allows the student to work part-time on a job closely related to the student's academic major while attending classes on a full-time basis. Emphasis is placed on a student's work experience as it integrates academic knowledge with practical applications in the business environment. The grade is based on a term paper, job-site visits by the instructor, the employer's evaluation of the student, and the development and assessment by the student of a learning contract.
Prerequisite A minimum of 6 semester hours completed and a minimum GPA of 2.0 ("C")

BUS 297 Business Internship II 3 hours each: 15i each
This two-course sequence allows the student to work part-time on a job closely related to the student's academic major while attending classes on a full-time basis. Emphasis is placed on a student's work experience as it integrates academic knowledge with practical applications in the business environment. The grade is based on a term paper, job-site visits by the instructor, the employer's evaluation of the student, and the development and assessment by the student of a learning contract.
Prerequisite A minimum of 6 semester hours completed and a minimum GPA of 2.0 ("C")

CAR 111 Construction Basics 3 hours: 3T
This course introduces the student to the basic concepts of blueprint reading. Topics include scales, symbols, site plans, notations, schedules, elevations, sections, specifications, and detail drawings. Upon course completion, the student should be able to identify drawings, to scale various drawings, to identify different types of lines, symbols, and notations, as well as plot plans, describe easements, understand building code concepts, locate utilities, and explain various aspects of all types of plans and drawings.
Prerequisite As determined by program

CAR 112 Floors, Walls, and Site Prep 3 hours: 3T
This course introduces the student to the opportunities in and the requirements of the construction industry. Topics include economic outlook for construction, employment outlook, job opportunities, training, apprenticeship, entrepreneurship, construction tools, materials, and equipment, job safety, and OSHA standards. Upon course completion, students should be able to identify the job market, types of training, knowledge of apprenticeship opportunities, construction tools, materials, equipment, and safety procedures.
Prerequisite As determined by College

CAR 113 Floors, Walls, and Site Prep Lab 3 hours: 9L
In this course the student will engage in applications of site preparation, floor and wall layout, and construction. Emphasis is placed on following job safety, procedures, the use of required tools and equipment, performing site preparation, laying out and framing a floor system, and laying out and erecting walls. Students will use various measurement and leveling tools, identify and install beams, girders, floor joists, sub-flooring and install various wall components, such as partitions, bracing, headers, sills, doors and windows, and corners. Upon course completion, students will be able to follow proper safety procedures, identify building lines and set backs, and demonstrate a working knowledge of leveling applications.
Prerequisite As determined by College

CAR 114 Construction Basics Lab 3 hours: 9L
This course provides practical and safe application of hand, portable power, stationary, and pneumatic tools; use of building materials, fasteners, and adhesives; and job site safety. Emphasis is placed on the safe use of hand, power, and pneumatic tools; proper selection of lumber, plywood, byproducts, nails, bolts, screws, adhesives, fasteners, and other construction materials; and job safety. Upon course completion, students should be able to identify hand, power, stationary, and pneumatic tools, as well as demonstrate their safe use; identify and select appropriate wood and non-wood building products; and use nails, fasteners, and adhesives properly.
Prerequisite As determined by program

CAR 121 Introduction to Blueprint Reading 3 hours: 3T
This course introduces the student to the basic concepts of blueprint reading. Topics include scales, symbols, site plans, notations, schedules, elevations, sections, specifications, and detail drawings. Upon course completion, the student should be able to identify drawings, to scale various drawings, to identify different types of lines, symbols, and notations, as well as plot plans, describe easements, understand building code concepts, locate utilities, and explain various aspects of all types of plans and drawings.
Prerequisite As determined by program Corequisite As required by program

CAR 122 Concrete and Forming 3 hours: 3T
This course introduces the student to concrete, its properties and uses, and procedures for designing concrete forms. Topics include making and pouring concrete, constructing concrete forms, reinforcement methods, finishing concrete, and job safety. Upon completion, students should be able to list safety rules for the job site, list what concrete is
made of, describe how concrete forms are built and how concrete is poured, reinforced, and finished.

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<tr>
<td>CAR 123</td>
<td>Concrete and Forming Lab</td>
<td>3 hours: 9L</td>
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This course provides practical experience in mixing concrete, building forms, using reinforcing materials, pouring and finishing concrete, and demonstrating proper safety techniques at the job site. Emphasis is placed on job site safety, concrete forming, mixing, pouring, finishing, and reinforcing. Upon completion, the student should be able to demonstrate job safety, set forms, reinforce, mix, pour, and finish concrete correctly.

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<tr>
<td>CAR 131</td>
<td>Roof and Ceiling Systems</td>
<td>3 hours: 3T</td>
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This course focuses on framing ceilings and roofs. Emphasis is placed on various types of ceiling and roofing frames, rafters, trusses, ceiling joists, roof decking, and roofing materials. Upon completion, students should be able to explain how to frame a roof and ceiling, identify proper installation methods of roofing materials, and describe applicable safety rules.

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<tr>
<td>CAR 132</td>
<td>Interior and Exterior Finishing</td>
<td>3 hours: 1T, 6L</td>
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This course introduces the student to interior and exterior finishing materials and techniques. Topics include interior trim of windows and doors, ceiling and wall moldings, exterior sidings, trim work, painting, and masonry finishes. Upon completion, students should be able to identify, describe the uses of, and install different types of doors, windows, and moldings; identify and install the types of exterior sidings and trim; and describe the different types of paint and their proper application.

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<tr>
<td>CAR 133</td>
<td>Roofing and Ceiling Systems Lab</td>
<td>3 hours: 9L</td>
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</table>

This course provides students with practical experience in roof and ceiling layout, framing, and installation. Upon completion, the student should be able to layout and frame a roof and ceiling, cut and install rafters and joists, install trusses, cut and apply roof decking and roofing materials, and apply job site safety.

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<tr>
<td>CET 100</td>
<td>Engineering Blueprints</td>
<td>3 hours: 3T</td>
<td>As required by program</td>
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<tr>
<td>CET 101</td>
<td>Introduction to Engineering Technology</td>
<td>3 hours: 3T</td>
<td>As required by program</td>
<td>CORE</td>
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<tr>
<td>CET 105</td>
<td>Introduction to Microstation</td>
<td>3 hours: 2T, 2L</td>
<td>As required by program</td>
<td>CORE</td>
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<tr>
<td>CAR 214</td>
<td>Introduction to Cabinetry</td>
<td>3 hours: 7L</td>
<td>As determined by program</td>
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</tr>
<tr>
<td>CAR 224</td>
<td>Floor, Wall, and Ceiling Specialties</td>
<td>3 hours: 7L</td>
<td>As determined by program</td>
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<tr>
<td>CAR 226</td>
<td>Metal Framing</td>
<td>3 hours: 9L</td>
<td>As determined by program</td>
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<tr>
<td>CAR 228</td>
<td>Stairs, Molding, and Trim</td>
<td>3 hours: 7L</td>
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<tr>
<td>CAR 230</td>
<td>Residential Repair and Remodeling</td>
<td>3 hours: 3T</td>
<td>As determined by program</td>
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<td>CAR 232</td>
<td>Construction Project Management</td>
<td>3 hours: 3T</td>
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This course introduces the student to the various types of engineering drawings. Topics include architectural, civil, electrical, electronic, and mechanical engineering blueprints. Upon completion of this course, students will be able to identify techniques, symbols, language, and purpose of the engineering drawings covered.

This course is designed to introduce the student to the basic concepts, terminology, and procedures associated with applied analytical skills needed to success in higher level courses. Topics include engineering notation, use of scientific calculator, basic algebra, trigonometry, and geometry.

This course teaches the basic techniques and concepts used in setting up a computer-aided drafting software program on a personal computer to make technical drawings. Students use Microstation in application of drawing/design techniques. Students will be expected to draw proper basic, multi-view drawings using Microstation by the completion of the course.

This course introduces the student to the basic concepts, terminology, and use of instruments. Taping, differential and profile leveling, transit, stadia, and transit-tape surveys. Upon completion, students will be able to apply the theory and practice of plane
surveying to determine boundaries, areas, and volumes of land measurements.

Prerequisite: As required by program  CORE

CET 112 Intermediate Surveying  3 hours: 2T, 2L
This course is a continuation of CET 111, with emphasis on route surveying. Topics include design and layout of horizontal and vertical curves, super elevation, and site distances. Upon completion, students will be able to design and to lay out roadways.  Prerequisite: CET 111  CORE

CET 121 Engineering Materials  3 hours: 3T
This course introduces the student to the applications and characteristics of materials commonly used in engineering design. Topics include wood, steel, concrete, and asphalt. Upon completion, students will be able to identify and to explain the characteristics and uses of the various building materials and to complete basic design or inspection of these materials.  Prerequisite: As determined by instructor

CET 131 Highway Design and Construction  3 hours: 3T
This course presents an overview of street and highway design from concept to construction. Topics include highway planning, design, and construction as well as driver, vehicle, and traffic characteristics, highway capacity, slight distances, design of cross section and grade line, and drainage. Upon completion, students will be able to determine the best and most economical highway design practices.

Prerequisite: As determined by instructor, MDT 105, CET 112  CORE

CET 181 Special Topics in Civil Engineering Technology  1 hour, 2L
These courses provide specialized instruction in various areas related to civil engineering technology. Emphasis is placed on meeting students' needs.  Prerequisite: As determined by instructor

CET 183 Special Topics in Civil Engineering Technology  2 hours, 6L
These courses provide specialized instruction in various areas related to civil engineering technology. Emphasis is placed on meeting students' needs.  Prerequisite: As determined by instructor

CET 213 Topographical Surveying and Drawing  3 hours: 1T, 4L
This course introduces the student to the application of surveying and drafting principles to depict accurately a section of terrain with respect to elevations, distance, and contour lines. Topics include cross sections, contour lines, and stadia. Upon completion, students will be able to complete a topographical survey of a piece of property and draw a contour map of the property.  Prerequisite: CET 111 and/or as required by program

CET 214 Hydraulics  3 hours: 3T
This course introduces fluid mechanics, with primary emphasis on water and sewer. Topics include water at rest, open channel flow, and head losses in piping systems. Upon completion, students will be able to design a sanitary sewer and storm water system.  Prerequisite: CET 101 and/or as required by program  CORE

CET 215 Statics  3 hours: 3T
This course is an overview of the principles of mechanics-statics whereby the external and the internal forces acting on a body may be analyzed and their effects ascertained. Topics such as coplanar and non-coplanar systems, parallel and non-parallel, and concurrent and non-concurrent forces will be examined. Upon completion, students will be able to analyze simple to moderately complex structures and to determine the effects of these forces on the members of various systems.  Prerequisite: CET 101  CORE

CET 216 Advanced Surveying  3 hours: 6L
This course presents complex principles and practices used in high precision civil engineering survey projects. Topics include Alabama law as applied to modern surveying, minimum technical standards, use of electronic surveying equipment, and Global Positioning Systems (GPS). Upon completion of the course, the student should be able to complete a survey using minimum technical standards accurate to 1:10,000.  Prerequisite: CET 111, CET 112

CET 217 Strength of Materials  3 hours: 3T
This course presents a look at the techniques used in the analysis and design of structural elements in systems with a view toward equipping the student to select structural members that are safe and economical. Topics include the study of stress strain curves, material properties and uses, and both bolted and welded connections. Upon completion of this course, the student should be able to identify stresses in various structural members.  CORE

Prerequisite: CET 215  CORE

CET 221 Construction Equipment  3 hours: 1T, 4L
This course is a study in the use and economics of various types of construction equipment. Topics include owning and operating costs, rental rates, application, production maintenance, and equipment safety. Upon completion, the student should be able to evaluate the most economical and efficient uses of construction equipment.
CET 222 Residential Land Development  3 hours: 1T, 4L
This course is an overview of engineering principles concerning various types of land development for residential use. Topics include single-family, garden-home, and multi-family development master planning. Upon completion of this course, students will be able to design various types of residential developments. Prerequisite  MDT 105 and/or as required by program

CET 223 Site Planning and Development  3 hours: 1T, 4L
This course is an overview of the engineering principles of site grading and development. Topics include building orientation, parking, traffic flow, drainage, site grading, and earthwork. Upon completion of this course, students will be able to design a site to include grading, drainage, parking, and building orientation. Prerequisite  MDT 105 and/or as required by program

CET 240 Geographic Information Systems  3 hours: 3T
This course is designed to introduce the student to the Geographic Information System (GIS) software. Topics will include storing, managing, and displaying spatial features and geographic data, coordinate systems, vector and raster data models, spatial data editing, and attribute data management. Upon completion students should be able to manipulate and edit GIS data. Prerequisite  As required by program.

CET 281 Special Topics in Civil Engineering Technology  3 hours: 6L
This course provides specialized instruction in various areas related to civil engineering technology. Emphasis is placed on meeting students' needs. Prerequisite  As required by program.

CET 281A-H Special Topics in Civil Engineering Technology  3 hours: Contact hours will vary
This course provides specialized instruction in various areas related to civil engineering technology. Emphasis is placed on meeting students' needs. Prerequisite  As determined by College

CET 284A Cooperative Education  1 hours, 5I
This course is designed to provide paid cooperative work experience directly related to the civil engineering technology field. The average hours worked each week will determine the number of credit hours allowed. Grades are based on the successful completion of the work experience as judged by the student's work supervisor and the faculty coordinator. Prerequisite  As determined by College.

CET 284B Cooperative Education  2 hours, 10I
This course is designed to provide paid cooperative work experience directly related to the civil engineering technology field. The average hours worked each week will determine the number of credit hours allowed. Grades are based on the successful completion of the work experience as judged by the student's work supervisor and the faculty coordinator. Prerequisite  As required by program.

CET 284D Cooperative Education  3 hours, 15I
This course is designed to provide paid cooperative work experience directly related to the civil engineering technology field. The average hours worked each week will determine the number of credit hours allowed. Grades are based on the successful completion of the work experience as judged by the student's work supervisor and the faculty coordinator. Prerequisite  As required by program.

CHD 100 Introduction to Early Care Education of Children  3 hours
This course is an introduction to the child care profession, and it includes the six functional areas of the Child Development Associate (CDA) credential. Emphasis is placed on using positive guidance techniques, setting up a classroom, and planning a schedule. Upon completion, students should be able to create and to modify children's environments to meet individual needs, to use positive guidance to develop positive relationships with children, and to promote children's self-esteem, self-control, and self-motivation.

CHD 201 Child Growth and Development Principles  3 hours
This course is a systematic study of child growth and development from conception through early childhood. Emphasis is placed on principles underlying physical, mental, emotional, and social development and on methods of child study and practical implications. Upon completion, students should be able to use knowledge of how young children differ in their development and approaches to learning to provide opportunities that support the physical, social, emotional, language, cognitive, and aesthetic development of children.  CORE

CHD 202 Children's Creative Experiences  3 hours
This course focuses on fostering creativity in preschool children and on development a creative attitude in teachers. Topics include selecting and developing creative experiences in language arts, music, art, science, math, and movement, with observation of and participation with young children required. Upon completion, students should be able to select and implement creative and age-appropriate experiences for young children. Prerequisite  CHD 100
CHD 203  Children's Literature and Language Development  3 hours
This course surveys appropriate literature and language arts activities designed to enhance young children's speaking, listening, pre-reading, and writing skills. Emphasis is placed on developmental appropriateness as related to language. Upon completion, students should be able to create, evaluate, and demonstrate activities that support a language-rich environment for young children.  CORE

CHD 204  Methods and Materials for Teaching Children  3 hours
This course introduces basic methods and materials used in teaching young children. Emphasis is placed on students compiling a professional resource file of activities used for teaching math, language arts, science, and social science concepts. Upon completion, students should be able to demonstrate basic methods of creating learning experiences using appropriate techniques, materials, and realistic expectations. Prerequisite  CHD 100  CORE

CHD 205  Program Planning for Educating Young Children  3 hours
This course is designed to give students practice in lesson and unit planning, writing behavioral objectives, and evaluating activities taught to young children. Emphasis is placed on identifying basic aspects of cognitive development and how children learn. Upon completion, students should be able to plan and implement developmentally appropriate curriculum and instructional practices based on knowledge of individual differences and the curriculum goals and content.

CHD 206  Children's Health and Safety  3 hours
This course introduces basic health, nutrition, and safety management practices for young children. Emphasis is placed on setting up and maintaining a safe, healthy environment for young children, including specific procedures for infants and toddlers and procedures regarding childhood illnesses and communicable diseases. Upon completion, students should be able to prepare a healthy, safe environment to plan nutritious meals and snacks, and to recommend referrals if necessary.  CORE

CHD 208  Administration of Child Development Programs  3 hours
This course includes appropriate administrative policies and procedures relevant to preschool programs. Topics include local, state, and federal regulations; budget planning; record keeping; personnel policies; and parent involvement. Upon completion, students should be able to identify elements of a sound business plan, to demonstrate familiarity with basic record keeping techniques, and to identify elements of a developmentally appropriate program.

CHD 209  Infant and Toddler Education Programs  3 hours
This course focuses on child development from infancy to thirty months of age, with emphasis on planning programs using developmentally appropriate material. Emphasis is placed on positive ways to support an infant’s social, emotional, physical, and intellectual development. Upon completion, students should be able to plan an infant-toddler program and environment that is appropriate and supportive of the families and the children.

CHD 210  Educating Exceptional Young Children  3 hours
This course explores the many different types of exceptionalities found in young children. Topics include speech, language, hearing, and visual impairments; gifted and talented children; mental retardation; and emotional, behavioral, and neurological handicaps. Upon completion, students should be able to identify appropriate strategies for working with young exceptional children.  CORE

CHD 211  Child Development Seminar  1 hour
This course provides students with knowledge of a variety of issues and trends related to the childcare profession. Subject matter will vary according to industry and student needs. Upon completion students should be able to discuss special topics related to current trends and issues in child development.  Prerequisite  As determined by college.

CHD 211A  Music for Preschoolers  1 hour
This course provides students with a wealth of songs and activities to include music in the curriculum of the early childhood classroom. Basic music theory is discussed as well as including music to teach in all subject areas of the curriculum.

CHD 211B  Parent Involvement  1 hour
This course is designed to aid students in helping parents feel comfortable in the classroom and encouraging the parents to become involved in their children's education. There is discussion on the different types of parenting and various options to allow the parent to take an active role in the education of their child.

CHD 211D  Science Throughout the Year Seminar  1 hour
This course includes topics and activities related to teaching science to young children during the course of the school year. Upon completion the students will be able to plan a science curriculum that is appropriate to the developmental needs of children 3 to 8 years old.
CHD 211E Pre-Reading in the Classroom 1 hour
This course exposes students to the many skills that must be mastered before reading can occur. Those skills begin at birth. The students are exposed to many activities that should occur in the birth-3 year old classroom that are pre-reading activities. Ideas are given as to how to create a print rich classroom environment.

CHD 211F Early Childhood Curriculum 1 hour
This course provides students with the knowledge of how to prepare and implement curriculum for young children birth-8 years. It also will expose students to all different types of curriculum taught in the area schools and preschools.

CHD 211H Early Childhood Classroom 1 hour
This course provides students with the knowledge of how to set up a developmentally appropriate early childhood classroom. Students are exposed to many creative ways to decorate a classroom to make sure all the basic information young children must learn is displayed appropriately. Students study various classroom lay-outs and which ones are most appropriate for each different age of children. Upon completion the students should be able to set up a developmentally appropriate classroom for any age young child.

CHD 211I Books, Books, Books, 1 hour
This course includes exposure to multiple children’s books appropriate for children ages birth-8 years. It includes topics and activities related to teaching reading. Upon completion, students will be able to plan lessons using children’s books. Skills will be pulled from these books and will supplement other directed teaching activities.

CHD 211J Early Childhood Make and Take Seminar 1 hour
This course is designed to aid students in creating a developmentally appropriate classroom. Upon completion students will have created manipulatives, props, and activities to equip a literacy rich and developmentally appropriate classroom for young children.

CHD 211K Literacy Centers 1 hour
This course provides students with the knowledge of how to prepare literacy centers in the classroom for children birth-8 years of age. Included in this course are what is required for a child to become a reader and a writer.

CHD 211M Special Needs 1 hour
This course is an update on current trends and issues affecting young children with special needs. It also aids teachers in early identification and detection of problems as early as possible. It includes all areas of teaching related to children with all types of special needs.

CHD 211N Hands-on Math 1 hour
This course provides topics and activities related to teaching math to young children. Upon completion, the students will be able to plan a math curriculum that is appropriate to the developmental needs of children 3 years - 8 years old.

CHD 211P Reading, Writing, and Arithmetic 1 hour
This course provides students with examples of how to incorporate all these subject areas into different thematic units which can be taught throughout the year. This course introduces students to many activities that specifically teach skills but are considered play to children.

CHD 211Q Teaching ESL (Literacy and Language) 1 hour
This course provides students with knowledge of working with children and parents who are learning English as a second language. Various aspects of different cultures are covered as well as learning simple phrases to aid in communication. Language development is discussed as well as multicultural themes.

CHD 211R Technology with Preschoolers 1 hour
This course addresses the rising concern of using developmentally appropriate technology with young children. This course explores the many sites for ideas of developmentally appropriate lesson plans for young children and using appropriate sites for teaching and practice of basic skills. Topics include using YouTube, Facebook, Pinterest, and other social media in the classroom and with parents. Upon completion, the students should be able to select a variety of age appropriate and developmentally appropriate sites to be used in the classroom and with parents.

CHD 212 Child Development Associate Seminar 2 hours
This course includes topics from competency areas required for individuals working toward or renewing CDA credentials. Industry needs determine course topics. Upon completion students will demonstrate competency in meeting course objectives. Prerequisite Permission of instructor

CHD 214 Families and Communities 3 hours
This course will provide students information about how to work with diverse families and communities. Students will be introduced to family and community settings, their important relationship to children, and the pressing needs of today’s society. Students will study and practice techniques for developing these important relationships and effective
communication skills.

**CHD 215 Supervised Practical Experience in Child Development** 3 hours: 6E
This course includes current topics in the child development field as an update for the professional caregiver. The needs of industry determine course topics. Upon completion, students should demonstrate competencies designed to assess course objectives. **Prerequisite** Advisor approval

**CHD 217 Math and Science for Young Children** 3 hours
This course will provide students information on children’s conceptual development and the fundamental basic concepts of both math and science. Students will learn various techniques for planning, implementing and evaluating developmentally appropriate activities. Students will also learn more about the integrated curriculum.

**CHD 219 Supervised Practical Experience** 2 hours
This course provides hands-on, supervised experienced in an approved program for young children. Emphasis is placed on performance of daily duties which are assessed by the college instructor and the cooperating teacher. Upon completion, students will be able to demonstrate competency in a child care setting. **Prerequisite** As determined by college.

**CHD 220 Parenting Skills** 3 hours
This course will focus on important issues in parenting education, beginning with prenatal concerns and continuing through childhood years. Particular emphasis will be placed on appropriate positive discipline methods.

**CHM 104 Introduction to Inorganic Chemistry** 4 hours: 3T, 3E
This is a survey course of general chemistry for students who do not intend to major in science or engineering; it may not be substituted for CHM 111. Lecture will emphasize the facts, principles, and theories of general chemistry including math operations, matter and energy, atomic structure, symbols and formulas, nomenclature, the periodic table, bonding concepts, equations, reactions, stoichiometry, gas laws, phases of matter, solutions, pH, and equilibrium reactions. Laboratory is required. **Prerequisite** CHM 104 or CHM 111

**CHM 105 Introduction to Organic Chemistry** 4 hours: 3T, 3E
This is a survey course of organic chemistry and biochemistry for students who do not intend to major in science or engineering. Topics include basic nomenclature, classification of organic compounds, typical organic reactions, reactions involved in life processes, function of biomolecules, and the handling and disposal of organic compounds. Laboratory is required. **Prerequisite** MTH 098 or equivalent math placement score

**CHM 111 College Chemistry I** 4 hours: 3T, 3E
This is the first course in a two-semester sequence designed for the science or engineering major who is expected to have a strong background in mathematics. Topics include measurement, nomenclature, stoichiometry, atomic structure, equations and reactions, basic concepts of thermochemistry, chemical and physical properties, bonding, molecular structure, gas laws, kinetic-molecular theory, condensed matter, solutions, colloids, and some descriptive chemistry topics. Laboratory is required. **Prerequisite** MTH 112 (Precalculus Algebra or equivalent math placement score)

**CHM 112 College Chemistry II** 4 hours: 3T, 3E
This is the second course in a two-semester sequence designed primarily for the science or engineering student who is expected to have a strong background in mathematics. Topics include chemical kinetics, chemical equilibria, acids and bases, ionic equilibria of weak electrolytes, solubility product principle, chemical thermodynamics, electrochemistry, oxidation-reduction, nuclear chemistry, an introduction to organic chemistry and biochemistry, atmospheric chemistry, and selected topics in descriptive chemistry including the metals, nonmetals, semimetals, coordination compounds, transition compounds, and post-transition compounds. Laboratory is required. **Prerequisite** CHM 111 (College Chemistry I)

**CHM 221 Organic Chemistry** 4 hours: 3T, 3E
This is the first course in a two-semester sequence. Topics include nomenclature, structure, physical and chemical properties, synthesis, and typical reactions for aliphatic, alicyclic, and aromatic compounds with special emphasis on reaction mechanisms, spectroscopy, and stereochemistry. Laboratory is required and will include the synthesis and confirmation of representative organic compounds with emphasis on basic techniques. **Prerequisite** CHM 221 (Organic Chemistry I)

**CHM 222 Organic Chemistry II** 4 hours: 3T, 3E
This is the second course in a two-semester sequence. Topics include nomenclature; structure; physical and chemical properties; synthesis; typical reactions for aliphatic, alicyclic, aromatic, and biological compounds; and polymers and their derivatives, with special emphasis on reaction mechanisms, spectroscopy, and stereochemistry. Laboratory is required and will include the synthesis and confirmation of representative organic compounds with emphasis on basic techniques. **Prerequisite** CHM 221 (Organic Chemistry I)
CIS 113  Spreadsheet Software Applications  3 hours
This course provides students with hands-on experience using spreadsheet software. Students will develop skills common to most spreadsheet software by developing a wide variety of spreadsheets. Emphasis is on planning, developing, and editing functions associated with spreadsheets.

CIS 146  Microcomputer Applications  3 hours
This course is an introduction to the most common microcomputer software applications. These software packages should include typical features of applications, such as word processing, spreadsheets, database management, and presentation software. Upon completion, students will be able to utilize selected features of these packages.
Prerequisite: DPT 100 OR Compass Placement Score at ENG 093 and RDG 085

CIS 147  Advanced Micro Applications  3 hours
This course is a continuation of CIS 146 in which students utilize the advanced features of topics in CIS 146 and introduce additional topics of office suite software. Advanced features of word processing, spreadsheets, database, and presentation packages among other topics are generally incorporated into the course and are to be applied to situations found in society and business. Upon completion, the student should be able to apply the advanced features of selected software appropriately to typical problems found in society and business. Prerequisite: CIS 146

CIS 165A  Network Lab  1 hour
This lab is designed to allow instructors to provide additional implementation of networking concepts as needed.
Prerequisite: Permission of instructor  Corequisite: CIS 268 Software Support

CIS 165B  Network Lab  1 hour
This lab is designed to allow instructors to provide additional implementation of networking concepts as needed.
Prerequisite: Permission of instructor  Corequisite: CIS 269 Hardware Support

CIS 165D  Network Lab  1 hour
This lab is designed to allow instructors to provide additional implementation of networking concepts as needed.
Prerequisite: Permission of instructor  Corequisite: CIS 270 CISCO I

CIS 165E  Network Lab  1 hour
This lab is designed to allow instructors to provide additional implementation of networking concepts as needed.
Prerequisite: Permission of instructor  Corequisite: CIS 272 CISCO III

CIS 171  Linux I  3 hours
This course presents fundamental applications in Linux. Included in this course are skills development for OS installation and setup, recompile techniques, system configuration settings, file/folder structures and types, run levels, basic network applications, and scripting. Additionally, the course presents security features from an administrative and user consideration. Prerequisite: Instructor Approval

CIS 199  Network Communications  3 hours
This course is designed to introduce students to basic concepts of computer networks. Emphasis is placed on gaining an understanding of the terminology and technology involved in implementing selected networked systems. The course will cover the OSI and TCP/IP network models, communications protocols, transmission media, networking hardware and software, LANs (Local Area Networks and WANs (Wide Area Networks), Client/Server technology, the Internet, Intranets, and network troubleshooting. Upon completion of this course, students will be able to design and implement a computer network. Students will create network shares, user accounts, and install print devices while ensuring basic network security. They will receive hands-on experience building a mock network in the classroom.
Prerequisite: CIS 146  Corequisite: CIS 165F

CIS 201  Introduction to Computer Programming Concepts  3 hours
This course presents fundamental programming concepts. Included in this course are problem solving and algorithms, various design tools, programming structures, variable data types and definitions, modularization, and selected programming languages. Techniques are introduced to enable students to develop programs. Prerequisite: Intermediate algebra

CIS 203  Introduction to the Information Highway  3 hours
This course introduces students to basic principles of the information highway. Students are exposed to different network information tools such as electronic mail, network news, browsers, commercial information services, appropriate editors, and Web authoring software. Prerequisite: CIS 146 or equivalent experience
CIS 207  Web Development          3 hours
This course provides students with opportunities to learn Hypertext Markup Language, cascading style sheets, and Java Script. At the conclusion of this course, students will be able to use specified markup languages to develop basic Web pages.  Prerequisite  CIS 146

CIS 208  Web Authoring Software       3 hours
Students utilize various Web authoring tools to construct and edit Web sites for a variety of applications. Upon completion students will be able to use these tools to develop or enhance Web sites.  Prerequisite  CIS 203 and CIS 207

CIS 209  Advanced Web Development     3 hours
This is an advanced Web design course emphasizing the use of scripting languages to develop interactive Web sites. Upon completion students will be able to create data driven Web sites.  Prerequisites  CIS 203 and CIS 207

CIS 211  Principles of Information Assurance  3 hours
This course is designed to introduce students to information security principles. Topics covered in this course will include the need for security, risk management, security technology, cryptography, and physical security. Security policies and legal/ethical issues will also be covered.  Prerequisite  CIS 146

CIS 212  Visual BASIC Programming      3 hours
This course emphasizes BASIC programming using a graphical user interface. The course will emphasize graphical user interfaces with additional topics on such topics as advanced file handling techniques, simulation, and other selected areas. Upon completion, the student will be able to demonstrate knowledge of the topics through the completion of programming projects and appropriate tests.  Prerequisite Intermediate Algebra

CIS 213  Advanced Visual BASIC Programming    3 hours
This course is a continuation of CIS 212 using Visual BASIC as the language to cover advanced topics. Upon completion, the student will be able to demonstrate knowledge of the topics through the completion of programming projects and appropriate tests.  Prerequisite  CIS 212

CIS 222  Database Management Systems    3 hours
This course will discuss database system architectures, concentrating on Structured Query Language (SQL). It will teach students how to design, normalize and use databases with SQL, and to link those to the Web.  Prerequisite  Permission of Instructor

CIS 249  Microcomputer Operating Systems 3 hours
This course provides an introduction to microcomputer operating systems. Topics include a description of the operating system, system commands, and effective and efficient use of the microcomputer with the aid of its system programs. Upon completion, students should understand the function and role of the operating system, its operational characteristics, its configuration, how to execute programs, and efficient disk and file management.  Prerequisite  CIS 146

CIS 251  C++ Programming                3 hours
This course is an introduction to the C++ programming language including object oriented programming. Topics include: problem solving and design; control structures; objects and events; user interface construction; and document and program testing.  Prerequisite Intermediate algebra and CIS 201

CIS 268  Software Support              3 hours
This course provides students with hands-on practical experience in installing computer software, operating systems, and trouble-shooting. The class will help to prepare participants for the A+ Certification sponsored by CompTIA.  Prerequisite  Permission of instructor  Corequisite  CIS 165A

CIS 269  Hardware Support               3 hours
This course provides students with hands-on practical experience in installation and troubleshooting computer hardware. The class will help to prepare participants for the A+ Certification sponsored by CompTIA.  Prerequisite  Permission of instructor  Corequisite  CIS 165B

CIS 270  Cisco CCNA I                   3 hours
This course is the first part of a four part curriculum leading to Cisco Certified Network Associate (CCNA) certification. The content of this course is based on current requirements from the CISCO Networking Academy certification standards.  Prerequisite  Permission of instructor  Corequisite  CIS 165D

CIS 271  Cisco CCNA II                  3 hours
This course is the second part of a four part curriculum leading to Cisco Certified Network Associate (CCNA) certification. The content of this course is based on current requirements from the Cisco Networking Academy
certification standards. Prerequisite CIS 270

CIS 272  Cisco CCNA III  3 hours
This course is the third part of a four part curriculum leading to Cisco Certified Network Associate (CCNA) certification. The content of this course is based on current requirements from the Cisco Networking Academy certification standards. Prerequisite CIS 271 Corequisite CIS 165E

CIS 273  Cisco CCNA IV  3 hours
This course is the fourth part of a four part curriculum leading to Cisco Certified Network Associate (CCNA) certification. The content of this course is based on current requirements from the Cisco Networking Academy certification standards. Prerequisite CIS 272

CIS 274A  Advanced Networking Lab  1 hour
This lab is designed to allow instructors to provide additional application of networking concepts as needed. Prerequisite As required by College Corequisite CIS 276

CIS 274B  Advanced Networking Lab  1 hour
This lab is designed to allow instructors to provide additional application of networking concepts as needed. Prerequisite As required by College

CIS 274D  Advanced Networking Lab  1 hour
This lab is designed to allow instructors to provide additional application of networking concepts as needed. Prerequisite As required by College.

CIS 274E  Advanced Networking Lab  1 hour
This lab is designed to allow instructors to provide additional application of networking concepts as needed. Prerequisite As required by College.

CIS 276  Server Administration  3 hours
This course introduces network operating system administration. Topics included in this course are network operating system software installation, administration, monitoring, and maintenance; user, group, and computer account management; shared resource management; and server hardware management. Students gain hands-on experience in managing and maintaining a network operating system environment. Prerequisite Permission of instructor Corequisite CIS 274A

CIS 280  Network Security  3 hours
This course provides a study of threats to network security and methods of securing a computer network from such threats. Topics included in this course are security risks, intrusion detection, and methods of securing authentication, network access, remote access, Web access, and wired and wireless network communications. Upon completion students will be able to identify security risks and describe appropriate counter measures. Prerequisite Permission of instructor Corequisite CIS 274B

CIS 285  Object-Oriented Programming  3 hours
This course is an advanced object-oriented programming course that covers advanced program development techniques and concepts in the context of an object-oriented language, such as C++ or Java. Subject matter includes object-oriented analysis and design, encapsulation, inheritance, polymorphism (operator and function overloading), information hiding, abstract data types, reuse, dynamic memory allocation, and file manipulation. Upon completion, the student should be able to develop a hierarchical class structure necessary to the implementation of an object-oriented software.

CIS 286  Computerized Management Info Systems  3 hours
The nature of computerized management information systems, problems created by the computer relative to personnel, components of computer systems, programming, and application of computers to business problems. Prerequisite CIS 146

CIS 289  Wireless Networking  3 hours
The purpose of this course is to allow students to explore current issues related to wireless technology. Students will be able to develop and maintain wireless networks using advancements in current technology.

CIS 296  Special Topics  1-3 hours
This course allows study of currently relevant computer science topics, with the course being able to be repeated for credit for each different topic covered. Course content will be determined by the instructor and will vary according to the topic being covered. Upon completion, the student will be able to demonstrate specified skills. Prerequisite Permission of Instructor
CIS 299 Directed Studies in Computer Science 3 hours
This course allows independent study under the direction of an instructor. Topics to be included in the course material will be approved by the instructor prior to or at the beginning of the class. Upon completion, the student will be able to demonstrate knowledge of the topics specified by the instructor. Prerequisite Permission of the instructor

CIT 211 Teaching and Curriculum Development 3 hours: 3T
This course focuses on principles of teaching, teaching maturity, professional conduct, and the development of cosmetology curriculum. Emphasis is placed on teacher roles, teaching styles, teacher challenges, aspects of curriculum development, and designing individual courses. Upon completion, the student should be able to describe the role of teacher, identify means of motivating students, develop a course outline, and develop lesson plans.

CIT 212 Teacher Mentorship 3 hours: 9L
This course is designed to provide the practice through working with a cosmetology instructor in a mentoring relationship. Emphasis is placed on communication, student assessment, and assisting students in the lab. Upon completion, the student should be able to communicate with students, develop a course of study, and apply appropriate teaching methods.

CIT 213 Cosmetology Instructor Co-Op 3 hours: 6L
The course provides students with additional opportunities to observe instructors and develop teaching materials and skills.

CIT 214 Lesson Plan Methods and Development 3 hours: 1T, 6L
During this course students have the opportunity to further apply knowledge of lesson planning and lesson delivery by using lesson plans they have developed from previous courses or this course. Emphasis is placed on the use of lesson plans in various classroom and laboratory settings. Upon completion, students will be able to teach a variety of cosmetology classes using various techniques. This course serves as a suitable substitute for CIT 221. If used as a substitute, this course becomes a core course.

CIT 221 Lesson Plan Implementation 3 hours: 9L
This course is designed to provide practice in preparing and using lesson plans. Emphasis is placed on organizing, writing, and presenting lesson plans using the four step teaching method. Upon completion, students should be able to prepare and present a lesson using the four step teaching method.

CIT 222 Audio Visual Materials and Methods 3 hours: 3T
This course focuses on visual and audio aids and materials. Emphasis is placed on the use and characteristics of instructional aids. Upon completion, the student should be able to prepare teaching aids and determine their most effective use.

CIT 223 Audio Visual Materials and Methods Applications 3 hours: 9L
This course is designed to provide practice in preparing and using visual and audio aids and materials. Emphasis is placed on the preparation and the use of different categories of instructional aids. Upon completion, the student should be able to prepare and effectively present different types of aids for use with a four step lesson plan.

CLT 100 Phlebotomy 2 hours: 1T, 1CL
This course covers the basic techniques used in the collection of blood specimens. Presentation includes equipment and additives, basic anatomy, and techniques for safe and effective venipuncture. Upon completion, students should be able to perform venipuncture correctly. Prerequisite Admission to program and permission of instructor

CLT 111 CLT Urinalysis and Body Fluids 4 hours: 2T, 2L
This course focuses on the theory and techniques in the examination of urine and other body fluids. The student is introduced to the physical and chemical properties of these fluids as well as microscopic examination of sediment and the identification of cells and crystals. Upon completion, students should be able to perform basic urinalysis and correlate laboratory results to renal disorders and other disease states. Prerequisite Admission to program and permission of instructor

CLT 111L CLT Urinalysis and Body Fluids Lab for CLT 111

CLT 121 CLT Hematology 5 hours: 3T, 2L
In this course the theory and techniques of hematology are covered. The student is presented with blood components, normal and abnormal cell morphology, hemostasis, and selected automated methods. Upon completion, students should be able to perform various procedures, including preparation and examination of hemotologic slides, and to relate results to specific disorders. Prerequisite Admission to program and permission of instructor
CLT 121L CLT Hematology
Lab for CLT 121

CLT 131 Laboratory Techniques 4 hours: 3T, 1L
This course covers the basic principles and techniques used in the clinical laboratory. Emphasis is placed on terminology, basic microscopy, safety, and computations. Upon completion, the students should be able to perform various basic laboratory analyses and to utilize basic theories of laboratory principles.
Prerequisite Admission to program and permission of instructor

CLT 131L Laboratory Techniques
Lab for CLT 131

CLT 141 CLT Microbiology 5 hours: 3T, 2L
The student is presented with the theories, techniques, and methods used in basic bacteriology. Focus is on bacterial isolation, identification, and susceptibility testing. Upon completion, students should be able to select media, isolate and identify microorganisms, and discuss modern concepts of epidemiology.
Prerequisite Admission to program and permission of instructor

CLT 141L CLT Microbiology I
Lab for CLT Microbiology I

CLT 142 CLT Microbiology II 4 hours: 3T, 1L
The student is presented with the theories, techniques, and methods used in basic parasitology, mycology, and virology. Emphasis is placed on special bacteria, identification, life cycles, culture growth, and pathological states of infection and infestation. Upon completion, students should be able to identify certain parasites, to demonstrate various staining and culture procedures, and to discuss the correlation of certain microorganisms to pathological conditions. Prerequisite Admission to program and permission of instructor

CLT 142L CLT Microbiology II
Lab for CLT Microbiology II

CLT 151 CLT Clinical Chemistry 5 hours: 3T, 2L
This course emphasizes theories and techniques in basic and advanced clinical chemistry. Coverage includes various methods of performing biochemical analyses on clinical specimens. Upon completion, students should be able to apply the principles of clinical chemistry, to evaluate quality control, and to associate abnormal test results to clinical significance. Prerequisite Admission to program and permission of instructor

CLT 151L CLT Clinical Chemistry
Lab for CLT Clinical Chemistry

CLT 161 Integrated Laboratory Simulation 2 hours, 2L
This course provides an opportunity for the student to perform clinical laboratory procedures from all phases of laboratory testing as a review of previous laboratory courses. Emphasis is placed on organization of tasks, timing, accuracy, and simulation of routine operations in a clinical laboratory. Upon completion, students should be able to organize tasks and to perform various basic laboratory analyses with accuracy and precision.
Prerequisite Admission to program and permission of instructor

CLT 181 CLT Immunology 2 hours: 1T, 1L
Theory and techniques in immunology are presented to the student. Emphasis is placed on the basic principles of the immune system, serologic testing, the production of specific antibodies and their use in the identification of infectious organisms. Upon completion, students should be able to relate basic principles of immunology, to describe techniques for analytical methods utilizing immunological concepts, and to correlate results of analyses to certain disease states. Prerequisite Admission to program and permission of instructor

CLT 181L CLT Immunology
Lab for CLT Immunology

CLT 191 CLT Immunohematology 5 hours: 3T, 2L
Theory and techniques in immunohematology are presented to the student. The course covers antigen and antibody reactions including blood typing, antibody detection and identification, and compatibility testing. Upon completion, students should be able to apply theories and principles of immunohematology to procedures for transfusion and donor service, and to correlate blood-banking practices to certain disease states.
Prerequisite Admission to program and permission of instructor

CLT 191L CLT Immunohematology
Lab for CLT Immunohematology
### Special Topics in Clinical Lab Technology

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisite</th>
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</thead>
<tbody>
<tr>
<td>CLT 286</td>
<td>Special Topics in Clinical Lab Technology</td>
<td>1 hour; 1T</td>
<td>Admission to program and permission of instructor</td>
</tr>
</tbody>
</table>

This is a seminar course in which students work independently on a project related to Clinical Lab Technology.

### Clinical Seminar

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<th>Code</th>
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<th>Prerequisite</th>
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<tbody>
<tr>
<td>CLT 293</td>
<td>Clinical Seminar</td>
<td>2 hours: 2T</td>
<td>Admission to program and permission of instructor</td>
</tr>
</tbody>
</table>

This course is a cumulative review of clinical laboratory science theory. The seminar consists of an on-campus summation of previous classes emphasizing recall, application of theory, correlation, and evaluation of all areas of clinical laboratory science. Upon completion, students should be able to apply theory of analytical methods; to recognize normal, abnormal, and erroneous results; and to relate laboratory results to pathological conditions.

### Clinical Laboratory Practicum I

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<th>Code</th>
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<th>Credits</th>
<th>Prerequisite</th>
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</thead>
<tbody>
<tr>
<td>CLT 294</td>
<td>Clinical Laboratory Practicum I</td>
<td>3 hours: 3CL</td>
<td>Admission to program and permission of instructor</td>
</tr>
</tbody>
</table>

This supervised practicum is within the clinical setting and provides laboratory practice in hematology and urinalysis. Emphasis is placed on clinical skills and performance in areas such as specimen preparation and examination, instrumentation, reporting of results, and management of data and quality control. Upon completion, students should be able to process specimens, perform analysis utilizing various methods including instrumentation, report results, manage data and quality control using information systems.

### Clinical Laboratory Practicum II

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<th>Code</th>
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<th>Prerequisite</th>
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</thead>
<tbody>
<tr>
<td>CLT 295</td>
<td>Clinical Laboratory Practicum II</td>
<td>3 hours: 3CL</td>
<td>Admission to program and permission of instructor</td>
</tr>
</tbody>
</table>

This supervised practicum is within the clinical setting and provides laboratory practice in microbiology. Emphasis is placed on clinical skills and performance in areas such as recovery, isolation, culturing, and identifying microorganisms. Upon completion, students should be able to isolate, culture, and analyze microorganisms utilizing various methods; to report results; to manage data and quality control using information systems.

### Clinical Laboratory Practicum III

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<th>Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisite</th>
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</thead>
<tbody>
<tr>
<td>CLT 296</td>
<td>Clinical Laboratory Practicum III</td>
<td>3 hours: 3CL</td>
<td>Admission to program and permission of instructor</td>
</tr>
</tbody>
</table>

This supervised practicum is within the clinical setting and provides laboratory practice in serology and immunohematology. Emphasis is placed on clinical skills and performance in areas such as detection and identification of antibodies, the typing of blood, and compatibility testing of blood and blood components. Upon completion, students should be able to perform the screening for and the identification of antibodies, to perform compatibility testing, and to record and to manage data and quality control using information systems.

### Clinical Laboratory Practicum IV

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<th>Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLT 297</td>
<td>Clinical Laboratory Practicum IV</td>
<td>3 hours: 3CL</td>
<td>Admission to program and permission of instructor</td>
</tr>
</tbody>
</table>

This supervised practicum is within the clinical setting and provides laboratory practice in clinical chemistry. Emphasis is placed on clinical skills and performance in areas such as computerized instrumentation and the ability to recognize technical problems. Upon completion, students should be able to perform biochemical analyses by various methods (including testing utilizing computer-oriented instrumentation); to report test results, and to manage patient data and quality control statistics using information systems.

### Manual Programming

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisite</th>
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</thead>
<tbody>
<tr>
<td>CNC 103</td>
<td>Manual Programming</td>
<td>6 hours: 2T, 8L</td>
<td>As required by program</td>
</tr>
</tbody>
</table>

This course will emphasize calculations for CNC machine tools. Topics include G & M codes, radius programming and cutter compensations. Students will learn to write a variety of CNC programs which can be used on the job as reference programs.

### CNC Milling Operations

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisite</th>
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</thead>
<tbody>
<tr>
<td>CNC 104</td>
<td>CNC Milling Operations</td>
<td>6 hours: 3T, 6L</td>
<td>As required by program</td>
</tr>
</tbody>
</table>

This is a course in programming and operations of the CNC Milling Machines. Applications include maintenance, safety, and production of machine parts through programming, set up and operation. Students will learn to produce finished parts on the CNC milling machines.

### Quality Control and Assurance

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisite</th>
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</thead>
<tbody>
<tr>
<td>CNC 215</td>
<td>Quality Control and Assurance</td>
<td>3 hours: 2T, 2L</td>
<td>As required by program</td>
</tr>
</tbody>
</table>

This is an advanced course in parts inspection using Geometric Dimensioning and Tolerancing, and familiarization of the Coordinate Measuring Machine. Topics include part set-up, tolerance applications, maximum material and least material conditions, perpendicularity and point of inspection. Upon completion, students should be able to inspect machined parts demonstrating an understanding of G.D.T. and C.M.M.

### Basic Tool and Die

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<th>Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>CNC 232</td>
<td>Basic Tool and Die</td>
<td>4 hours: 2T, 4L</td>
<td>As required by program</td>
</tr>
</tbody>
</table>

This course introduces the application and use of jigs, fixtures and stamping dies. Emphasis is placed on design and manufacture of simple jigs, fixtures and stamping dies. Upon completion, students should be able to design and build simple jigs, fixtures, and stamping dies components.

### Vocational / Technical English

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<th>Code</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisite</th>
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</thead>
<tbody>
<tr>
<td>COM 100</td>
<td>Vocational / Technical English</td>
<td>3 hours</td>
<td>MTT 102</td>
</tr>
</tbody>
</table>

This course, which is designed specifically for students in technical programs, teaches the basic communication skills...
of listening, speaking, reading, writing, and thinking. The emphasis is on grammar, usage, punctuation, and mechanics, as well as on the total writing process, so that the students learn to write effective sentences, paragraphs, memos, letters, resumes, abstracts, and reports. This course does not satisfy the general education component of a degree.

COS 111  Introduction to Cosmetology  3 hours: 3T
This course is designed to provide students with an overview of the history and development of cosmetology and standards of professional behavior. Students receive basic information regarding principles and practices of infection control, diseases, and disorders. Additionally, students receive introductory information regarding hair design. The information presented in this course is enhanced by hands-on application performed in a controlled lab environment. Upon completion, students should be able to apply safety rules and regulations and write procedures for skills identified in this course. Prerequisite As required by College Corequisite COS 112 CORE

COS 112  Introduction to Cosmetology Lab  3 hours: 9L
In this course, students are provided the practical experience for sanitation, shampooing, hair shaping, and hairstyling. Emphasis is placed on disinfection, shampooing, hair shaping, and hairstyling for various types of hair for men and women. This course offers opportunities for students to put into practice concepts learned in the theory component from COS 111. Prerequisite As required by College Corequisite COS 111 CORE

COS 113  Theory of Chemical Services  3 hours: 3T
During this course students learn concepts of theory of chemical services related to the chemical hair texturing. Specific topics include basics of chemistry and electricity, properties of the hair and scalp, and chemical texture services. Safety considerations are emphasized throughout this course. This course is foundational for other courses providing more detailed instruction on these topics. Prerequisite As required by College CORE

COS 114  Chemical Services Lab  3 hours: 6L
During this course students perform various chemical texturing activities. Emphasis is placed on cosmetologist and client safety, chemical use and handling, hair and scalp analysis, and client consulting. Prerequisite As required by College CORE

COS 115  Hair Coloring Theory  3 hours: 3T
In this course, students learn the techniques of hair coloring and hair lightening. Emphasis is placed on color application, laws, levels and classifications of color and problem solving. Upon completion, the student will be able to identify all classifications of hair coloring and the effects on the hair. Prerequisite As required by College Corequisite COS 116 CORE

COS 116  Hair Coloring Lab  3 hours: 6L
In this course, students apply hair coloring and hair lightening techniques. Topics include consultation, hair analysis, skin test and procedures and applications of all classifications of hair coloring and lightening. Upon completion, the student will be able to perform procedures for hair coloring and hair lightening. Prerequisite As required by College Corequisite COS 115 CORE

COS 117  Basic Spa Techniques  3 hours: 3T
This course is the study of cosmetic products, massage, skin care, and hair removal, as well as identifying the structure and function of various systems of the body. Topics include massage, skin analysis, skin structure, disease and disorder, light therapy, facials, facial cosmetics, anatomy, hair removal, and nail care. Upon completion, the student will be able to state procedures for analysis, light therapy, facials, hair removal, and identify the structures, functions, disorders of the skin, and nail care. Prerequisite As required by College Corequisite COS 118 CORE

COS 118  Basic Spa Techniques Lab  3 hours: 9L
This course provides practical applications related to the care of the skin and related structure. Emphasis is placed on facial treatments, product application, skin analysis, massage techniques, facial make-up, hair removal, and nail care. Upon completion, the student should be able to prepare clients, assemble sanitized materials, follow procedures for product application, recognize skin disorders, demonstrate facial massage movement, cosmetic application, and hair removal using safety and sanitary precautions, and nail care. Prerequisite As required by College Corequisite COS 117 CORE

COS 119  Business of Cosmetology  3 hours: 3L
This course is designed to develop job-seeking and entry-level management skills for the beauty industry. Topics include job seeking, leader and entrepreneurship development, business principles, business laws, insurance, marketing, and technology issues in the workplace. Upon completion, the student should be able to list job-seeking and management skills and the technology that is available for use in the salon. Prerequisite As required by College
COS 123  Cosmetology Salon Practices  
This course is designed to allow students to practice all phases of cosmetology in a salon setting. Emphasis is placed on professionalism, receptionist duties, hair styling, hair shaping, chemical, and nail and skin services for clients. Upon completion, the student should be able to demonstrate professionalism and the procedures of cosmetology in a salon setting.  
Prerequisite As required by College

COS 125  Career and Personal Development  
This course provides the study and practice of personal development and career building. Emphasis is placed on building and retaining clientele, communication skills, customer service, continuing education, and goal setting. Upon completion, the student should be able to communicate effectively and practice methods for building and retaining clientele.  
Prerequisite As required by College

COS 133  Salon Management Technology  
This course is designed to develop entry-level management skills for the beauty industry. Topics include job-seeking, leader and entrepreneurship development, business principles, business laws, insurance, marketing, and technology issues in the workplace. Upon completion, the student should be able to list job-seeking and management skills and the technology that is available for use in the salon.  
Prerequisite As required by College

COS 134  Advanced Esthetics  
This course includes an advanced study of anatomy and physiology relating to skin care, cosmetic chemistry, histology of the skin, and massage and facial treatments. Upon completion, the student should be able to discuss the functions of the skin, effects of chemicals on skin, different types of massage and benefits, and key elements of the basic facial treatment.  
Prerequisite As required by College

COS 135  Advanced Esthetics Applications  
This course provides advanced practical applications related to skin care. Principal topics include massage techniques, various facial treatments, proper product application through skin analysis, and introduction to ingredients and treatments used by the esthetician. Upon completion, the student should be able to perform various massage techniques, prescribe proper type of facial treatment and product, and demonstrate facials using any of the eight functions of the facial machine.  
Prerequisite As required by College

COS 141  Applied Chemistry for Cosmetology  
This course focuses on chemistry relevant to professional hair and skin care products, hair and its related structures, permanent waving, chemical hair relaxing, and hair coloring. Topics include knowledge of basic chemistry, pH scale measurements, water, shampooing and cosmetic chemistry, physical and chemical changes in hair structure. Upon completion, the student should be able to define chemistry, types of matter, and describe chemical and cosmetic reactions as related to the hair and skin structure.  
Prerequisite As required by College

COS 142  Applied Chemistry for Cosmetology Lab  
This course provides practical applications of the knowledge and skills learned in reference to chemical reactions, as well as the chemical application to the hair and skin. Emphasis is placed on knowledge of basic chemistry, pH scale, cosmetic chemistry, and physical and chemical changes in the hair and skin structure. Upon completion, the student should be able to determine the proper chemical product for each prescribed service.  
Prerequisite As required by College

COS 143  Specialty Hair Preparation Techniques  
This course focuses on the theory and practice of hair designing. Topics include creating styles using basic and advanced techniques of back combing, up sweeps, and braiding. Upon completion, the student should be able to demonstrate the techniques and procedures for hair designing.  
Prerequisite As required by College

COS 144  Hair Shaping and Design  
In this course, students learn the art and techniques of hair shaping. Topics include hair sectioning, correct use of hair shaping implements, and elevations used to create design lines. Upon completion, the student should be able to demonstrate the techniques and procedures for creating hair designs.  
Prerequisite As required by College

COS 145  Hair Shaping Lab  
This covers the study of the art and techniques of hair shaping. Topics include hair sectioning, correct use of hair shaping implements, and elevations used to create design lines. Upon completion, the student should be able to demonstrate the techniques and procedures for creating hair designs using safety and sanitary precautions.  
Prerequisite As required by College

COS 146  Hair Additions  
This course focuses on the practice of adding artificial hair. Topics include hair extensions, weaving, and braiding. Upon completion, the student should be able to demonstrate the techniques and procedures for attaching human and synthetic hair.  
Prerequisite As required by College
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<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>COS 150</td>
<td>Manicuring</td>
<td>3</td>
<td>As required</td>
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<td>This course focuses on the</td>
<td>hours:</td>
<td>by College</td>
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<tr>
<td></td>
<td>theory and practice of nail</td>
<td>1T, 6L</td>
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<td>care. Topics include</td>
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<td>sanitation, nail</td>
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<td>structure, nail disorders</td>
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<td>and diseases, manicuring,</td>
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<td>pedicuring, nail wrapping,</td>
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<td>COS 151</td>
<td>Nail Care</td>
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<td>aspects of nail care.</td>
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<td>Nail Care Applications</td>
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<td>procedures. Prerequisite</td>
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<td>COS 153</td>
<td>Nail Art</td>
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<td>advanced nail techniques.</td>
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<td>, fiberglass nails, and nail</td>
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<td>COS 154</td>
<td>Nail Art Applications</td>
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<td>techniques. Topics include</td>
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<td>acrylic, gel, fiberglass</td>
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<td>nail sculpturing and nail</td>
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<td>COS 158</td>
<td>Employability Skills</td>
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<td>resumes, interviews, client</td>
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<td>COS 161</td>
<td>Special Topics in Cosmetology</td>
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<td>Special Topics in Cosmetology</td>
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<td>COS 163</td>
<td>Facial Treatments</td>
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<td>phases of facial treatments</td>
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<td>Topics include treatments</td>
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<td>for oily, dry, and special</td>
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<td>skin applications. Upon</td>
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<td>be able to apply facial</td>
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<td>treatments according to skin</td>
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<td>type. Prerequisite</td>
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<td>COS 164</td>
<td>Facial Machine</td>
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<td>and facial machine with</td>
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<td>hydraulic chair. Topics</td>
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<td>COS 165</td>
<td>Related Subjects Estheticians</td>
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<td>COS 167</td>
<td>State Board Review</td>
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COS 168 Bacteriology and Sanitation 3 hours: 1T, 6L
In this skin care course, emphasis is placed on the decontamination, infection control, and safety practiced in the esthetics facility. Topics covered include demonstration of sanitation, sterilization methods, and bacterial prevention. Upon completion, the student will be able to properly sanitize facial implements and identify non-reusable items.
Prerequisite As required by College

COS 169 Skin Functions 3 hours: 6L
This course introduces skin functions and disorders. Topics include practical application for skin disorder treatments, dermabrasion, and skin refining. Upon completion of this course, students will be able to demonstrate procedures for acne, facials and masks for deeper layers and wrinkles. Prerequisite As required by College

COS 181 Special Topics 3 hours: 3T
This course is designed to allow students to explore issues relevant to the profession of cosmetology. Upon completion, students should have developed new skills in areas of specialization for the cosmetology profession.
Prerequisite As required by College

COS 182 Special Topics 3 hours: 6L
This course is designed to allow students to explore issues relevant to the profession of cosmetology. Upon completion, students should have developed new skills in areas of specialization for the cosmetology profession.
Prerequisite As required by College

COS 190 Co-Op 3 hours: 6L
This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. Prerequisite As required by College

COS 191 Co-Op 3 hours: 9L
This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. Prerequisite As required by College

CRJ 100 Introduction to Criminal Justice 3 hours
This course surveys the entire criminal justice process from law enforcement to the administration of justice through corrections. It discusses the history and philosophy of the system and introduces various career opportunities.

CRJ 110 Introduction to Law Enforcement 3 hours
This course examines the history and philosophy of law enforcement, as well as the organization and jurisdiction of local, state, and federal agencies. It includes the duties and functions of law enforcement officers.

CRJ 130 Introduction to Law and Judicial Process 3 hours
This course provides an introduction to the basic elements of substantive and procedural law and the stages in the judicial process. It includes an overview of state and federal court structure.

CRJ 140 Criminal Law and Procedure 3 hours
This course examines both substantive and procedural law. The legal elements of various crimes are discussed, with emphasis placed on the contents of the Alabama Code. Areas of criminal procedure essential to the criminal justice profession are also covered.

CRJ 146 Criminal Evidence 3 hours
This course considers the origins of the law of evidence and current rules of evidence. Types of evidence, their definitions, and uses are covered, as well as the functions of the court regarding evidence.

CRJ 150 Introduction to Corrections 3 hours
This course provides an introduction to the philosophical and historical foundations of corrections in America. Incarceration and some of its alternatives are considered.

CRJ 160 Introduction to Security 3 hours
This course surveys the operation, organization, and problems in providing safety and security to business enterprises. Private, retail, and industrial security is covered.
CRJ 208 Introduction to Criminology 3 hours
This course delves into the nature and extent of crime in the United States, as well as criminal delinquent behavior and theories of causation. The study includes criminal personalities, principles of prevention, control, and treatment.

CRJ 209 Juvenile Delinquency 3 hours
This course examines the causes of delinquency. It also reviews programs of prevention and control of juvenile delinquency, as well as the role of the courts.

CRJ 216 Police Organization and Administration 3 hours
This course examines the principles of organization and administration of law enforcement agencies. Theories of management, budgeting, and various personnel issues are covered.

CRJ 217 Criminal and Deviant Behavior 3 hours
This course is an analysis of criminal and deviant behavior with emphasis on sociological and psychological theories of crime causation. Prerequisite Advisor approval CRJ / SOC 208 or SOC 200

CRJ 220 Criminal Investigation 3 hours
This course explores the theory and scope of criminal investigation. The duties and responsibilities of the investigator are included. The techniques and strategies used in investigation are emphasized.

CRJ 280A Internship in Criminal Justice 3 hours each: 15i each
This course involves practical experience with a criminal justice agency under faculty supervision. Permission of the instructor is required. This course may be repeated with the approval of the department head.

CRJ 280B Internship in Criminal Justice 3 hours each: 15i each
This course involves practical experience with a criminal justice agency under faculty supervision. Permission of the instructor is required. This course may be repeated with the approval of the department head.

CRJ 280D Internship in Criminal Justice 3 hours each: 15i each
This course involves practical experience with a criminal justice agency under faculty supervision. Permission of the instructor is required. This course may be repeated with the approval of the department head.

CRJ 290 Selected Topics: Seminar in Criminal Justice 3 hours
This course involves reading, research, writing, and discussion of selected subjects relating to criminal justice. Various contemporary problems in criminal justice are analyzed. This course may be repeated with approval of the department head.

DDT 104 Basic Computer Aided Drafting and Design 3 hours: 1T, 4L
This course provides an introduction to basic Computer Aided Drafting and Design (CADD) functions and techniques, using "hands-on" applications. Topics include terminology, hardware, basic CADD and operating system functions, file manipulation, and basic CADD software applications in producing softcopy and hardcopy. Prerequisite As required by program CORE

DDT 111 Fundamentals of Drafting and Design Technology 3 hours: 1T, 4L
This course serves as an introduction to the field of drafting and design and provides a foundation for the entire curriculum. Topics include safety, lettering, tools and equipment, geometric constructions, and orthographic sketching and drawing. Prerequisite As required by program CORE

DDT 114 Industrial Blueprint Reading 3 hours: 3T
This course provides students with basic blueprint reading for various industrial applications. Topics include orthographic projection, dimensions and tolerances, symbols, industrial application, scales, and notes. This course may be tailored to meet a specific industry need. Prerequisite As required by program

DDT 115 Blueprint Reading for Machinists 3 hours: 3T
This course provides students with terms and definitions, theory of orthographic projection, and other information required to interpret drawings used in the machine trades. Topics include multi-view projection, pictorial drawings, dimensions and notes, lines and symbols, and sketching. Upon completion, students should be able to interpret blueprint drawings used in the machine trades. Prerequisite As required by program

DDT 116 Blueprint Reading for Construction 3 hours: 3T
This course provides students with terms and definitions, theory of orthographic projection, and other information required to interpret drawings used in the construction trades. Topics include multi-view projection, dimensions and notes, lines and symbols, sketching, foundations plans, site plans, floor plans, elevations, sections, details, schedules, electrical plans, and specifications. Upon completion, students should be able to interpret blueprint drawings used in the construction trades. Prerequisite As required by program
DDT 117 Manufacturing Processes 3 hours: 3T
This course in materials and processes includes the principles and methodology of material selection, application, and manufacturing processes. Emphasis is directed to solids to include material characteristics, castings, forging, and die assemblies. Upon completion, students should be able to discuss and understand the significance of materials' properties, structure, basic manufacturing processes, and to express and interpret material specifications.
Prerequisite As required by program

DDT 124 Basic Technical Drawing 3 hours: 1T, 4L
This course covers sections, auxiliary views, and basic space geometry. Emphasis will be placed on the theory as well as the mechanics of applying sections, basic dimensioning, auxiliary views, and basic space geometry.
Prerequisite As required by program

DDT 127 Intermediate Computer Aided Drafting and Design 3 hours: 1T, 4L
This course covers intermediate-level concepts and applications of CADD. Emphasis will be placed on intermediate-level features, commands, and applications of CADD software.
Prerequisite As required by program

DDT 128 Intermediate Technical Drawing 3 hours: 1T, 4L
This course is designed to develop a strong foundation in common drafting and design practices and procedures. Topics include multi-view working drawings with advanced dimensioning, basic tolerancing, and pictorial drawings.

DDT 131 Machine Drafting Basics 3 hours: 1T, 4L
This course in machine drafting and design provides instruction in the largest specialty area of drafting in the United States, in terms of scope and job opportunities. Emphasis will be placed on the applications of multi-view drawings, including drawing organization and content, title blocks and parts lists, assembly drawings, detail drawings, dimensioning and application of engineering controls in producing industrial-type working drawings. Upon completion, students should be able to organize, lay out, and produce industrial-type working drawings, including the application of title blocks, parts lists, assemblies, details, dimensions, and engineering controls.
Prerequisite As required by College

DDT 132 Architectural Drafting 3 hours: 1T, 4L
This course in architectural design and drafting introduces basic terminology, concepts and principles of architectural design and drawing. Topics include design considerations, lettering, terminology, site plans, and construction drawings. Upon completion, students should be able to draw, dimension, and specify basic residential architectural construction drawings. Prerequisite DDT 104 unless otherwise stated by College

DDT 133 Basic Surveying 3 hours: 1T, 4L
This course covers the use of surveying instruments, mathematical calculations, and the theory of land surveying. Topics include USGS benchmarks, measuring horizontal and vertical angles and distances, terms, and recording and interpreting field notes. Upon completion, students should be able to recognize benchmarks and measure, specify, and record field notes. Prerequisite As required by program

DDT 181 Special Topics in Drafting and Design Technology 3 hours: 1T, 4L
This course provides specialized instruction in various areas related to the drafting industry. Emphasis is placed on meeting students' needs. Prerequisite As required by program

DDT 182 Special Topics in Drafting and Design Technology 3 hours: 1T, 4L
This course provides students with opportunities to apply drafting and design concepts.
Prerequisite As required by program

DDT 193 Drafting Internship 3 hours: 15I
This course is limited to those who are involved in a structured employment situation that is directly related to the field of drafting and design and is coordinated with the drafting instructor. The student must spend at least 15 hours per week in an activity planned and coordinated jointly by the instructor and the employer. Upon completion, the student will have gained valuable work experience in a well-planned, coordinated training/work situation.
Prerequisite As required by program

DDT 211 Intermediate Machine Drafting 3 hours: 1T, 4L
This second course in machine drafting and design provides more advanced instruction in the largest specialty area of drafting. Topics include applications of previously developed skills in the organization and development of more complex working drawings, use of vendor catalogs and the Machinery's Handbook for developing specifications, and use of standardized abbreviations in working drawings. Prerequisite DDT 131 and/or as required by program
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<th>Course Code</th>
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<th>Description</th>
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<tr>
<td>DDT 212</td>
<td>Intermediate Architectural Drafting</td>
<td>3 hours</td>
<td>This second course in architectural design and drafting continues with more advanced and detailed architectural plans. Topics include interior elevations, plot plans, and interior details. Upon completion, students should be able to draw and specify advanced level plans including various architectural details. Prerequisite: As required by college</td>
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<tr>
<td>DDT 220</td>
<td>Advanced Technical Drawing</td>
<td>3 hours</td>
<td>This course covers the methods of providing size description and manufacturing information for production drawings. Emphasis will be placed on accepted dimensioning and tolerancing practices including Geometric Dimensioning and Tolerancing for both the Customary English System and the ISO System. Upon completion, students should be able to apply dimensions, tolerances, and notes to drawings to acceptable standards, including Geometric Dimensioning and Tolerancing, and produce drawings using and specifying common threads and various fasteners, including welding methods. Prerequisite: As required by college</td>
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<tr>
<td>DDT 226</td>
<td>Technical Illustration</td>
<td>3 hours</td>
<td>This course provides the student with various methods of illustrating structures and machine parts. Topics include axonometric drawings; exploded assembly drawings; one-point, two-point, and three-point perspectives, surface textures, and renderings. Upon completion, students should be able to produce drawings and illustrations using the previously described methods. Prerequisite: As required by College</td>
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<tr>
<td>DDT 231</td>
<td>Advanced CAD</td>
<td>3 hours</td>
<td>This course allows the student to plan, execute, and present results of individual projects in Advanced CAD topics. Emphasis is placed on enhancing skill attainment in Advanced CAD skill sets. The student will be able to demonstrate and apply competencies identified and agreed upon between the student and instructor. Prerequisite: As required by College</td>
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<tr>
<td>DDT 233</td>
<td>Intermediate 3D Modeling</td>
<td>3 hours</td>
<td>This course emphasizes the more advanced techniques in 3D solid modeling. It covers advanced features of part creation, part editing, and analysis. Some techniques that will be discussed are: lofting, sweeping, sheet metal part creation, interference checking and stress analysis. Upon completion of the course students should be able to create advanced 3D models and perform stress analysis/interference checking. Prerequisite: As required by College</td>
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<tr>
<td>DDT 235</td>
<td>Specialized CAD</td>
<td>3 hours</td>
<td>This course allows the student to plan, execute, and present results of individual projects in Specialized CAD topics. Emphasis is placed on enhancing skill attainment in Specialized CAD skill sets. The student will be able to demonstrate and apply competencies identified by the instructor. Prerequisite: As required by College</td>
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<tr>
<td>DDT 237</td>
<td>Current Topics in CAD</td>
<td>3 hours</td>
<td>This course allows the student to plan, execute, and present results of individual projects relating to the Current topics in CAD. Emphasis is placed on attainment of skills related to changes in current CAD technology. The student will be able to demonstrate and apply competencies identified by the instructor. Prerequisite: As required by College</td>
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<tr>
<td>DDT 239</td>
<td>Independent Studies</td>
<td>3 hours</td>
<td>This course provides practical application of prior attained skills and experiences as selected by the instructor for the individual student. Emphasis is placed on applying knowledge from prior courses toward the solution of individual drafting and design problems. With completion of this course, the student will demonstrate the application of previously attained skills and knowledge in the solution of typical drafting applications and problems. Prerequisite: As required by College</td>
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<tr>
<td>DDT 244</td>
<td>Advanced 3D Modeling</td>
<td>3 hours</td>
<td>This course is designed to challenge the imagination of the student in a three dimensional problem-solving environment using solids modeling software. The student will develop to scale computer generated parts in the 3D computer environment. They will apply modeling concepts as Constraints, Photorealistic rendering, motion activated views, introduction to 3D part libraries, add-in software components, plastic model technology and simulations. They will be introduced to the concepts of 3D design and animation, then apply those concepts to a design project. Upon completion, a student should be able to create parts in 3D models, produce working drawings and understand basic simulations. Students will also print files to &quot;.stl&quot; format and create parts on a Direct Digital Manufacturing system or prototype. Prerequisite: As required by College</td>
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<tr>
<td>DDT 268</td>
<td>Drafting Internship</td>
<td>2 hours</td>
<td>This course allows the student to alternate semesters of full-time work in a job closely related to the student's major with semesters of full-time school. The grade is based on the employer's evaluation of the student's productivity, an evaluation work report submitted by the student, and the student's learning contract. Prerequisite: As required by program</td>
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</table>
DEM 104 Basic Engines 3 hours: 1T, 4L
This course is designed to give the student knowledge of the diesel engine components and auxiliary systems, the proper way to maintain them, and the proper procedures for testing and rebuilding components. Emphasis is placed on safety, theory of operation, inspection, and measuring and rebuilding diesel engines according to factory specifications. Upon completion, students should be able to measure, diagnose problems, and repair diesel engines.
Prerequisite As required by College Corequisite As required by College

DEM 105 Preventive Maintenance 3 hours: 1T, 4L
This course provides instruction on how to plan, develop, and install equipment surveillance and reliability strategies. Descriptions of various maintenance techniques for specialized preventive programs are discussed and computerized parts and equipment inventories and fleet management systems software are emphasized. Upon completion, students should be able to set up and follow a preventive maintenance schedule as directed by manufacturers.
Prerequisite As required by College Corequisite As required by College

DEM 111 Equipment Safety / Mechanical Fundamentals 3 hours: 1T, 4L
This course provides instruction in the fundamentals of vehicle operation and safety when basic service work is to be performed in the shop. Topics include service manuals, mechanical fundamentals, preventive maintenance and component adjustment. Upon completion, students should be able to demonstrate knowledge of the fundamentals of vehicle operation and safety in the shop.
Prerequisite As required by College Corequisite As required by College

DEM 114 Fluid Power Components 3 hours: 2T, 2L
This course is designed to provide the fundamental knowledge of hydraulic and pneumatic components currently in use on mobile as well as stationary equipment. Instruction is provided in the identification and repair of various pumps, motors, valves, heat exchangers, and cylinders. Upon completion, students should be able to diagnose, service, and repair hydraulic and pneumatic components.
Prerequisite As required by College Corequisite As required by College

DEM 116 Track Vehicle Drive Trains 3 hours: 1T, 4L
This course provides instruction in track vehicles and drive trains. Emphasis is placed on track frame roller, rail, steering clutch, axle, and driveline building and repair. Upon completion, students should be able to identify, research specifications, repair, and adjust drive train components.
Prerequisite As required by College Corequisite As required by College

DEM 119 Bearings and Lubricants 3 hours: 1T, 4L
This course focuses on roller, ball, and shell bearing design and application. Topics include vehicle and industrial bearings and lubrication requirements. Upon course completion, students should diagnose related problems and service and replace bearings. Prerequisite As required by College Corequisite As required by College

DEM 122 Heavy Vehicle Brakes 3 hours: 1T, 4L
This course covers the theory and repair of braking systems used in medium and heavy-duty vehicles. Topics include hydraulic, and ABS system diagnosis and repair. Upon completion, students should be able to troubleshoot, adjust, and repair braking systems on medium and heavy vehicles.
Prerequisite As required by College Corequisite As required by College

DEM 123 Pneumatics and Hydraulics 3 hours: 1T, 4L
This course provides instruction in the identification and repair of components found in hydraulic and pneumatic systems. Topics include schematics and symbols used in fluid power transmission and the troubleshooting of components in these systems. Upon completion, students should be able to diagnose, adjust, and repair hydraulic and pneumatic system components.
Prerequisite As required by College Corequisite As required by College

DEM 124 Electronic Engine Systems 3 hours: 1T, 4L
This course introduces the principles of electronically controlled diesel engines. Emphasis is placed on testing and adjusting diesel engines in accordance with manufacturers’ specifications. Upon completion, students should be able to diagnose, test, and calibrate electronically controlled diesel engines.
Prerequisite As required by College Corequisite As required by College

DEM 125 Heavy Vehicle Drive Trains 3 hours: 1T, 4L
This course introduces operational principles of mechanical medium and heavy-duty vehicle transmissions. Topics include multiple counter shafts, power take offs, slider idler clutches, friction clutches, mechanical transmission power components, and hydraulics. Upon completion, students should be able to diagnose, inspect, and repair mechanical transmissions. Prerequisite As required by College Corequisite As required by College
<table>
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<tr>
<th>DEM 127</th>
<th>Fuel Systems</th>
<th>3 hours: 1T, 4L</th>
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<tr>
<td>This course is designed to provide practice in troubleshooting, fault code diagnosis, information retrieval, calibration, repair and replacement of fuel injectors, nozzles, and pumps. Emphasis is placed on test equipment, component functions, and theory. Upon completion, students should be able to diagnose, service, and repair fuel systems and governors. <strong>Prerequisite</strong> As required by college  <strong>Corequisite</strong> As required by college.</td>
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<tr>
<th>DEM 128</th>
<th>Heavy Vehicle Drive Train Lab</th>
<th>3 hours: 9L</th>
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<tr>
<td>This lab provides reinforcement of material covered in DEM 116 or DEM 125. The students will apply the knowledge they learned on driveshafts, power take-offs, standard transmissions, fluid drives, torque converters, clutch assemblies, drive axles, and special drives through experiential learning techniques. Upon completion, students should be able to diagnose, inspect, remove, repair or replace, and install heavy vehicle drive train components. <strong>Prerequisite</strong> As required by College  <strong>Corequisite</strong> As required by College.</td>
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<tr>
<th>DEM 129</th>
<th>Diesel Engine Lab</th>
<th>3 hours: 6L</th>
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<tr>
<td>This lab allows the student to refine the skills required to repair diesel engines. <strong>Prerequisite</strong> As required by College  <strong>Corequisite</strong> As required by College.</td>
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<tr>
<th>DEM 130</th>
<th>Electrical/Electronic Fundamentals</th>
<th>3 hours: 1T, 4L</th>
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<tr>
<td>This course introduces the student to basic Electrical / Electronic concepts and fundamentals. It provides the principles of electricity, magnetism, and Ohm's Law. Emphasis is placed on batteries, starting, charging, and lighting circuits, which include series, parallel, and series-parallel circuits. Troubleshooting and repair of wiring harnesses, starting motors, charging systems, and accessories are included, along with the computerized monitoring of vehicle systems. Upon completion, students should be able to identify components, test systems, and repair minor electrical problems according to manufacturers' literature. <strong>Prerequisite</strong> As required by College  <strong>Corequisite</strong> As required by College  <strong>CORE</strong>.</td>
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<tr>
<th>DEM 131</th>
<th>Electrical/Electronic Fundamentals II</th>
<th>3 hours: 2T, 2L</th>
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<tr>
<td>This course is a continuation of the Electrical/Electronic Fundamentals course providing advanced instruction on the principles of electricity, magnetism and Ohm's Law. Batteries, starting, charging, and lighting circuits including series, parallel, and series-parallel circuits are covered in depth. Advanced instruction is provided on the troubleshooting and repair of wiring harnesses, starting motors, charging systems, and accessories. <strong>Prerequisite</strong> As required by college.</td>
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<tr>
<th>DEM 134</th>
<th>Computer Controlled Engine and Power Train Systems</th>
<th>3 hours: 3T</th>
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<tr>
<td>This course introduces the student to the fundamentals of operation of computer controlled engine and power train systems. <strong>Prerequisite</strong> As required by College  <strong>Corequisite</strong> As required by College.</td>
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<tr>
<th>DEM 135</th>
<th>Heavy Vehicle Steering and Suspension Systems</th>
<th>3 hours: 1T, 4L</th>
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<tr>
<td>This course introduces the theory and principles of medium and heavy-duty steering and suspension systems. Topics include wheel and tire problems, frame members, fifth wheel, bearings, and coupling systems. Upon completion, students should be able to troubleshoot, adjust, and repair suspension and steering components, and perform front and rear wheel alignments on medium and heavy duty vehicles. <strong>Prerequisite</strong> As required by College  <strong>Corequisite</strong> As required by College.</td>
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<tr>
<th>DEM 137</th>
<th>Heating, A/C, and Refrigeration Systems</th>
<th>3 hours: 1T, 4L</th>
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<tbody>
<tr>
<td>This course provides instruction in fundamentals, diagnosis, and repair of cab and cargo heating and refrigeration systems. Topics include operation theory, safety, maintenance, recycling and recovery procedures, recharging procedures, troubleshooting procedures, refrigerant leaks, and system repairs. <strong>Prerequisite</strong> As required by College  <strong>Corequisite</strong> As required by College.</td>
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<tr>
<th>DEM 145</th>
<th>Electrical Schematics and Symbols</th>
<th>3 hours: 3T</th>
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<tr>
<td>This course introduces the student to electrical symbols and schematics. It prepares the student to utilize wiring diagrams and schematics to troubleshoot electrical problems. Upon completion students should be able to understand electrical circuits by reading wiring diagrams. <strong>Prerequisite</strong> As required by college  <strong>Corequisite</strong> As required by college.</td>
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<tr>
<th>DEM 155</th>
<th>Preventive Maintenance II</th>
<th>3 hours: 2T, 2L</th>
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<tr>
<td>This course is a continuation of the Preventive Maintenance course providing advanced instruction on planning, developing and installing equipment for surveillance and reliability strategies. Advanced instruction is provided on various maintenance techniques for specialized preventive programs and computerized parts as well as equipment inventories and fleet management systems software. <strong>Prerequisite</strong> As required by college.</td>
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<tr>
<th>DEM 158</th>
<th>Pneumatics and Hydraulics II</th>
<th>3 hours: 2T, 2L</th>
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<tr>
<td>This course provides instruction in the identification and repair of components found in hydraulic systems. Topics</td>
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</table>
include schematics, circuits, and symbols used in fluid power transmission and the troubleshooting of components in these systems. Upon completion, students should be able to diagnose, adjust, and repair hydraulic system components. Prerequisite As required by College Corequisite As required by College

DEM 180 Special Projects in Commercial Vehicles 3 hours; 3T
This course provides specialized instruction in various areas related to the diesel mechanics industry. Emphasis is placed on meeting students' needs. Prerequisite As required by college Corequisite As required by college

DEM 181 Special Topics in Electrical 3 hours: 6L
This course provides specialized instruction on various areas related to the electrical systems of the diesel mechanics industry. Emphasis is placed on meeting student's needs.
Prerequisite As required by college Corequisite As required by college

DEM 182 Special Topics in Engines 3 hours: 9L
This course provides specialized instruction in various areas related to engines in the diesel mechanics industry. Emphasis is placed on meeting student's needs.
Prerequisite As required by college Corequisite As required by college

DEM 183 Special Topics in Power Train 3 hours: 6L
This course provides specialized instruction in various areas related to the power train in the diesel mechanics industry. Emphasis is placed on meeting student's needs.
Prerequisite As required by college Corequisite As required by college

DEM 184 Special Topics in Heavy Duty Brakes, Steering, and Suspension 3 hours: 9L
This course provides specialized instruction in various areas related to heavy-duty brakes, steering, and suspension systems in the diesel mechanics industry. Emphasis is placed on meeting students' needs.
Prerequisite As required by College Corequisite As required by College

DEM 186 Special Projects in Commercial Vehicles 3 hours: 1T, 4L
This course provides specialized instruction in various areas related to the diesel mechanics industry. Emphasis is placed on meeting student's needs. Prerequisite As required by college Corequisite As required by college

DEM 187 Industrial Safety 1 hour: 1T
This course provides specialized instruction on the safety issues and requirements of the Occupational Safety and Health Administration (OSHA) as related to the diesel mechanics industry. Emphasis is placed on identifying and correcting potential safety issues relating to OSHA requirements as well as the accompanying administration of the requirements. Prerequisite As required by college.

DEM 191 Special Projects in Diesel Mechanics 3 hours; 1T, 4L
This course provides information on current trends in diesel mechanics as they relate to employment responsibilities. Topics may vary by term to reflect relevant training needs of the industry.
Prerequisite As required by college Corequisite As required by college

DEM 192 Co-Op Elective 3 hours: 15i
This course allows the student to work parallel in a job closely related to the student's major while attending college. The grade is based on the employer's evaluation of the student's productivity, an evaluation work report submitted by the student, and the student's learning contract.
Prerequisite As required by College Corequisite As required by College

DEM 196 Co-Op Elective 1 hour: 5i
This course allows the student to work parallel in a job closely related to the student's major while attending college. The grade is based on the employer's evaluation of the student's productivity, an evaluation work report submitted by the student, and the student's learning contract.
Prerequisite As required by College Corequisite As required by College

DEM 196A Co-Op Elective 1 hour: 5i
This course allows the student to work parallel in a job closely related to the student's major while attending college. The grade is based on the employer's evaluation of the student's productivity, an evaluation work report submitted by the student, and the student's learning contract.
Prerequisite As required by College Corequisite As required by College

DEM 196B Co-Op Elective 1 hour: 5i
This course allows the student to work parallel in a job closely related to the student's major while attending college. The grade is based on the employer's evaluation of the student's productivity, an evaluation work report submitted by
the student, and the student's learning contract.

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<tr>
<th>Course</th>
<th>Title</th>
<th>Prerequisite</th>
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<tr>
<td>DEM 197</td>
<td>Co-Op Elective</td>
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<td>This course allows the student to work</td>
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<td>2 hours: 10i</td>
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<td>This course places emphasis on the usage</td>
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<td>of personal computers and software</td>
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<td>applications for personal and</td>
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<td>workplace use. Topics include impact of</td>
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<td>computers in business and industry, word</td>
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<td>processing, spreadsheets, ethical</td>
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<td>issues, database, and related concepts.</td>
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<td>Upon completion, the student will be able</td>
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<td>to demonstrate computer skills as</td>
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<td>applied to occupational-related fields.</td>
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<td>This course does not satisfy the general</td>
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<td>education component of most degrees</td>
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<td>and may not be used by Computer Science</td>
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<td>majors as an elective.</td>
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<td>ECO 231</td>
<td>Principles of Macroeconomics</td>
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<td>3 hours</td>
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<td>This course is an introduction to</td>
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<td>macroeconomic theory, analysis, and</td>
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<td>policy applications. Topics include the</td>
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<td>following: scarcity, demand and supply,</td>
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<td>national income analysis, major economic</td>
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<td>theories concerning monetary and</td>
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<td>fiscal policies as stabilization</td>
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<td>measures, the banking system, and other</td>
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<td>economic issues or problems including</td>
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<td>international trade.</td>
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<td>ECO 232</td>
<td>Principles of Microeconomics</td>
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<td>This course is an introduction of the</td>
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<td>microeconomic theory, analysis, and</td>
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<td>applications. Topics include scarcity; the</td>
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<td>theories of consumer behavior, production</td>
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<td>and cost, markets, output and resource</td>
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<td>pricing, and international aspects of</td>
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<td>microeconomics.</td>
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<td>EET 100</td>
<td>Introduction to Engineering</td>
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<td>Technologies</td>
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<td>3 hours: 3T</td>
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<td>This course is designed to introduce the</td>
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<td>student to the basic concepts, terminology</td>
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<td>and procedures associated with applied</td>
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<td>analytical skills needed to succeed in</td>
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<td>higher level courses. Topics include</td>
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<td>engineering notation, use of scientific</td>
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<td>calculator, triangulation methods, and</td>
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<td>the basic laws of electricity.</td>
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<td>EET 103</td>
<td>DC Fundamentals</td>
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<td>3 hours: 2T, 3L</td>
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<td>This course provides an in depth study of</td>
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<td>direct current (DC) electronic theory.</td>
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<td>Topics include atomic theory, magnetism,</td>
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<td>properties of conductors and insulators,</td>
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<td>and characteristics of series, parallel,</td>
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<td>and series-parallel circuits. Inductors</td>
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<td>and capacitors are introduced and their</td>
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<td>effects on DC circuits are examined.</td>
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<td>Students are prepared to analyze complex DC</td>
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<td>circuits, solve for unknown circuit</td>
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<td>variables and to use basic electronic test</td>
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<td>equipment. This course also provides</td>
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<td>hands on laboratory exercises to analyze,</td>
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<td>construct, test, and troubleshoot DC</td>
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<td>circuits. Emphasis is placed on the use of</td>
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<td>scientific calculator and the operation of</td>
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<td>common test equipment used to analyze and</td>
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<td>troubleshoot DC and to prove the theories</td>
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<td>taught during classroom instruction.</td>
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<td>EET 104</td>
<td>AC Fundamentals</td>
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<td>3 hours: 2T, 3L</td>
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<td>This course provides an in depth study of</td>
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<td>alternating current (AC) electronic theory.</td>
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<td>Students are prepared to analyze complex</td>
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<td>AC circuit configurations with resistors,</td>
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<td>capacitors, and inductors in series and</td>
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<td>parallel combinations. Topics include</td>
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<td>electrical safety and lockout procedures,</td>
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<td>specific AC theory functions such as</td>
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<td>RLC, impedance, phase relationships, and</td>
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<td>power factor. Students will be able to</td>
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<td>define terms, identify waveforms, solve</td>
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<td>complex mathematical problems, construct</td>
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<td>circuits, explain circuit characteristics,</td>
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<td>identify components, and make accurate</td>
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<td>circuit measurements using appropriate</td>
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<td>measurement instruments. They should also</td>
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<td>be able to perform fundamental tasks</td>
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<td>associated with troubleshooting, repairing,</td>
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<td>and maintaining industrial AC systems.</td>
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<td>EET 109</td>
<td>Electrical Blueprint Reading I</td>
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<td>This course will enable the student to</td>
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<td>obtain a working knowledge of the</td>
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<td>elements of blueprint reading; the ability</td>
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<td>to interpret electrical, mechanical, and</td>
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<td>architectural drawings; and the ability to</td>
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<td>visualize the entire building structure in</td>
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<td>relationship to the electrical system.</td>
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<td>EET 114</td>
<td>Concepts of Solid State Electronics</td>
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<td>5 hours: 3T, 4L</td>
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<td>This course is an introduction to</td>
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<td>semiconductor fundamentals and applications</td>
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<td>to electronic devices. Course covers the</td>
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<td>basic operations and applications to include</td>
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<td>rectifier circuits, transistors, and</td>
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<td>thyristors. Coverage is given to</td>
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<td>safety, use, and care with</td>
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<td>hazardous materials and personal as well</td>
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<td>as material and environmental considerations.</td>
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<td>Upon completion, students will be able to</td>
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<td>construct and test for proper operation of</td>
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<td>various types of solid state devices.</td>
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289
EET 115 Concepts of Digital Electronics 5 hours: 3T, 4L
This course provides instruction in digital electronics. Topics include number systems and codes, a review of Boolean algebra, logic elements, digital circuits, programmable logic circuits, and memory and computing circuits. This course provides laboratory exercises to analyze, construct, test, and troubleshoot digital circuits. Prerequisite: EET 103

EET 116 Concepts of Electronic Circuits 5 hours: 3T, 4L
This course covers the commonly utilized circuits found in all areas of electronics. These include various rectifiers, filters, voltage regulating circuits, operational amplifier circuits, ICs, and oscillator circuits. Upon completion students will be able to construct and test various types of electronic circuits. Prerequisite: EET 114

EET 119 Circuit Fabrication I 1 hour: 2L
This course provides instruction in fabrication of functional circuits and is an introduction to device construction and fabrication. Utilizing discrete components, students will fabricate functional circuits. Topics include soldering, cable construction, coaxial cable connection and termination, component mounting, cases and chassis, printed circuit board design, layout, fabrication and repair, as well as soldering techniques, care of tools, wire splicing, wire wrapping, connector maintenance, and related shop safety. Upon completion of this course, students should be able to perform basic circuit and project construction. Prerequisite: As determined by College CORE

EET 122 Transmission Fundamentals 3 hours: 3T
This course is designed to give the student a working knowledge of telephone voice and data transmission over wires or carrier, including the fundamentals of signaling, supervision, and loop treatment. Prerequisite: As required by program

EET 172 Transmission Fundamentals Lab 2 hours: 4L
This is a concurrent lab for EET 122. Experiments are designed to teach testing and analysis of transmission signals. Prerequisite: As required by program

EET 178 Power Systems 3 hours: 3T
This covers the theory and practical application of telephone power equipment. Ferroresonate power supplies, batteries, and signaling equipment maintenance are included. Prerequisite: As required by program

EET 192 Installation Practices 3 hours: 1T, 4L
This course is a study of various tasks, wiring methods, materials, and associated NEC requirements that students will be required to work with in residential and commercial wiring courses. Prerequisite: As required by program

EET 195 Selected Topics in EET 1 hour, 1T
These are selected courses offered in areas of special interest to full and part-time students. Emphasis will be placed on principles and skills identified by the instructor. Upon course completion, the student should demonstrate the ability to apply theory and principles in constructing, testing, or modifying electronic circuits or systems. Prerequisite: As required by program

EET 196 Selected Topics in EET 2 hours, 2T
These are selected courses offered in areas of special interest to full and part-time students. Emphasis will be placed on principles and skills identified by the instructor. Upon course completion, the student should demonstrate the ability to apply theory and principles in constructing, testing, or modifying electronic circuits or systems. Prerequisite: As required by program

EET 197 Selected Topics in EET 3 hours, 3T
These are selected courses offered in areas of special interest to full and part-time students. Emphasis will be placed on principles and skills identified by the instructor. Upon course completion, the student should demonstrate the ability to apply theory and principles in constructing, testing, or modifying electronic circuits or systems. Prerequisite: As required by program

EET 207 Intro to Robotics 3 hours: 3T
This course provides an introduction to robots for students preparing to work in environments using robots. Topics covered include the service and repair of robots and the applications and uses of robots. Upon completion of this course and EET 212, a student will be able to program and operate a simple robot. Prerequisite: EET 104, INT 103, or AUT 111

EET 208 Fiber Optics 3 hours: 3T
This course covers basic fiber optic transmissions principles including optical devices and light propagation through glass fibers. Connectors and splicing fibers are integrated, along with data transmission measurement. Prerequisite: EET 103, INT 101, or AUT 110
EET 212 Intro to Robotics Lab
2 hours: 4L
Companion to EET 207. Emphasizes hands-on experience with actual robots. Upon completion of this course and EET 207 a student will be able to program and operate a simple shoot.
Prerequisite As determined by College Corequisite EET 207

EET 213 Process Control and Instrumentation
3 hours: 3T
This course provides an introduction to the field of process control and instrumentation. Topics covered include sensors, transducers, signal conditioning, control devices, process meters and PID controllers. Upon completion of this course and EET 238 a student will be able to analyze a simple industrial process control system.
Prerequisite Advisor approval Corequisite EET 238

EET 224 Elements of Industrial Control with PLCs
3 hours: 3T
This course covers the basics of automatic control of industrial systems using the programmable logic controller. Topics include relay logic, ladder logic, motor controls, and the development of ladder logic using software. Upon completion of this course and the associated lab a student will be able to configure and program a PLC. Prerequisite EET 104, INT 103, or AUT 111

EET 225 Electronics Communications
3 hours: 3T
This course is a study of electronic circuits used for communication. Topics include amplitude modulation, frequency modulation, single sideband operation, and performance measurements. Upon completion of this course, a student will be able to analyze and operate a simple communication system. Prerequisite EET 104, INT 103, or AUT 111

EET 229 Elements of Industrial Controls with PLCs Lab
2 hours: 4L
This course covers the basics of automatic control of industrial systems using the programmable logic controller. Topics include relay logic, ladder logic, motor controls, and the development of ladder logic using software. Upon completion of this course and the associated theory course a student should be able to configure and program a PLC. Prerequisite EET 104, INT 103, or AUT 111 Corequisite EET 224

EET 230 Communications Basics
3 hours: 3T
An introduction to electronic communication. Topics include AM and FM modulation and demodulation, RF amplifiers, mixers, heterodyning and frequency shifting, and oscillators. Upon completion of this course and EET 231 students should be able to describe, operate, and troubleshoot communication circuits. Prerequisite EET 104, INT 103, or AUT 111

EET 231 Communications Basics Laboratory
1 hour: 3L
Companion to EET 230. Topics include RF amplifiers, oscillators, mixers, AM and FM modulation and demodulation. Upon completion of this course and EET 230 a student will be able to describe, operate, and troubleshoot basic communication circuits. Prerequisite EET 116 Corequisite EET 230

EET 238 Process Control and Instrumentation Lab
2 hours: 4L
This course, the companion to EET 213, emphasizes hands-on experience for the student using transducers and sensors, as well as control of processes. Upon completion of this course and EET 213, a student will be able to analyze a simple industrial process control system.
Prerequisite As required by program Corequisite EET 213

EET 240 Communications Advanced
3 hours: 3T
A continuation of EET 230. Topics include transmission lines, antennas, microwave systems, radar, and FDM. Upon completion of this course and EET 241 a student will be able to describe and analyze transmission lines, antennas, microwave systems, radar, and FDM. Prerequisite EET 230 and EET 231

EET 241 Communications Advanced Laboratory
1 hour: 3L
A continuation of EET 231. Topics include wave guides, antennas, coaxial cables, klystrons, and radar. Upon completion of this course and EET 240 a student will be able to describe and analyze transmission lines, antennas, microwave systems, radar, and FDM. Prerequisite EET 230 and EET 231 Corequisite EET 240

EET 249 CET Preparation
3 hours: 3T
This course is designed to prepare students for the Associate Certified Electronics Technicians (CET) examination. This course covers a wide spectrum of materials presented in the electronics program. Upon completion, students should be prepared to take the CET exam. Prerequisite As required by program

EET 252 Electronic Service Lab
1 hour: 2L
An introduction to product service technique. Emphasis is placed on the repair, calibration, and operation of a wide variety of test equipment, instruments and systems. Upon completion of this course and EET 253 a student will be able to repair an actual electronic device

EET 253 Electronic Service Lab
2 hours: 1T, 3L
This course can be substituted for EET 252 or used as a continuation of the practical applications begun in EET 252
This course is a fundamental study of the systems and subsystems in a microcomputer and covers the core hardware requirements for A+ certification. **Prerequisite**: As determined by College

**EET 255 Microcomputer Systems Basic I Lab**  
This course is a practical application of the techniques learned in EET 254. Upon completion, students should have the core computer hardware skills necessary for acquiring A+ certification. **Prerequisite**: As determined by College

**EET 256 Microcomputer Systems Advanced I**  
This course is a continuation of EET 254 and 255. Topics covered in this course include operating systems and networking. Students are prepared to acquire A+ certification after completion of this course.

**EET 257 Microcomputer Systems Advanced I Lab**  
This course is a continuation of EET 256 and provides opportunities for practical application of the techniques learned in EET 256. Upon completion, students should be prepared to acquire A+ certification.

**EET 260 Microprocessors Interfacing**  
A continuation of EET 250. Emphasis is placed on interfacing microprocessor systems. Upon completion of this course and EET 261 a student will be able to interface a microprocessor. **Prerequisite**: EET 115

**EET 261 Microprocessors Interfacing Laboratory**  
A continuation of EET 251. Emphasis is placed on interfacing microprocessor systems. Upon completion of this course and EET 260 a student will be able to interface a microprocessor. **Prerequisite**: EET 250 and EET 251

**EET 262 Industrial Automation Project**  
This course is a technical elective which gives students the opportunity to work on projects with area industries. The nature and size of the projects undertaken will vary and will typically require assistance from other technical disciplines such as engineering, mechanical design, and machine tool. Upon completion of this course, a student will be able to apply skills learned in preceding courses. **Prerequisite**: As determined by program

**EET 276 Elements of Industrial Controls with PLCs II**  
This course includes the advanced principles of PLCs, including hardware, programming, variable speed drives, and troubleshooting. Emphasis is placed on developing advanced working programs and troubleshooting hardware and software communication problems. Upon completion, students should be able to demonstrate their ability in developing programs and troubleshooting the system. **Prerequisite**: As required by program

**EET 277 Elements of Industrial Controls with PLCs II Lab**  
This course includes the advanced principles of PLCs, including hardware, programming, variable speed drives, and troubleshooting. Emphasis is placed on developing advanced working programs, and troubleshooting hardware and software communication problems. Upon completion, students should be able to demonstrate their ability in developing programs and troubleshooting the system. **Prerequisite**: As required by program **Corequisite**: EET 276

**EET 281 Special Topics in Electronic Engineering Technology**  
This course provides specialized instruction in various areas related to electronic engineering technology. Emphasis is placed on meeting students' needs. **Prerequisite**: As required by program

**EET 290 Electronics Project**  
This course integrates skills and knowledge from other courses. Upon course completion, a student will be able to design, fabricate, analyze, program, and/or operate an electronic system under faculty supervision. Emphasis will be placed on skills identified by the instructor. **Prerequisite**: Advisor approval

**EET 294 Co-Op Education**  
This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. **Prerequisite**: As required by college

**EET 294A Co-Op Education**  
This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. **Prerequisite**: Advisor approval
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>EET 294B</td>
<td>Co-Op Education</td>
<td>2 hours</td>
<td>This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, to demonstrate employability skills, and to perform satisfactorily work-related competencies. Prerequisite: Advisor approval</td>
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<td>EET 294D</td>
<td>Co-Op Education</td>
<td>3 hours</td>
<td>This course provides work experience with a college-approved employer in an area related to the student's program of study. Emphasis is placed on integrating classroom learning with related work experience. Upon completion, students should be able to evaluate career selection, to demonstrate employability skills, and to perform satisfactorily work-related competencies. Prerequisite: Advisor approval</td>
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<td>EGR 100</td>
<td>Engineering Orientation</td>
<td>1 hour</td>
<td>This course is designed to make beginning engineering students aware of the many facets of engineering, of their relation to society, and of the objectives of the engineering curriculum. It is designed to stimulate interest in engineering and student-instructor dialogue. Prerequisite: As required by program</td>
</tr>
<tr>
<td>EGR 125</td>
<td>Modern Graphics for Engineers</td>
<td>3 hours</td>
<td>This course provides an introduction to manual and computer-assisted techniques of graphic communication employed by professional engineers. Topics include lettering, instrumental and computer-aided drafting; technical sketching, orthographic projection, pictorial, sectional, and auxiliary views, and dimensioning. Prerequisite: As required by program</td>
</tr>
<tr>
<td>ELT 110</td>
<td>Wiring Methods</td>
<td>3 hours</td>
<td>This course is a study of various tasks, wiring methods, materials, and associated NEC requirements that students will be required to work with in residential and commercial wiring courses. Prerequisite: As required by program</td>
</tr>
<tr>
<td>ELT 114</td>
<td>Residential Wiring Methods</td>
<td>3 hours</td>
<td>This course is a study of residential wiring practices and methods, the NEC requirements and residential blueprint interpretations. Prerequisite: As required by program</td>
</tr>
<tr>
<td>ELT 115</td>
<td>Residential Wiring Methods II</td>
<td>3 hours</td>
<td>This course is a study of residential wiring practices and methods, the NEC requirements and residential blueprint interpretations. Prerequisite: ELT 114</td>
</tr>
<tr>
<td>ELT 117</td>
<td>AC/DC Machines</td>
<td>3 hours</td>
<td>This course covers the theory and operation of DC motors single and three-phase AC motors, and the labs will reinforce this knowledge. Emphasis is placed on the various types of single and three-phase motors, wiring diagrams, starting devices, and practical application in the lab. Prerequisite: As required by program</td>
</tr>
<tr>
<td>ELT 118</td>
<td>Commercial/Industrial Wiring I</td>
<td>3 hours</td>
<td>This course focuses on principles and applications of commercial and industrial wiring. Topics include electrical safety practices, an overview of National Electric Code requirements as applied to commercial and industrial wiring, conduit bending, circuit design, pulling cables, transformers, switch gear, and generation principles. Prerequisite: As required by program</td>
</tr>
<tr>
<td>ELT 122</td>
<td>Advanced AC/DC Machines</td>
<td>3 hours</td>
<td>This course focuses on single and three phase motors and also introduces students to DC motors. Emphasis is placed on field wiring various types of AC and DC motors, troubleshooting procedures, and utilization of test equipment. Upon completion, students should be able to explain, wire, troubleshoot, and test all types of AC and DC electric motors. Prerequisite: ELT 117</td>
</tr>
<tr>
<td>ELT 181</td>
<td>Special Topics in Electrical Technology</td>
<td>3 hours</td>
<td>These courses provide specialized instruction in various areas related to electrical technology. Emphasis is placed on meeting students' needs. Prerequisite: As required by program</td>
</tr>
<tr>
<td>ELT 182</td>
<td>Special Topics in Electrical Technology</td>
<td>3 hours</td>
<td>These courses provide specialized instruction in various areas related to electrical technology. Emphasis is placed on meeting students' needs. Prerequisite: As required by program</td>
</tr>
<tr>
<td>ELT 183</td>
<td>Special Topics in Electrical Technology-NCCE</td>
<td>3 hours</td>
<td>These courses provide specialized instruction in various areas related to electrical technology. Emphasis is placed on meeting student needs. Prerequisite: As required by program</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Prerequisite</td>
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<tr>
<td>ELT 192</td>
<td>Practicum/Intern/Co-op</td>
<td>1 hour: 5I</td>
<td>As required by program</td>
</tr>
<tr>
<td>ELT 194</td>
<td>Practicum/Intern/Co-op</td>
<td>3 hours: 15I</td>
<td>As required by program</td>
</tr>
<tr>
<td>ELT 200</td>
<td>Special Projects</td>
<td>3 hours: 6L</td>
<td>As required by program</td>
</tr>
<tr>
<td>ELT 206</td>
<td>OSHA Safety Standards</td>
<td>3 hours: 3T</td>
<td>As required by program</td>
</tr>
<tr>
<td>ELT 209</td>
<td>Motor Controls I</td>
<td>3 hours: 1T, 4L</td>
<td>As required by program</td>
</tr>
<tr>
<td>ELT 212</td>
<td>Motor Controls II</td>
<td>3 hours: 2T, 3L</td>
<td>ELT 209 or INT 212</td>
</tr>
<tr>
<td>ELT 231</td>
<td>Introduction to Programmable Controllers</td>
<td>3 hours: 2T, 3L</td>
<td>As required by program</td>
</tr>
<tr>
<td>ELT 232</td>
<td>Advanced Programmable Controllers</td>
<td>3 hours: 2T, 3L</td>
<td>As required by program</td>
</tr>
<tr>
<td>ELT 234</td>
<td>PLC Applications</td>
<td>3 hours: 2T, 3L</td>
<td>As determined by college.</td>
</tr>
<tr>
<td>ELT 241</td>
<td>National Electric Code</td>
<td>3 hours: 3T</td>
<td>As required by program</td>
</tr>
</tbody>
</table>
The course focuses on the sources of communicable diseases and describes methods for prevention of transmission. This course is designed for students planning to enter a health-related field of study or a public service occupation. The course provides the knowledge and skill practice necessary for individuals to learn how to operate safely all types of ambulances. Topics include introduction to NSTC for ambulance operators; legal aspects of ambulance operation; communication and reporting; roles and responsibilities; ambulance types and operation; ambulance inspection, maintenance, and repair; navigation and route planning; basic maneuvers and normal operating situations; operations in emergency mode and unusual situations; special considerations in safety; and the run. Completion of specific student competencies, utilizing NSTC guidelines, is required for successful completion of this course. A valid driver’s license and program approval.

This course is designed to help prepare a student to take either the Journeyman or the Master Certification Exam. Emphasis is placed on review of electrical concepts and/or principles, practice tests, and test-taking procedures. Upon completion, students should be able to pass the Journeyman/Master Certifying Exam.

This course provides students the knowledge to properly bend electrical metallic tubing, rigid galvanized and intermediate metal conduit, and PVC conduit. Emphasis is placed on the theory and practical application of conduit bending methods. Upon completion, students should be able to get measurements, layout, and successfully bend conduit using hand type, mechanical, and hydraulic benders.

This course provides the student with training as contained in the current National Standard Training Curriculum (NSTC) for the Emergency Vehicle Operator Course (EVOC) Ambulance. The course provides the knowledge to understand how to properly ground an electrical system. Emphasis is placed on, but not limited to the following: residential installations, commercial installations, and the function of independent grounding elements. Upon completion, the students should be able to explain and design a simple grounding system.

This course introduces principle concepts troubleshooting and maintenance of robots. Topics include Recognize and describe major robot component. Students will learn to diagnose robot mechanical problems to the component level, replacement of mechanical components and perform adjustments, troubleshooting class 1, 2, and 3 faults, to manipulate I/O for the robot, and periodic and preventive maintenance. Students will learn how to safely power up robots for complete shutdown and how to manipulate robots using the teach pendant. Upon completion students will be able to describe the various robot classifications, characteristics, explain system operations of simple robots, and maintain robotic systems.

This course provides students with concepts related to areas of basic life support, including coronary artery disease, prudent heart living, symptoms of heart attack, adult one-and-two rescuer CPR, first aid for choking, pediatric basic life support, airway adjuncts. EMS system entry access, automated external defibrillation (AED), and special situations for CPR. Upon course completion, students should be able to identify situations requiring action related to heart or breathing conditions and effectively implementing appropriate management for each condition. Students successfully completing this course will receive appropriate documentation of course completion.

This course provides theory in emergency procedures as contained in the current National Standard Training Curriculum (NSTC) for the First Responder. The course is an introduction to the emergency medical services system and provides fundamentals for students to improve the quality of emergency care provided as the first person to an emergency scene until emergency medical services arrive. Completion of specific student competencies, as outlined in the current NSTC for the First Responder, is required for successful course completion.

The Emergency Vehicle Operator Course Ambulance provides the student with training as contained in the current National Standard Training Curriculum (NSTC) for the Emergency Vehicle Operator Course (EVOC) Ambulance. The course provides the knowledge and skill practice necessary for individuals to learn how to operate safely all types of ambulances. Topics include introduction to NSTC for ambulance operators; legal aspects of ambulance operation; communication and reporting; roles and responsibilities; ambulance types and operation; ambulance inspection, maintenance, and repair; navigation and route planning; basic maneuvers and normal operating situations; operations in emergency mode and unusual situations; special considerations in safety; and the run. Completion of specific student competencies, utilizing NSTC guidelines, is required for successful completion of this course.

This course is designed for students planning to enter a health-related field of study or a public service occupation. The course focuses on the sources of communicable diseases and describes methods for prevention of transmission.
of bloodborne and airborne pathogens. Topics include prevention; universal precautions (body-substance isolation) and asepsis; immunization; exposure control; disposal; labeling; transmission; exposure determination; post-exposure reporting; and an exposure control plan. The course is taught following current guidelines set forth by the Occupational Safety and Health Administration (OSHA). Upon course completion, students should be able to participate in the clinical setting, identify potential sources of bloodborne and airborne pathogens, and use appropriate universal precautions.

EMS 118 Emergency Medical Technician 9 hours: 6T, 3L
This course is required to apply for certification as an Emergency Medical Technician. This course provides students with insights into the theory and application of concepts related to the profession of emergency medical services. Specific topics include: EMS preparatory, airway maintenance, patient assessment, management of trauma patients, management of medical patients, treating infants and children, and various EMS operations. This course is based on the NHTSA National Emergency Medical Services Education Standards.

EMS 119 Emergency Medical Technician Clinical 1 hour: 1P
This course is required to apply for certification as an EMT. This course provides students with clinical education experiences to enhance knowledge and skills learned in the EMS 118, Emergency Medical Technician Theory and Lab. This course helps students prepare for the National Registry Exam. Medical Technician Theory and Lab. This course helps students prepare for the National Registry Exam.

EMS 150 EMT Basic Refresher 2 hours: 2T
This course provides students with theory in review of the current National Standard Training Curriculum (NSTC) for the EMT-Basic. It also serves as a transition or bridge course when a new national curriculum is adopted. This course contains specific content areas as defined by the NSTC. Students are required to complete specific competencies, as outlined by the NSTC, for successful course completion.
Prerequisite Completion of an NSTC course for EMT-Basic or program approval

EMS 155 Advanced Emergency Medical Technician 8 hours: 5T, 3L
This course is required to apply for certification as an Advanced Emergency Medical Technician (AEMT). This course introduces the theory and application of concepts related to the profession of the AEMT. The primary focus of the AEMT is to provide basic and limited advanced emergency medical care and transportation for critical and emergent patients who access the emergency medical system. This individual possesses the basic knowledge and skills necessary to provide patient care and transportation. Topics include: extending the knowledge of the EMT to a more complex breadth and depth, intravenous access and fluid therapy, medication administration, blind insertion airway devices, as well as the advanced assessment and management of various medical illnesses and traumatic injuries. This course is based on the NHTSA National Emergency Medical Services Education Standards. Requires licensure or eligibility for licensure at the EMT level and EMS 156 must be taken as a Corequisite. Corequisite EMS 156

EMS 156 Advanced Emergency Medical Technician Clinical 2 hours: 2P
This course is required to apply for certification as an Advanced Emergency Medical Technician (AEMT). This course provides students with clinical education experiences to enhance knowledge and skills learned in EMS 155. This course helps prepare students for the National Registry AEMT Exam. The student will have the opportunity to use the basic and advanced skills of the AEMT in the clinical and field settings under the direct supervision of licensed healthcare professionals. Requires licensure or eligibility for licensure at the EMT level and EMS 155 must be taken as a Corequisite. Corequisite EMS 155

EMS 189 Applied Anatomy and Physiology for the Paramedic 4 hours: 4T
This course introduces human anatomy and physiology and includes concepts related to basic chemistry; fluid, electrolyte, and acid-base balance; functions of cells, tissues, organs, and systems; pathophysiology; and associated medical terminology. Emphasis is placed on applying content to signs, symptoms, and treatments; and situations commonly seen by paramedics. Upon course completion, students should be able to demonstrate a basic understanding of the structure and function of the human body.
Prerequisite As required by program.

NOTE: EMS 189 or BIO 201 is a prerequisite for the first Paramedic course.

EMS 240 Paramedic Operations 2 hours: 1T, 1L
This course focuses on the operational knowledge and skills needed for safe and effective patient care within the paramedic's scope of practice. Content areas include: research, paramedic roles and responsibilities, well-being of the paramedic, illness and injury prevention, medical-legal-ethical issues, therapeutic communications, medical terminology, life span development, ambulance operations, medical incident command, rescue awareness and operations, hazardous materials incidents, crime scene awareness, and Alabama EMS laws and rules.
Prerequisite EMS 189 or BIO 201
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EMS 241</td>
<td>Paramedic Cardiology</td>
<td>3 hours: 2T, 1L</td>
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<td></td>
<td>This course introduces the cardiovascular system, cardiovascular electrophysiology, and electrocardiographic monitoring. The course further relates pathophysiology and assessment findings to the formulation of field impressions and implementation of treatment plans for specific cardiovascular conditions. Content areas include: cardiovascular anatomy and physiology, cardiovascular electrophysiology, electrocardiographic monitoring, rhythm analysis, and prehospital 12-lead electrocardiogram monitoring and interpretation, assessment of the cardiovascular patient, pathophysiology of cardiovascular disease and techniques of management including appropriate pharmacologic agents and electrical therapy.</td>
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<tr>
<td>EMS 242</td>
<td>Paramedic Patient Assessment</td>
<td>3 hours: 2T, 1L</td>
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<td>This course provides the knowledge and skills needed to perform a comprehensive patient assessment, make initial management decisions, and to communicate assessment findings and patient care verbally and in writing. Content areas include: airway management, history taking, techniques of the physical examination, patient assessment, clinical decision making, communications, documentation and assessment based management.</td>
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<tr>
<td>EMS 243</td>
<td>Paramedic Pharmacology</td>
<td>1 hour: 1L</td>
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<td>This course introduces basic pharmacological agents and concepts with an emphasis on drug classifications and the knowledge and skills required of a paramedic for safe, effective medication administration. Content areas include: general principles of pharmacology and pharmacologic pathophysiology; venous and intraosseous access techniques, the metric and apothecary system; computation of dosage and solution problems, administration of pharmacologic agents; pharmacokinetics and pharmacodynamics, and nasogastric tube placement.</td>
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<tr>
<td>EMS 244</td>
<td>Paramedic Clinical I</td>
<td>1 hour: 1P</td>
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<td>This course is directed toward the application of knowledge and skills developed in didactic and skills laboratory experiences to the clinical setting. Theory and skills are applied to a variety of patient situations in the clinical setting, with a focus on patient assessment and management, advanced airway management, electro-therapy, I.V./I.O. initiation and medication administration.</td>
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<tr>
<td>EMS 245</td>
<td>Paramedic Medical Emergencies</td>
<td>3 hours: 2T, 1L</td>
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<td>This course relates pathophysiology and assessment findings to the formulation of field impressions and implementation treatment plans for specific medical conditions. Content areas include: pulmonology, neurology, gastroenterology, renal/urology, toxicology, hematology, environmental conditions, infectious and communicable diseases, abuse and assault, patients with special challenges, and acute interventions for the chronic care patient.</td>
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<tr>
<td>EMS 246</td>
<td>Paramedic Trauma Management</td>
<td>3 hours: 2T, 1L</td>
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<td>This course relates pathophysiology and assessment findings to the formulation of field impressions and implementation of treatment plans for trauma patients. Content areas include the pathophysiology, assessment, and management of trauma as related to: trauma systems; mechanisms of injury; hemorrhage and shock; soft tissue injuries; burns; and head, facial, spinal, thoracic, abdominal, and musculoskeletal trauma.</td>
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<tr>
<td>EMS 247</td>
<td>Paramedic Special Populations</td>
<td>2 hours: 1T, 1L</td>
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<td>This course relates pathophysiology and assessment findings to the formulation of field impressions and implementation of treatment plans for specific medical conditions. Content areas include: endocrinology, allergies and anaphylaxis, behavioral/psychiatric conditions, gynecology, obstetrics, neonatology, pediatrics, and geriatrics. In the clinical setting, theory and skills are applied to a variety of medical situations across the life span of the patient, with a focus on communication with and management of cardiac, acute care, psychiatric/behavioral, obstetrical, newborn, pediatric, geriatric, and acute interventions for chronic care patients, and patients with special challenges.</td>
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<tr>
<td>EMS 248</td>
<td>Paramedic Clinical II</td>
<td>3 hours: 3P</td>
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<td>This course is required to apply for certification as a Paramedic. This course provides students with clinical education experiences to enhance knowledge and skills learned in EMS 245, 246, and 247 and knowledge and proficiency from previous clinical experiences. This course helps prepare students for the National Registry Paramedic Exam. The student will have the opportunity to use the basic and advanced skills of the Paramedic in the clinical setting under the direct supervision of licensed healthcare professionals. Requires licensure at the AEMT level.</td>
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<tr>
<td>EMS 253</td>
<td>Paramedic Transition to the Workforce</td>
<td>2 hours: 1T, 1L</td>
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<td></td>
<td>This course is designed to meet additional state and local educational requirements for paramedic practice. Content includes: ACLS, PALS or PEPP, ITLS or PHTLS, prehospital protocols, transfer drugs, and other courses as dictated by local needs or state requirement.</td>
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</tr>
<tr>
<td>EMS 254</td>
<td>Advanced Competencies for Paramedics</td>
<td>2 hours: 1T, 1L</td>
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<tr>
<td></td>
<td>This course is designed to assist students in preparation for the paramedic licensure examination. Emphasis is placed on validation of knowledge and skills through didactic review, skills lab performance, and/or computer simulation and practice testing. Upon course completion, students should be sufficiently prepared to sit for the paramedic licensure examination.</td>
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</tbody>
</table>
ENG 092 Basic English I 3 hours
This course is a review of basic writing skills and basic grammar. Emphasis is placed on the composing process of sentences and paragraphs in standard American written English. Students will demonstrate these skills chiefly through the writing of well-developed, multi-sentence paragraphs. NOTICE: This course produces institutional, non-transferable credit only and will not satisfy the requirements for degrees, certificates, and diplomas. Additionally, the grade a student earns in a developmental course (A, B, C, or U) does not factor into the student's GPA (grade point average).
ENG 093 Basic English II 3 hours
This course is a review of composition skills and grammar. Emphasis is placed on coherence and the use of a variety of sentence structures in the composing process and on standard American written English. Students will demonstrate these skills chiefly through the writing of paragraph blocks and short essays.
Prerequisite A grade of "S" (Satisfactory) in ENG 092 or a minimum score of 23 on the English writing section of the ACT COMPASS

ENG 101 English Composition I 3 hours
English Composition I provides instruction and practice in the writing of at least six (6) extended compositions and the development of analytical and critical reading skills and basic reference and documentation skills in the composition process. English Composition I may include instruction and practice in library usage.
Prerequisite Successful completion of ENG 093 or a score of 62 or better on the English writing section and successful completion of the reading section of the ACT COMPASS or a score of 20 or better on the ACT (or equivalent SAT score)

ENG 102 English Composition II 3 hours
English Composition II provides instruction and practice in the writing of six (6) formal, analytical essays, at least one of which is a research project using outside sources and/or references effectively and legally. Additionally, English Composition II provides instruction in the development of analytical and critical reading skills in the composition process. English Composition II may include instruction and practice in library usage.
Prerequisite A grade of "C" or better in ENG 101 or the equivalent

ENG 130 Technical Report Writing 3 hours
This course provides instruction in the production of technical and/or scientific reports. Emphasis is placed on research, objectivity, organization, composition, documentation, and presentation of the report. Students will demonstrate the ability to produce a written technical or scientific report by following the prescribed process and format. Prerequisite ENG 101 or the equivalent

ENG 131 Applied Writing I 3 hours
This course is a study of various types of written documents required in scientific, technical, and other specialized fields. Emphasis is placed on the production of such documents, including research, documentation, graphical displays, the abstract, appropriate diction, grammar, punctuation, and audience. Students will demonstrate the ability to produce effective reports, letters, memoranda, and similar documents.
Prerequisite Appropriate score on the English section of ACT COMPASS or equivalent

ENG 132 Applied Writing II 3 hours
A continuation of ENG131, this course is a study of various types of written documents required in scientific, technical, and other specialized fields. Emphasis is placed on the production of such documents, including research, documentation, and graphical displays, the abstract, appropriate diction, grammar, punctuation, and audience. Students will demonstrate the ability to produce effective reports, letters, memoranda, and similar documents.
Prerequisite ENG 131

ENG 246 Creative Writing I 3 hours each
These courses provide instruction and practice in the writing of critical analyses of imaginative forms of literature. Emphasis is placed on originality in the creative writing process, and this course may include instruction on publishing. Students will compose a significant body of imaginative literature, which may be ready by or to the class.
Prerequisite ENG 102 or permission of the instructor

ENG 247 Creative Writing II 3 hours each
These courses provide instruction and practice in the writing of critical analyses of imaginative forms of literature. Emphasis is placed on originality in the creative writing process, and this course may include instruction on publishing. Students will compose a significant body of imaginative literature, which may be ready by or to the class.
Prerequisite ENG 102 or permission of the instructor

ENG 248 Creative Writing III 3 hours each
These courses provide instruction and practice in the writing of critical analyses of imaginative forms of literature. Emphasis is placed on originality in the creative writing process, and this course may include instruction on publishing. Students will compose a significant body of imaginative literature, which may be ready by or to the class.
Prerequisite ENG 102 or permission of the instructor

ENG 249 Creative Writing IV 3 hours each
These courses provide instruction and practice in the writing of critical analyses of imaginative forms of literature. Emphasis is placed on originality in the creative writing process, and this course may include instruction on
This course is a survey of American literature from its inception to the middle of the nineteenth century. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. Prerequisite ENG 102 or equivalent

ENG 251 American Literature I 3 hours

ENG 252 American Literature II 3 hours

ENG 261 English Literature I 3 hours

ENG 262 English Literature II 3 hours

ENG 271 World Literature I 3 hours

ENG 272 World Literature II 3 hours

ENG 279 Directed Studies in Language and Literature 3 hours

ESL 010 Pronunciation &Listening I 3 hours each

ESL 011 Pronunciation & Listening II 3 hours each

ESL 012 Introduction to T.O.E.F.L. I 3 hours each
Upon completion, students will demonstrate improvement in test scores on the Test of English as a Foreign Language or equivalent test.

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits per Course</th>
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<tbody>
<tr>
<td>ESL 021</td>
<td>English Grammar / Structure II</td>
<td>3 hours each</td>
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<tr>
<td></td>
<td>These are beginning courses in American English grammar. ESL 021 is a level higher than ESL 020. Both provide instruction in the basics of English grammar and structure. Upon completion, students will demonstrate improvement in the use of standard American English grammar.</td>
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<tr>
<td>ESL 023</td>
<td>English Grammar / Structure IV</td>
<td>3 hours each</td>
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<td></td>
<td>These are intermediate courses in American English grammar. ESL 023 is a level higher than ESL 022. They provide a review of the basics of English grammar and structure, and introduce additional structures. Upon completion, students will demonstrate improvement in the use of American English grammar.</td>
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<tr>
<td>ESL 025</td>
<td>English Grammar / Structure VI</td>
<td>3 hours each</td>
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<tr>
<td></td>
<td>These are advanced courses in American English grammar. ESL 025 is a level higher than ESL 024. They provide a review of basic and intermediate English grammar and structure, and introduce additional advanced structures. Upon completion, students will demonstrate improvement in the use of American English grammar.</td>
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<tr>
<td>ESL 031</td>
<td>Composition II</td>
<td>3 hours each</td>
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<td></td>
<td>These are the beginning courses in writing for non-native speakers. These courses provide instruction in basic sentence patterns and progresses through fully developed paragraphs. Upon completion, students will demonstrate improvement in use of standard written English.</td>
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<tr>
<td>ESL 033</td>
<td>Composition IV</td>
<td>3 hours each</td>
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<td></td>
<td>These are the intermediate courses in writing for non-native speakers at a level higher than 031. These courses provide instruction in basic paragraphs with emphasis on style as well as grammatical construction. Upon completion, students will demonstrate improvement in use of standard written English.</td>
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<tr>
<td>ESL 035</td>
<td>Composition VI</td>
<td>3 hours each</td>
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<tr>
<td></td>
<td>These are the advanced courses in writing for non-native speakers at a level higher than 033. These courses provide instruction in basic paragraphs and progresses though fully developed essays with emphasis on style as well as grammatical construction. Upon completion, students will demonstrate improvement in use of standard written English.</td>
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<tr>
<td>ESL 041</td>
<td>Reading and Writing II</td>
<td>3 hours each</td>
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<td>These are beginning courses in reading and writing for non-native English speakers, with ESL 041 a level higher than ESL 040. They provide instruction in a variety of readings and instruction in basic writing skills. Upon completion, students will demonstrate improvement in English reading and comprehension, as well as improvement in English writing skills.</td>
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<tr>
<td>ESL 043</td>
<td>Reading and Writing IV</td>
<td>3 hours each</td>
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<td></td>
<td>These are intermediate courses in reading and writing for non-native English speakers, with ESL 043 a level higher than ESL 042. They provide instruction in a variety of readings and instruction in basic writing skills. Upon completion, students will demonstrate improvement in English reading and comprehension, as well as improvement in English writing skills.</td>
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<tr>
<td>ESL 045</td>
<td>Reading and Writing VI</td>
<td>3 hours each</td>
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<td></td>
<td>These are advanced courses in reading and writing for non-native English speakers, with ESL 045 as a level higher than ESL 044. They provide instruction in a variety of readings and instruction in basic writing skills. Upon completion, students will demonstrate improvement in English reading and comprehension, as well as improvement in English writing skills.</td>
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<tr>
<td>ESL 051</td>
<td>Conversational English II</td>
<td>3 hours each</td>
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<td>These are beginning courses in oral communication skills for non-native English speakers, with ESL 051 as a level higher than ESL 050. They provide instruction through practice dialogues and grammatical exercises, as well as through free conservation. Upon completion of both courses, students will show improvement in oral communication skills.</td>
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<tr>
<td>ESL 053</td>
<td>Conversational English IV</td>
<td>3 hours each</td>
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<td></td>
<td>These are intermediate courses in oral communication skills for non-native English speakers, with ESL 053 as a level higher than ESL 052. They provide instruction through practice dialogues and grammatical exercises, as well as through free conversation. Upon completion of both courses, students will show improvement in oral communication skills.</td>
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<tr>
<td>ESL 055</td>
<td>Conversational English VI</td>
<td>3 hours each</td>
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<td>These are advanced courses in oral communication skills for non-native English speakers, with ESL 055 a level higher than ESL 054. They provide instruction through practice dialogues and grammatical exercises, as well as through free conversation. Upon completion of both courses, students will show improvement in oral communication skills.</td>
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higher than ESL 054. They provide instruction through practice dialogues and grammatical exercises, as well as through free conversation. Upon completion of both courses, students will show improvement in oral communication skills.

**ESL 061  Beginning Vocabulary**  3 hours each  
This is the beginning level course in American English vocabulary. This course provides instruction in acquiring functional vocabulary. Upon completion, students will demonstrate an improvement in functional vocabulary retention and usage and knowledge of vocabulary learning strategies.

**ESL 063  Advanced Vocabulary**  3 hours each  
This is the advanced level course in American English vocabulary. ESL 063 is a level higher than ESL 062. This course provides instruction in acquiring academic vocabulary. Upon completion, students will demonstrate an improvement in advanced academic vocabulary retention and usage and knowledge of advanced vocabulary learning strategies.

**ETP 265  Entrepreneurial Marketing**  3  
This course is designed to help students learn about best practices in Entrepreneurial Marketing. Topics include the analysis of marketing opportunities, identification of the target audience, and the development of a marketing strategy, brand positioning and an integrated marketing plan. Upon completion, students should be able to demonstrate an understanding of marketing issues that are unique to new ventures and small business.

Prerequisite  As required by program.

**ETP 266  Entrepreneurial Finance**  3T  
This course is designed to teach students the accounting issues that are important to the business owner, not the accounting practitioner. Topics include start-up funding, sources of financing, identifying and preventing fraud, buying and valuing ventures, and harvesting the value created in business ventures. This course also covers the creation of personal financial statements and pro forma financial statements which are crucial components of a business plan.

Prerequisite  As required by program.

**ETP 267  Innovation and Creativity**  3T  
This course is designed to develop in students a mindset for thinking creatively and prepare them to create their own businesses or revitalize a business that has lost its direction by learning to observe things from different perspectives and to reason from different viewpoints in order to develop effective solutions to problems.

Prerequisite  As required by program.

**ETP 268  Business Planning**  3T  
This capstone course is designed to build upon information from previous courses. Students will complete a business plan, pieces of which were constructed in previous courses. Additionally, teams of students will compete in a business simulation. As a part of this activity, teams will submit regular "management" reports discussing the results of the decisions they have made. Upon completion, students will be prepared to lead their own venture.

Prerequisite  As required by program.

**ETP 279  Small Business Management**  3T  
This course provides an overview of the creation and operation of a small business. Topics include buying a franchise, starting a business, identifying capital resources, understanding markets, managing customer credit, managing accounting systems, budgeting systems, inventory systems, purchasing insurance, and the importance of appropriate legal counsel. Prerequisite  As required by program.

**FHS 101  Principles of Aquaculture**  3 hours: 2T, 1M  
This course is an introduction to aquaculture, including an examination of its origin and history, basic principles, and current trends. Students will study topics such as biological fundamentals of aquatic plants and animals, water management, growing and processing of aquaculture crops, and aquaculture management. This course also includes hands-on activities, laboratory activities, and fieldwork. Upon completion, students should be familiar with the aquaculture industry and basic culture principles of aquatic organisms.

**FHS 102  Water Chemistry for Aquaculture**  3 hours: 2T, 1M  
This course introduces students to those aspects of water quality considered most important to the aquaculturist, including dissolved oxygen, pH, alkalinity, water hardness, and salinity. Students will study topics such as the importance of water quality, the effects of environment on water quality, and ways of monitoring and maintaining water quality. In addition to theory this course includes hands-on activities, laboratory testing, aquarium/pond maintenance and fieldwork. Upon completion, students should be familiar with field and laboratory techniques involved in the collection, analysis, and reporting of data using water quality instrumentation.

**FHS 112  Biology and Diseases of Aquaculture Species**  3 hours: 2T, 1M  
This course introduces students to the general biology and diseases of commercially important finfish and crustacean species.
species. Students will study topics such as anatomy, physiology, nutrition, and reproduction in normal fish or crustaceans and in animals infected with disease agents such as bacteria, viruses, or protozoans. This course also includes hands-on activities, dissection, laboratory activities and fieldwork. Upon completion, students should be able to diagnose sick aquatic organisms, to identify the disease-causing pathogens, and to treat or to prevent further disease problems.

FHS 114 Aquaculture Hatchery / Pond Management 3 hours: 2T, 1M
This course is an introduction to contemporary hatchery and pond management issues. Students will study topics such as breeding strategies for indoor culture, system designs for indoor culture, fry and fingerling production, harvesting, and processing. This course also includes hands-on activities, hatchery activities and fieldwork. Upon completion, students should be able to culture various commercially important species, such as channel catfish, tilapia, and freshwater shrimp.

FHS 140 Aquaculture Practicum 3 hours: 3M
This course provides students the opportunity to apply previously-learned aquaculture techniques in a functional setting. Upon completion, students should have refined their job skills necessary to compete in today's aquaculture industry.

FHS 141 Aquaculture Practicum II 2 hours: 2M
This course provides students the continuing opportunity to apply previously learned aquaculture techniques in a functional setting and extends the practical lessons begun in FHS 140.

FHS 200 Zebrafish Husbandry for Research 3 hours: 3T
This online course is a detailed introduction to the husbandry of zebrafish used in the research setting. The course contains 30 video presentations and online quizzes covering all major aspects of zebrafish husbandry including: water quality, systems and filtration, colony management and nutrition, diseases, and regulatory compliance and facilities. Students completing this course will have exposure to all major aspects of zebrafish husbandry in the research setting.
Cross cards.

**HED 231 First Aid**
3 hours
This course provides instruction for the immediate, temporary care that should be given to the victims of accidents and sudden illness. Emphasis is placed on standard and advanced requirements of the American Red Cross and/or the American Heart Association. CPR training is also included.

**HED 232 Care and Prevention of Athletic Injuries**
3 hours (3-0)
This course provides a study of specific athletic injuries, their treatment, and preventive measures.

**HED 277 CPR Recertification**
1 hour
This course presents instruction and review of up-to-date information concerning cardiopulmonary resuscitation (CPR). Students must demonstrate the skills needed to meet the requirements for recertification in Basic Cardiac Life Support (BCLS) as required by the American Heart Association.

**HIS 101 Western Civilization I**
3 hours
This course is a survey of social, intellectual, economic, and political developments that have molded the modern western world. The course covers the ancient and medieval periods and concludes in the era of the Renaissance and Reformation.

**HIS 102 Western Civilization II**
3 hours
This course is a continuation of HIS 101; it surveys the development of the modern western world from the era of the Renaissance and Reformation to the present.

**HIS 121 World History I**
3 hours
This course surveys social, intellectual, economic, and political developments which have molded the modern world. Focus is on both non-western and western civilizations from the prehistoric to the early modern era.
Prerequisite As required by program

**HIS 122 World History II**
3 hours
This course is a continuation of HIS 121; it covers world history, both western and non-western, from the early modern era to the present. The course surveys social, intellectual, economic, and political developments which have molded the modern world. Focus is on both non-western and western civilizations from the early modern era to the present. Prerequisite As required by program

**HIS 201 United States History I**
3 hours
This course surveys United States history during the colonial, revolutionary, early national, and ante-bellum periods. It concludes with the Civil War and Reconstruction.

**HIS 202 United States History II**
3 hours
This course is a continuation of HIS 201; it surveys United States history from the Reconstruction era to the present.

**HIS 216 History of World Religions**
3 hours
This course presents a comparison of the major religions of the world from a historical perspective. Emphasis is placed on the origin, development, and social influence of Christianity, Judaism, Islam, Hinduism, Buddhism, and others.

**HIS 256 African-American History**
3 hours
This course focuses on the experience of African-American people in the western hemisphere, particularly the United States. It surveys the period from the African origins of the slave trade during the period of exploration and colonization to the present. The course presents a comparison between the African experience in the United States and in Mexico and South America.

**HIS 260 Alabama History**
3 hours
This course surveys the development of the state of Alabama from pre-historic times to the present. The course presents material on the discovery, exploration, colonization, territorial period, ante-bellum Alabama, reconstruction, and modern history.

**HIT 134 HIT Legal and Ethical Issues**
3 hours: T
This course is a review of the legal aspects applicable to health information. The course focuses on the health record as a legal document, legal principles, patient rights/advocacy issues, definition and application of professional ethics, privacy, and release of information and confidentiality of health information. Student outcomes include demonstration of the use of legal vocabulary and application of release of information guidelines. Prerequisite HIT 153 Health Care Delivery Systems

**HIT 151 Health Data Content and Structure**
3 hours: 3T
This course is an introduction to the health information technology (HIT) profession and its basic skill requirements.
The course includes an introduction to the content, use and structure of health care data and data sets and how these components relate to primary and secondary record systems. Student outcomes include mastery of basic quantitative and qualitative analysis, registries and indexes. Prerequisite HIT 153 Health Care Delivery Systems

**HIT 153 Health Care Delivery Systems** 2 hours: 2T

This course includes a review of health care delivery systems. Course focus is on information management practices of agencies that provide health services in ambulatory care, home health care, hospice, long term care, mental health, and other alternate care system. Student competency includes the ability to describe and contrast the structure of health services in relation to operational and accrediting agency standards, and the role of the health information practitioner in each of these settings.

**HIT 230 Medical Coding Systems I** 3 hours: 3T

This course is intended to develop an understanding of coding and classification systems in order to assign valid medical codes. Instruction includes description of classification and nomenclature systems; coding diagnoses and/or procedures; sequencing codes; analyzing actual medical records to identify data elements to be coded; and validating coded clinical information. Student competency includes demonstration of coding principles and applications (manual and/or computer assisted).

Prerequisite BIO 120 Medical Terminology  Corequisite HIT 231  **CORE**

**HIT 231 Medical Coding Skills Laboratory** 1 hours: 3S

This course provides laboratory practice in medical coding. The course allows the student to become proficient at skills learned in classification and coding systems theory classes. Student competency is demonstrated by accuracy in medical coding.

Prerequisite HIT 230 Medical Coding Systems I and HIT 231 Medical Coding Skills Lab  Corequisite HIT 232  **CORE**

**HIT 232 Medical Coding Systems II** 3 hours: 3T

This course is a continuation of Medical Coding Systems I which is intended to develop an understanding of coding and classification systems in order to assign valid medical codes. Instruction includes coding diagnoses and/or procedures; sequencing codes; analyzing actual medical records to identify data elements to be coded; validating coded clinical information. Student competency includes demonstration of coding principles and applications (manual and/or computer assisted).

Prerequisite HIT 230 Medical Coding Systems I and HIT 231 Medical Coding Skills Lab  Corequisite HIT 233  **CORE**

**HIT 233 Medical Coding Skills Laboratory** 1 hours: 3S

This course provides laboratory experience in medical coding. The course allows the student to become proficient at skills learned in medical coding systems theory classes. Student competency is demonstrated by accuracy and speed in medical coding simulation.

Prerequisite HIT 230 Medical Coding Systems and HIT 231 Medical Coding Skills Lab  Corequisite HIT 232

**HIT 254 Organizational Improvement** 3 hours: 3T

This course is a study of the purpose and principles of improving organizational performance through quality assessment and utilization management. Topics include use of quality improvement tools; data collection, display, analysis, and reporting methods; resource and risk management techniques; healthcare statistics; and application of accreditation and licensing standards. Student outcomes include demonstrated proficiency in the use of quality improvement techniques and application of accrediting agency standards. Prerequisite HIT 153 Health Care Delivery Systems

**HIT 295 Special Topics in HIT III** 3 hours: 3T

This course includes specialized study on current topics and issues in the field of health information technology. Health information topics discussed may include quality assessment, emerging technology, security and control programs risk assessment, and/or data analysis techniques. Student outcomes include demonstrated understanding of the topics covered in this course. Prerequisite HIT 153 Health Care Delivery Systems

**HPS 100 Safety Issues for Clinical Practice** 1 hour: 1T

This course focuses on microbial and physical safety for clinical practice. Emphasis is placed on guidelines established by the Occupational Safety and Health Administration (OSHA) and the Alabama State Department of Public Health; topics include prevention of transmission of blood-borne and air-borne pathogens, as well as prevention of injuries during clinical practice. Upon completion of this course, the student should be able to participate in the clinical setting implementing measures that will prevent injuries and using appropriate universal precautions.

**HPS 103 Foundation Competencies for Health Sciences** 3 hours: 3T

This course is designed to assist the student in developing the knowledge, skills, and abilities necessary to be successful in health-related disciplines. Content focuses on development and use of effective study and test-taking skills, assertiveness training, stress management, values clarification, diversity, ethical-legal concepts, problem-solving and communication skills. Upon completion of this course, the student will demonstrate the knowledge, skills,
and abilities needed to be successful in the student role.

**HPS 105  Medical Terminology**

This course is an application for the language of medicine. Emphasis is placed on terminology associated with health care, spelling, pronunciation, and meanings associated with prefixes, suffixes, and roots as they relate to anatomical body systems. Upon completion of this course, the student should be able to correctly abbreviate medical terms and appropriately use medical terminology in verbal and written communication.

**HPS 117  Phlebotomy**

This course is designed to train individuals to properly collect and process blood and other clinical specimens for laboratory testing and to interact with health care personnel, clients, and the general public. Presentation includes equipment and additives, basic anatomy, and techniques for safe and effective venipuncture. The phlebotomy clinical will be supervised practicum within the clinical setting that provides laboratory practice in phlebotomy. Emphasis will be placed on collection techniques, specimen processing, work flow practices, referrals, and utilizing laboratory information systems. This course will prepare individuals to write the Phlebotomist Certification Examination.

**HPS 122  CPR, First Aid, Infection Prevention, and Safety Issues**

This course focuses on administration of cardiopulmonary resuscitation, first aid techniques, prevention of infection and prevention of injuries in the clinical setting. Emphasis is placed on airways, and infant and child CPR. First aid topics include first aid care for bleeding wounds, poisoning, soft tissue and bone injuries, fractures, insect stings, animal bites, minor burns, hot and cold related injuries, and other medical emergencies. Infection prevention includes the study of pathological organisms as related to health, illness, and study of the chain of infection. Other topics include clean and sterile techniques, universal precautions, and medical isolation. Emphasis is also placed on the guidelines established by Occupational Safety and Health Administration (OSHA) and the Alabama State Department of Public Health. Topics include prevention of transmission of blood-borne and airborne pathogens as well as prevention of injuries during clinical practice. Upon completion of this course the student should be able to practice safely in the clinical setting by promoting safety, and prevention of infection and responding.

**HPS 124  Personal and Professional Development**

This course is designed to assist the student in preparing for a job search as well as developing the skills to be a successful employee. Emphasis is on communication skills, developing resumes, improving interview techniques, setting career goals, conducting job searches, as well as self-esteem and improving personal and professional image. The concept of wellness and the role stress and stress management play in personal wellness and the job performance are examined. Problem solving, conflict resolution and decision-making skills are emphasized as well as work ethic and time management in the role of a successful employee. Upon completion, the student will be able to demonstrate confidence in seeking employment, preparing a professional development plan and possessing valuable skills as an effective employee.

**HUM 101  Introduction to Humanities I**

This is the first course in a two-semester sequence which offers the student an introduction to the humanities using selections from art, music, literature, history, religion, and philosophy which relates to a unifying theme.

**Prerequisite**
As required by program

**HUM 102  Introduction to Humanities II**

This is the second course in a two-semester sequence which offers the student an introduction to the humanities using selections from art, music, literature, history, religion, and philosophy which relates to a unifying theme.

**Prerequisite**
As required by program

**HUM 299  Directed Studies in the Humanities**

This course provides an opportunity for the student to study selected topics in the area of the humanities under the supervision of a qualified instructor. The specific topics will be determined by the interests of the students and faculty.

**HUS 101  Introduction to Human Services**

This course provides an introduction to human services and related theories and systems. Emphasis is placed on the roles and functions within the existing human services organizations by utilizing service learning or field trips to the different organizations, and guest lecturers representing different human service occupations. Upon completion of this course, students should be familiar with the many agencies and institutions which deliver human services and the components of their delivery systems.

**Prerequisite**
Admission to Human Services Program and permission of instructor

**HUS 102  Introduction to Casework**

In this course the basic principles and procedures in problem resolution are examined through the presentation of cases, problems, and solutions. Emphasis is placed on the application and effective role of the case aide. Upon
The completion of this course, the student will be familiar with the procedures for making referrals and sharing information with the professional staff. **Prerequisite** Admission to Human Services Program and permission of instructor

**HUS 110 Special Education Issues and Interventions** 3 hours: 3T
This course is designed to present basic concepts and practices in special education. Emphasis is placed on the acceptance of persons with disabilities and/or special instruction needs. The use of behavior modification and other behavioral training techniques will be included. Upon completion of this course, the student should be able to optimize learning opportunities for the gifted/talented student and to utilize techniques to enhance the quality of life for persons with disabilities. **Prerequisite** Admission to Human Services Program and permission of instructor

**HUS 112 Activity Therapy** 3 hours: 3T
This course provides an overview of various activity therapies. Emphasis is on the use of activity therapies to increase self-esteem, dignity, social interaction and for physical, social, emotional and intellectual development. Upon completion of this course, the student will be able to present different therapies and techniques for use in agencies, hospitals, and other settings. **Prerequisite** Admission to Human Services Program and permission of instructor

**HUS 113 Group Dynamics** 3 hours: 3T
This course introduces the concepts related to the functioning of small and large groups. Emphasis is on understanding of the behavior and the role of the group leader and members in the group process. The effects of verbal and non-verbal communication on behavior are included. Upon completion of this course, the student should have an understanding of the role and function of groups, both as a member and facilitator. **Prerequisite** Admission to Human Services Program and permission of instructor

**HUS 131 Problems of Children and Youth** 3 hours: 3T
This course provides the student with an understanding of the emotional, social, psychological, and physical needs of children and youth. Emphasis is placed on the influences and responsibilities of natural and surrogate parents and the nature and cause of the more common problems of children and youth. Upon completion of this course, the student should be able to assist with problem prevention and common problem resolution for these age groups. **Prerequisite** Admission to Human Services Program and permission of instructor

**HUS 133 Geriatrics** 3 hours: 3T
This course introduces the need for making adjustments to retirement. Course topics include activities, hobbies and community agencies available for the aged. Emphasis is placed on common psychological and physical problems for the aging. Upon completion of this course, the student will have learned the many services available to the elderly and techniques to help them accept the changes in later life. **Prerequisite** Admission to Human Services Program and permission of instructor

**HUS 138 Counseling from a Cultural Perspective** 3 hours: 3T
This course introduces problems facing minorities and the importance of the counselor's knowledge of, and sensitivity to, the minority client experience. Emphasis is placed on how the counselor and mental health practitioner can maximize effectiveness when working with a culturally diverse population. Upon completion of this course, the student will have an understanding of how to establish a counseling relationship with culturally diverse clients. **Prerequisite** Admission to Human Services Program and permission of instructor

**HUS 211 Introduction: Alcohol and Drug Prevention and Abuse** 3 hours: 3T
This course is an introduction to the factors involved in the prevention, use, and abuse of alcohol and drugs. Emphasis is on a basic orientation to the field of alcohol and drug education and treatment. Upon completion of this course, the student will be aware of the importance of the historical, physiological, sociological, psychological and economic factors involved in substance abuse. **Prerequisite** Admission to Human Services Program and permission of instructor

**HUS 212 Prevention Resources in Drug and Alcohol Abuse** 3 hours: 3T
This course will examine the roles and functions of helping professionals and paraprofessionals concerned with prevention of and solutions to alcohol and drug abuse. Emphasis will be placed on abuse as a community problem and the need for organized efforts toward prevention. Topics will include local, state and federal alcohol and drug abuse prevention programs. Upon completion of this course the student will be able to utilize available material in creating new approaches to educating the community, group, and individuals in the area of alcohol abuse. The student will also have an awareness of resources available and the need for community, regional and state cooperation in abuse prevention. **Prerequisite** Admission to Human Services Program and permission of instructor

**HUS 214 Working with the Chemically Dependent** 3 hours: 3T
This course introduces the purpose, structure and techniques employed in working with the chemically dependent and other persons involved. Emphasis is placed on the role of the helper(s) as well as the professional obligation of the counselor. Upon completion of this course, the student will be familiar with classical therapy techniques as well as
more current approaches. **Prerequisite** Admission to Human Services Program and permission of instructor

**HUS 215 Working with the Family of the Chemically Dependent** 3 hours: 3T
This course provides an in-depth study of the therapeutic techniques used in working with the family of the chemically dependent with careful exploration given to the psychodynamics of family interaction. Topics include the etiology, perpetuation, and treatment of alcoholism. Emphasis is placed on family and group counseling techniques. Upon completion the student will have the ability to conduct therapeutic sessions with the family of the chemically dependent. **Prerequisite** Admission to Human Services Program and permission of instructor

**HUS 216 Relapse Prevention** 3 hours: 3T
This course focuses on information needed to prevent an addiction relapse. Topics include identifying client needs and assisting in utilizing available support systems and community resources. Emphasis will be placed on procedures and strategies utilized by a counselor to identify client high risk situations, triggers, warning signs, coping skills, strengths and weaknesses. Upon completion the student will be able to work with a client to establish immediate and long term goals, treatment plans, resources, and coping skills necessary to prevent relapse. **Prerequisite** Admission to Human Services Program and permission of instructor

**HUS 217 Alcoholism and Drug Abuse Seminar** 3 hours: 3T
This course provides a review of research in the field of alcoholism and drug abuse. Emphasis is placed on current trends and issues within the field. Upon completion of this course, the student will be able to discuss current research, both orally and in writing. **Prerequisite** Admission to Human Services Program and permission of instructor

**HUS 222 Group Counseling Techniques** 3 hours: 3T
This course provides instruction on group techniques used for facilitating individuals in seeking a variety of social experiences and interests. Emphasis is placed on meeting needs such as status, security and other emotional feelings in a non-threatening atmosphere. Upon completion of this course the student will have attained leadership techniques and skills that enable them to effectively work through the group process. **Prerequisite** Admission to Human Services Program and permission of instructor

**HUS 223 Guidance and Counseling Technique** 3 hours: 3T
This course provides an introduction to the role and function of guidance and counseling with various types of clients. Emphasis is placed on the different models of behavior. **Prerequisite** Admission to Human Services Program and permission of instructor

**HUS 224 Clinical Internship I** 3 hours: 15CI
This course includes field experience in agencies, treatment centers, hospitals, institutions, outpatient clinics, etc. Emphasis is placed on “hands-on” experience under the supervision of professional staff workers. Upon completion of this course, the student will have an understanding of the role of the human service worker through an observational experience with professional staff. **Prerequisite** Admission to Human Services Program and advisor approval

**HUS 225 Clinical Internship II** 3 hours: 15CI
This course includes field experience in agencies, treatment centers, hospitals, institutions, outpatient clinics, etc. Emphasis is placed on implementing previously learned theory and techniques. The student will work under the supervision of the agency’s professional staff. Upon completion of this course, the student will be able to apply theories and techniques to practice in the clinical setting. **Prerequisite** Admission to Human Services Program and advisor approval

**HUS 226 Clinical Internship III** 3 hours: 15CI
This course provides additional field experience in agencies, treatment centers, hospitals and other treatment facilities. Emphasis is placed on implementing previously learned theory and techniques under the supervision of the agency’s professional staff. Upon completion of this course, the student will be able to apply theories and techniques to practice in the clinical setting. **Prerequisite** Admission to Human Services Program and advisor approval

**IDS 115 Forum** 1 hour
In this course, credit is given in recognition of attendance at academic lectures, concerts, and other events. IDS 115 requires attendance at designated events chosen from various lectures, cultural events, and other programs given at the college or in the community. Students may repeat this course for credit.

**IDS 200 College Scholars Bowl Workshop** 1 hour
This course offers the student preparation, practice, and participation in the College Scholars Bowl program and competition. Students may repeat this course for credit.

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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Lec</th>
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<tr>
<td>INT 101</td>
<td>DC Fundamentals</td>
<td>3</td>
<td>2T</td>
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<td>This course provides an in depth study of direct current (DC)</td>
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<td></td>
<td>electronic theory. Topics include atomic theory, magnetism,</td>
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<td>properties of conductors and insulators, and characteristics</td>
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<td>of series, parallel, and series-parallel circuits. Inductors</td>
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<td>and capacitors are introduced and their effects on DC circuits</td>
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<td></td>
<td>are examined. Students are prepared to analyze complex DC</td>
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<td>circuits, solve for unknown circuit variables and to use</td>
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<td>basic electronic test equipment. This course also provides</td>
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<td>hands on laboratory exercises to analyze, construct, test,</td>
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<td>and troubleshoot DC circuits. Emphasis is placed on the use</td>
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<td>of scientific calculator and the operation of common test</td>
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<td>equipment used to analyze and troubleshoot DC and to prove</td>
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<td>the theories taught during classroom instruction.</td>
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<td>Prerequisite</td>
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<td>INT 103</td>
<td>AC Fundamentals</td>
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<td>2T</td>
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<td>This course provides an in depth study of alternating current</td>
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<td>(AC) electronic theory. Students are prepared to analyze</td>
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<td>complex AC circuit configurations with resistors, capacitors,</td>
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<td>and inductors in series and parallel combinations. Topics</td>
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<td>include electrical safety and lockout procedures, specific</td>
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<td>AC theory functions such as RLC, impedance, phase</td>
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<td>relationships, and power factor. Students will be able to</td>
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<td>define terms, identify waveforms, solve complex mathematical</td>
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<td>problems, construct circuits, explain circuit characteristics,</td>
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<td>identify components, and make accurate circuit measurements</td>
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<td>using appropriate measurement instruments. They should also</td>
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<td>be able to perform fundamental tasks associated with</td>
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<td></td>
<td>troubleshooting, repairing, and maintaining industrial AC</td>
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<td></td>
<td>systems.</td>
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<td>Prerequisite</td>
<td>INT 101</td>
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<tr>
<td>INT 104</td>
<td>Principles of Technology</td>
<td>3</td>
<td>2T</td>
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<td></td>
<td>This course provides an introduction to the application of</td>
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<td></td>
<td>the principles of physics in technology. Topics include</td>
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<td>fundamentals of mechanics, properties of matter, heat and</td>
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<td>temperature, electricity and magnetism, optics, and modern</td>
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<td>physics.</td>
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<td>Prerequisite</td>
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<tr>
<td>INT 113</td>
<td>Industrial Motor Control I</td>
<td>3</td>
<td>1T</td>
<td>4L</td>
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<tr>
<td></td>
<td>This course is a study of the construction, operating</td>
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<td>characteristics, and installation of different motor control</td>
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<td>circuits and devices. Emphasis is placed on the control of</td>
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<td>three phase AC motors. This course covers the use of motor</td>
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<td>control symbols, magnetic motor starters, running overload</td>
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<td></td>
<td>protection, pushbutton stations, multiple control stations,</td>
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<td>two wire control, three wire control, jogging control,</td>
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<td>sequence control, and ladder diagrams of motor control</td>
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<td>circuits. Upon completion, students should be able to</td>
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<td>understand the operation of motor starters, overload</td>
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<td></td>
<td>protection, interpret ladder diagrams using pushbutton</td>
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<td>stations and understand complex motor control diagrams.</td>
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<tr>
<td>INT 117</td>
<td>Principles of Industrial Mechanics</td>
<td>3</td>
<td>2T</td>
<td>3L</td>
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<tr>
<td></td>
<td>This course provides instruction in basic physics concepts</td>
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<td></td>
<td>applicable to mechanics of industrial production equipment.</td>
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<td></td>
<td>Topics include the basic application of mechanical principles</td>
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<td>with emphasis on power transmission, specific mechanical</td>
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<td>components, alignment, and tension. Upon completion, students</td>
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<td></td>
<td>will be able to perform basic troubleshooting, repair, and</td>
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<td>maintenance functions on industrial production equipment.</td>
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<tr>
<td>INT 118</td>
<td>Fundamentals of Industrial Hydraulics and Pneumatics</td>
<td>3</td>
<td>2T</td>
<td>3L</td>
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<tr>
<td></td>
<td>This course includes the fundamental concepts and theories</td>
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<td>for the safe operation of hydraulic and pneumatic systems</td>
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<td>used with industrial production equipment. Topics include</td>
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<td>the physical concepts, theories, laws, air flow</td>
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<td>characteristics, actuators, valves, accumulators, symbols,</td>
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<td>circuitry, filters, servicing safety, and preventive</td>
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<td>maintenance and the application of these concepts to</td>
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<td>perform work. Upon completion, students should be able to</td>
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<td></td>
<td>perform preventive maintenance functions on hydraulic and</td>
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<td>pneumatic systems.</td>
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<tr>
<td>INT 126</td>
<td>Preventive Maintenance</td>
<td>3</td>
<td>1T</td>
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<td>This course focuses on the concepts and applications of</td>
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<td>preventive maintenance. Topics include the introduction of</td>
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<td>alignment equipment, job safety, tool safety, preventive</td>
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<td></td>
<td>maintenance concepts, procedures, tasks, and predictive</td>
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<td>maintenance concepts. Upon course completion, students will</td>
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<td>demonstrate the ability to apply proper preventive</td>
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<td>maintenance and explain predictive maintenance concepts.</td>
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<td>Prerequisite</td>
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<tr>
<td>INT 127</td>
<td>Principles of Industrial Pumps and Piping Systems</td>
<td>3</td>
<td>2T</td>
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<td></td>
<td>This course provides instruction in the fundamental concepts</td>
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<td>of industrial pumps and piping systems. Topics include pump</td>
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<td>identification, operation, and installation; maintenance</td>
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<td>and troubleshooting; and piping systems and their</td>
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<td>installation. Upon course completion, students will be able</td>
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<td>to install, maintain, and troubleshoot industrial pumps and</td>
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<td>piping systems.</td>
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<td>Prerequisite</td>
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<tr>
<td>INT 128</td>
<td>Principles of Industrial Environmental Controls</td>
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<td>2T</td>
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<td></td>
<td>This course focuses on basic knowledge and skills to service</td>
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<td>and perform routine troubleshooting, maintenance, and</td>
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<td>adjustments of HVACR systems in an industrial environment.</td>
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<td>After completion, students will be able to perform</td>
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routine, low-level maintenance on institutional environmental systems. Additionally, students receive instruction to complete the EPA 608 certification examination. Prerequisite As determined by College

INT 134 Principles of Industrial Maintenance Welding and Metal Cutting Techniques 3 hours: 2T, 2L
This course provides instruction in the fundamentals of acetylene cutting and the basics of welding needed for the maintenance and repair of industrial production equipment. Topics include oxy-fuel safety, choice of cutting equipment, proper cutting angles, equipment setup, cutting plate and pipe, hand tools, types of metal welding machines, rod and welding joints, and common welding passes and beads. Upon course completion, students will demonstrate the ability to perform metal welding and cutting techniques necessary for repairing and maintaining industrial equipment. Prerequisite As required by College. CORE

INT 139 Introduction to Robotic Programming 3 hours: 1T, 4L
This course provides an introduction to robotic programming. Emphasis is placed on but not limited to the following: Safety, motion programming, creating and editing programs, I/O instructions, macros, program and file storage. Upon completion the student will be able to safely perform basic functions in the work cell as well as program a robot to perform simple functions. Prerequisite As determined by college

INT 153 Precision Machining Fundamentals I 3 hours: 2T, 2L
This course focuses on metal cutting machines used to make parts and tools. Topics include lathes, mills, drills, and presses. Upon course completion, students will have the ability to use precision measurement instruments and to read mechanical drawings. Prerequisite As determined by College

INT 158 Industrial Wiring I 3 hours: 1T, 4L
This course focuses on principles and applications of commercial and industrial wiring. Topics include electrical safety practices, an overview of National Electric Code requirements as applied to commercial and industrial wiring, conduit bending, circuit design, pulling cables, transformers, switch gear, and generation principles. Prerequisite As determined by College

INT 180 Special Topics 2 hours: 4L
This course is designed to allow students an opportunity to study directly related topics of particular interest which require the application of technical knowledge and technical skills. Emphasis is placed on the application of skills and knowledge with practical experiences. Upon completion, students should be able to solve job-related problems using technical skills and knowledge. Prerequisite As required by program

INT 184 Introduction to Programmable Logic Controllers 3 hours: 2T, 3L
This course provides an introduction to programmable logic controllers. Emphasis is placed on, but not limited to, the following: PLC hardware and software, numbering systems, installation, and programming. Upon completion, students must demonstrate their ability by developing, loading, debugging, and optimizing PLC programs. Prerequisite As required by College.

INT 206 Industrial Motors I 3 hours: 1T, 4L
This course focuses on basic information regarding industrial electrical motors. Upon completion students will be able to troubleshoot, remove, replace, and perform routine maintenance on various types of motors. Prerequisite As determined by College

INT 211 Industrial Motors II 3 hours: 1T, 4L
This course focuses on advanced information regarding industrial electrical motors. Upon completion students will be able to troubleshoot, remove, replace, and perform advanced maintenance on various types of motors. Prerequisite As determined by College

INT 252 Variable Speed Motor Drives 3 hours: 2T, 2L
This course provides instruction in the fundamentals of variable speed drives, industrial motors, and other applications of variable speed drives. Topics include fundamentals of variable speed control, AC frequency drives, DC variable speed drives, installation procedures, and ranges. Upon course completion, students will understand the principles of operation of variable speed drive systems, function of components of each system, set-up and installation and troubleshooting techniques for variable speed drives. Prerequisite As required by college

INT 253 Industrial Robotics 3 hours: 2T, 2L
This course provides instruction in concepts and theories for the operation of robotic servo motors and power systems used with industrial robotic equipment. Emphasis is on the application of the computer to control power systems to perform work. Student competencies include understanding of the functions of hydraulic, pneumatic, and electrical power system components, ability to read and interpret circuitry for proper troubleshooting and ability to perform preventative maintenance. Prerequisite As required by college

INT 254 Robot Maintenance and Troubleshooting 3 hours: 2T, 2L
This course introduces principle concepts troubleshooting and maintenance of robots. Topics include Recognize and describe major robot component. Students will learn to diagnose robot mechanical problems to the component level, replacement of mechanical components and perform adjustments, troubleshooting class 1, 2, and 3 faults, to manipulate I/O for the robot, and periodic and preventive maintenance. Students will learn how to safely power up robots for complete shutdown and how to manipulate robots using the teach pendant. Upon completion students will be able to describe the various robot classifications, characteristics, explain system operations of simple robots, and maintain robotic systems.

Prerequisite As required by college

INT 280 Special Topics in Industrial Maintenance Technology 3 hours: 3T
This course provides specialized instruction in various areas related to industrial maintenance. Emphasis is placed on meeting students' needs. Prerequisite As required by program

INT 291 Cooperative Education 3 hours: 15i
This course provides students work experience with a college-approved employer in an area directly related to the student's program of study. Emphasis is placed on integrating classroom experiences with work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. Prerequisite Permission of instructor.

INT 292 Cooperative Education 3 hours: 15i
This course provides students work experience with a college-approved employer in an area directly related to the student's program of study. Emphasis is placed in integrating classroom experiences with work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. Prerequisite Permission of instructor.

INT 293 Cooperative Education 3 hours, 15i
This course provides students work experience with a college-approved employer in an area directly related to the student's program of study. Emphasis is placed on integrating classroom experiences with work experience. Upon completion, students should be able to evaluate career selection, demonstrate employability skills, and satisfactorily perform work-related competencies. Prerequisite Permission of instructor.

JAP 101 Introductory Japanese I 4 hours
This course provides an introduction to Japanese. Topics include the development of basic communication skills and the acquisition of basic knowledge of the cultures of Japanese-speaking areas.

JAP 102 Introductory Japanese II 4 hours
This continuation course includes the development of basic communication skills and the acquisition of basic knowledge of the cultures of Japanese-speaking areas. Prerequisite JAP 101 or equivalent

MAH 101 Introductory Mathematics I 3 hours: 2T, 2E
This course is a comprehensive review of arithmetic with basic algebra designed to meet the needs of certificate and diploma programs. Topics include business- and industry-related arithmetic and geometric skills used in measurement, ratio and proportion, exponents and roots, applications of percent, linear equations, formulas, and statistics. Upon completion, students should be able to solve practical problems in their specific occupational areas of study.

Prerequisite A grade of "C" (75 or above required within the Division of Mathematics) or higher (S if taken as pass/fail) in MTH 090 (Basic Mathematics) or appropriate mathematics placement score. This course does not satisfy the general education components for a degree

MDT 105 Introduction to Computer-Aided Design (CAD) 3 hours: 2T, 2L
This course teaches the basic techniques and concepts used in setting up a computer-aided software program on a personal computer to make technical drawings. Students use AutoCAD in application of drawing / design techniques. Students will be expected to draw proper basic multi-view drawings using AutoCAD by the completion of the course.

CORE

MDT 111 Mechanical Drawing 3 hours: 2T, 2L
This course covers the basic principles and practices in mechanical drafting / design, incorporating the use of computer-aided drafting equipment. The use of proper lines, dimensions, and notations is covered in regard to multi-view orthographic drawings. Students will be expected to draw the proper views of objects using computer-aided drafting software.

CORE

MDT 122 Architectural Drawing 3 hours: 2T, 2L
This course covers the basics of architectural drawings related to residential and small commercial applications, using computer-aided drafting equipment. Topics covered will be basic floor plans, light construction methods and materials, roofs, stair construction, layout, utilities, windows, doors, wall, and necessary detail drawings. The student
will be expected to make basic architectural drawings using computer-aided software.

**Prerequisite** MDT 105 \( \text{CORE} \)

**MDT 123 Architectural Drawing II** 3 hours: 2T, 2L
This course covers the basics of architectural drawings related to residential, small commercial and industrial applications using computer-aided drafting equipment. Topics covered will be basic floor plans, light construction methods and materials, roofs, stair construction, layout, utilities, windows, doors, wall, and necessary detail drawings. The student will be expected to make basic architectural drawings using computer-aided software.

**Prerequisite** MDT 105

**MDT 146 AutoCAD CADD** 3 hours: 2T, 2L
This course covers the concepts and commands necessary to use AutoCAD software for computer-aided drafting/design purposes. Topics include basic screen features, equipment, software limitations, view presentations, plotting of drawings, and scaling as applied to basic drafting/design technical drawings. The students will be expected to use the AutoCAD software commands and the computer equipment to start and complete basic multi-view drawings.

**Prerequisite** MDT 105

**MDT 147 Inventor CADD** 3 hours: 2T, 2L
In this course students will use the beginning and intermediate techniques of Inventor computer-aided drafting/design software to develop and render 3-D solids. Topics include Sketching, 3-modeling commands, specialized software applications development of 2-D drawings from the 3-D models, rendering and plotting. The student will be able to develop the sketches necessary to create 3-D solids and turn them into 2-D drawings for fabrication.

**Prerequisite** MDT 105

**MDT 187 Advanced Inventor CADD** 3 hours: 2T, 2L
In this course students will use advanced techniques of Inventor computer-aided drafting/design software to develop and render 3-D solid model assemblies. Topics include advanced sketching and 3-modeling commands, animation software applications and stress analysis applications. The student will be able to develop the sketches necessary to create 3-D solids, assemblies, animation and perform stress analysis on parts and assemblies.

**Prerequisite** As required by program.

**MDT 202 SOLID WORKS CADD** 3 hours: 2T, 2L
This course introduces the student to parametric, feature-based, solid modeling, using the 3-D concepts of SOLID WORKS computer-aided design software. Topics include the commands, concepts, views, dimensioning, and techniques to design solid-model parts quicker than 2-D software. The student will be able to use SOLID WORKS computer-aided design software to draw the views necessary to manufacture a part.

**Prerequisite** MDT 146

**MDT 203 Pro-Engineering CADD** 3 hours: 2T, 2L
This course covers the use and application of Pro-Engineer computer-aided drafting/design software using parametric concepts of 3-D design for solid modeling on a high level computer work station. This course covers the commands, concepts, and applications of the Pro-Engineer software to develop 3-D parts, draw assemblies, working drawings, and rendering of design parts. The student will be able to use the Pro-Engineer software with competency to develop accurate technical drawings of parts.

**Prerequisite** As required by program.

**MDT 211 Advanced Mechanical Drawings** 3 hours: 2T, 2L
This course focuses on the application of standards used in drafting / designing auxiliary, section, detail, and assembly views, using computer-aided drafting / design software. Topics include the proper use and techniques of computer-aided drafting / design, the arrangement of auxiliary, detail, and section views. The student will be expected to apply the skills and techniques to make technical drawings, using computer-aided drafting / design software.

**Prerequisite** MDT 105, MDT 111, MDT 146

**MDT 221 Machine Design** 3 hours: 2T, 2L
This course covers the design concepts necessary to develop the technical drawings and features to manufacture or to fabricate a part or an assembly using computer-aided drafting / design software. The topics covered are the concepts and design constraints of gears, drive systems, bearings, belts, shafts, chains, fasteners, and springs. The student will be expected to apply the concepts and design constraints to design machine components and systems.

**Prerequisite** MDT 105, MDT 111

**MDT 252 Advanced SOLID WORKS CADD** 3 hours: 2T, 2L
This course broadens the student’s concepts of parametric, feature-based, solid modeling using the 3-D concepts of SOLID WORKS computer-aided design software. This course covers the advanced applications needed to develop / design solid model parts. The student will be able to use SOLID WORKS computer-aided design software to draw properly the views necessary to manufacture advanced designed parts.

**Prerequisite** MDT 202
MDT 261 HVAC and Pipe Systems Design 3 hours: 2T, 2L
This course covers topics and concepts related to the design of heating, ventilation, air-conditioning, and piping systems in residential, industrial, and commercial applications. The topics covered are the design considerations and constraints of HVAC and pipe systems, sizing, symbols, layout, restrictions, and single and double line pipe drawings using computer-aided drafting/design software. The student will be expected to use the design specifications to design and to draw HVAC and pipe systems. Prerequisite MDT 105

MDT 271 Structural and Weld Design 3 hours: 2T, 2L
This course covers the design concepts of structural steel beams and welding techniques. The topics covered are the symbols, types of beams, sizing, joining, bill of materials, beam drawing techniques, scaling, beam details, welding concepts, welding symbols, and welding applications. The student will be able to design and to draw the necessary beam structural to support a load according to specifications and will be able to read and to design the weld type and size. Prerequisite MDT 105

MDT 272 Electrical and Electronic Design 3 hours: 2T, 2L
This course covers the design concepts related to electrical and electronic technical prints. The topics covered are the symbols, circuit analysis, drawing types, components, functions of components, schematics, programmable logic control circuits, ladder logic control circuits, motor control circuits, and specifications. The student will use computer-aided software to design and to draw the proper technical prints for electrical and/or electronic applications. Prerequisite MDT 105

MDT 280 3-D Studio Max 3 hours: 2T, 2L
This course covers the use of 3-D Studio Max computer-aided design software to make technical and pictorial animated drawings to design 3-D objects for presentations. This course covers the commands, application of equipment, concepts, views, dimensions, and techniques particular to this software for design of parts. Upon completion the student will make a 3-D animated presentation of their design. Prerequisite As required by program.

MDT 291A Co-op Education 2, 3 hours, respectively: 5i, 10i, 15i, respectively
This course is designed to provide a paid cooperative work experience directly related to the mechanical design technology field. Students enrolled in this course must be employed from a minimum of 15 hours. Grades are based on the successful completion of the work experience as judged by the student's work supervisor and faculty coordinator. Prerequisite As required by program.

MDT 291B Co-op Education 2, 3 hours, respectively: 5i, 10i, 15i, respectively
This course is designed to provide a paid cooperative work experience directly related to the mechanical design technology field. Students enrolled in this course must be employed from a minimum of 15 hours. Grades are based on the successful completion of the work experience as judged by the student's work supervisor and faculty coordinator. Prerequisite As required by program.

MDT 291D Co-op Education 2, 3 hours, respectively: 5i, 10i, 15i, respectively
This course is designed to provide a paid cooperative work experience directly related to the mechanical design technology field. Students enrolled in this course must be employed from a minimum of 15 hours. Grades are based on the successful completion of the work experience as judged by the student's work supervisor and faculty coordinator. Prerequisite As required by program.

MDT 293 Advanced Pro-Engineer 3 hours: 2T, 2L
This course covers the use and application of Pro-Engineer computer-aided drafting/design software using parametric concepts of 3-D design for solid modeling on a high level computer work station. This course covers advanced concepts, and application of the Pro-Engineer software to develop 3-D parts, draw assemblies, working drawings, and rendering of design parts. The student will be able to use the Pro-Engineer software with competency to develop accurate technical drawings of complicated parts. Prerequisite MDT 203 Pro-Engineering CADD

MDT 295 Computerized Structure Analysis 3 hours: 2T, 2L
This course covers the use and application of Solid Works computer-aided drafting/design software application of COSMOS software to perform analysis of structures in regard to force load and/or heat transfer. The course covers the commands, concepts, and applications of the software that to develop 3-D analysis of structures. The student will be able to use the analysis software with competency to develop accurate technical analysis of design parameters. Prerequisite MDT 146, MDT 202

MKT 122 Visual Merchandising 3 hours
This course introduces basic layout design and commercial display in retail and service organizations. Topics include an analysis of display as a visual merchandising medium and an examination of the principles and applications of display and design. Upon completion, students should be able to plan, build, and evaluate designs and displays.
MKT 123  Fundamentals of Selling  3 hours
This course is designed to emphasize the necessity of selling skills in a modern business environment. Emphasis is placed on sales techniques involved in various types of selling situations. Upon completion, students should be able to demonstrate an understanding of the techniques covered.

MKT 220  Advertising and Sales Promotion  3 hours
This course covers the elements of advertising and sales promotion in the business environment. Topics include advertising and sales promotion appeals, selection of media, use of advertising and sales promotion as a marketing tool, and means of testing effectiveness. Upon completion, students should be able to demonstrate an understanding of the concepts covered through application.

MKT 221  Consumer Behavior  3 hours
This course is designed to describe consumer behavior as applied to the exchange processes involved in acquiring, consuming, and disposing of goods and services. Topics include an analysis of basic and environmental determinants of consumer behavior with emphasis on the decision-making process. Upon completion, students should be able to analyze concepts relating to the study of the individual consumer.

MSC 101  Challenges in Leadership  1 hour
This course provides an introduction to leadership, character development, military operations and skills, and the Army's continually changing role in the world. Course goals are accomplished through lecture, field trips, guest speakers and films. Prerequisite  Prerequisite to all other military science courses unless approved by the PMS.

MSC 101L  Challenges in Leadership Lab  2 hours
This course is required in conjunction with 101 and 102. Students will demonstrate knowledge of subjects taught in lecture and lab through hands-on experience. Emphasis is on developing leadership skills and military knowledge.

MSC 102  Challenges in Leadership  1 hour
This course provides an introduction to leadership, character development, military operations and skills, and the Army's continually changing role in the world. Course goals are accomplished through lecture, field trips, guest speakers and films. Prerequisite  Prerequisite to all other military science courses unless approved by the PMS.

MSC 102L  Challenges in Leadership Lab  2 hours
This course is required in conjunction with 101 and 102. Students will demonstrate knowledge of subjects taught in lecture and lab through hands-on experience. Emphasis is on developing leadership skills and military knowledge.

MSC 201  Leadership Development  1 hour
Students learn proven leadership techniques and develop their own working leadership philosophy and style. This course prepares students for future leadership roles. 201L is required.

MSC 201L  Basic Military Skills Lab  2 hours each
This course is required in conjunction with 201 and 202. Students will demonstrate knowledge of subjects taught in lecture and in lab through hands-on experience. Emphasis is on developing skills, physical fitness, and military knowledge.

MSC 202  Basic Military Skills Lab  2 hours each
This course is required in conjunction with 201 and 202. Students will demonstrate knowledge of subjects taught in lecture and in lab through hands-on experience. Emphasis is on developing skills, physical fitness, and military knowledge.

MSC 202  Basic Military Skills  1 hour
Emphasis is on refining leader skills, oral communication, and military skills, including map reading, orienteering, and small unit tactics. This course prepares students for advanced military science courses. 202L is required.

MSG 102  Therapeutic Massage Lab I  3 hours: 3E
This course provides foundational information related to massage therapy. Students gain knowledge related to purposes, effects, applications, benefits, indications and contraindications for various types of massage therapy. Additionally, students learn procedures and precautions for various types of massage therapies. Specific topics include full body western (Swedish) massage, hot and cold therapies, stretching, and documentation guidelines. Special emphasis is placed on professional behaviors, proper draping, and body mechanics. At the conclusion of this course, students will be able to perform various types of full body therapeutic massage techniques and document their activities. Prerequisite  Admission into Program

MSG 103  Anatomy and Physiology  3 hours: 2T, 1E
This course provides students with an overview of the basic anatomy and physiology of the human body. Emphasis is placed on the importance of maintaining homeostasis. At the conclusion of this course students will have a basic understanding of the various systems of the body and the effects of massage on these systems. Students will
demonstrate this knowledge through cognitive and performance based measurement.

Pre-requisite Admission into Program

MSG 104 Musculo-Skeletal and Kinesiology I 3 hours: 2T, 1E
This course introduces students to concepts related to the study of muscle movement. As part of this course students learn the interaction of muscles and various boney landmarks of the skeletal system. Students further learn how to position individuals in preparation for therapeutic massage of various muscle groups. Students will demonstrate this knowledge through cognitive and performance based measurement. Pre-requisite Admission into Program

MSG 105 Therapeutic Massage Supervised Clinical I 2 hours: 2C
In this course, students are required to demonstrate competency in specific therapeutic massage techniques, including treatment preparation, use of proper techniques, client progress, and documentation. Students are required to perform a minimum of 45 hours of hands-on client massages.

Pre-requisite Successful completion of MSG 102, MSG 103, MSG 104 and MSG 108

MSG 108 Foundations of Therapeutic Massage 2 hours: 1T, 1E
The purpose of this course is for students to comprehend foundational information related to the profession of therapeutic massage. Specific topics include: history of therapeutic massage, professional ethics and standards of practice, regulatory agencies and their requirements, client and therapist's professional relationships, communication skills, and an overview of types of therapeutic massage. Included in this course are opportunities for students to apply professional behaviors associated with massage therapy in a simulated environment.

Pre-requisite Admission into Program

MSG 200 Business and Marketing Plans 1 hour: 1T
During this course, students are also taught ethical business management and professional development. This course is designed to help students prepare for ethical decision making in professional practice while assisting in the development of their emerging identities as professional licensed massage therapists. Emphasis is placed on building and retaining clientele, communication skills, customer skills, customer services, continuing education, and setting goals. Upon completion, the student should be able to list the types of communication skills, state personal goals, and develop a business and marketing plan. Pre-requisite MSG 108

MSG 201 Therapeutic Massage for Special Populations 2 hours: 1T, 1E
In this course, students learn to adapt massage sessions to the needs of special populations, such as pregnant women, infants, elderly, and the terminally ill. Topics include technique variations, length of session, contraindications, cautions, considerations for survivors of abuse, and possible benefits. Upon completion of this course, students will be able to discuss and demonstrate techniques for performing therapeutic massage for special populations. Pre-requisite Successful completion of MSG 102

MSG 202 Therapeutic Massage Lab II 3 hours: 3E
Students learn advanced massage therapy techniques building upon previously gained knowledge and skills. Upon completion students will be able to apply specific therapeutic massage techniques to various regions of the body.

Pre-requisite Successful completion of MSG 102

MSG 203 Pathology 3 hour: 3T
This course presents baseline information on pathologies which massage therapists may encounter in clinical practice, including conditions of the musculoskeletal, neurological, cardiovascular, lymphatic, integumentary, digestive, endocrine, and immune systems. Content will include etiology, symptomatology, medical approaches to treatment, and the potential positive or negative impact of massage.

Pre-Requisite Successful completion of MSG 103

MSG 204 Musculo-Skeletal and Kinesiology II 3 hours: 2T, 1E
In this course, students learn advanced study of interaction of the muscular-skeletal system to include palpation techniques of the appendicular regions of the body. Students will demonstrate this knowledge through cognitive and performance based measurement. Pre-requisite Successful completion of MSG 104

MSG 205 Therapeutic Massage Supervised Clinical II 2 hours: 2C
In this course, students are required to demonstrate competency in specific advanced therapeutic techniques, including treatment preparation, use of proper techniques, client progress, and documentation. Students are required to perform a minimum of 45 hours of hands-on client massages.

Pre-requisite Successful completion of MSG 105

MSG 206 Licensure Exam Review 1 hour: 1T
This course provides a consolidated and intensive review of the basic areas of expertise needed by the entry-level massage therapist. Upon completion, the student should be able to pass a comprehensive exam on information covered in the therapeutic massage program.

Pre-requisite MSG 102, 103, 104, 105, 108, 200
Corequisite: MSG 201, 202, 203, 204, 205

**MST 209** Physical Supply and Distribution Management 3 hours

This course provides a comprehensive study of current logistics systems. Topics include organizing and analyzing logistics information, forecasting potential logistical problems, and making recommendations to coordinate actions to resolve problems.

**MST 223** Special Studies in Personnel Administration 3 hours

Under faculty supervision, this course provides the student the opportunity to develop knowledge of current human resource management practices. Emphasis is placed on independent study of current publications approved by the instructor.

**MST 225** Special Studies in Business Management 3 hours

Under faculty supervision, this course provides a student the opportunity to develop a knowledge of current business management practices. Emphasis is placed on independent study of current publications approved by the instructor.

**MTH 090** Basic Mathematics 3 hours: 3T

This is a developmental course reviewing arithmetical principles and integers and computations designed to help the student's mathematical proficiency for selected curriculum entrance. This course does not apply toward the general core requirement for a mathematics degree. **NOTICE(S):** This course produces institutional, non-transferable-credit only and will not satisfy the requirements for degrees, certificates, and diplomas. Additionally, the grade a student earns in a developmental course (A, B, C, or U) does not factor into the student's GPA (grade point average). Students must achieve a 75% or higher in this course to proceed to the next level Mathematics Course. Any grade below 75% will result in a grade of "U" which indicates failure of the class.

**MTH 098** Elementary Algebra 3-4 hours: 3-4T

This course is a review of the fundamental arithmetic and algebra operations. Topics include the numbers of ordinary arithmetic and their properties; integers and rational numbers; the solving of equations; polynomials and factoring; and an introduction to systems of equations and graphs. This course does not apply toward the general core requirement for mathematics. **NOTICE(S):** This course produces institutional, non-transferable credit only and will not satisfy the requirements for degrees, certificates, and diplomas. Additionally, the grade a student earns in a developmental course (A, B, C, or U) does not factor into the student's GPA (grade point average). Students must achieve a 75% or higher in this course to proceed to the next level Mathematics Course. Any grade below 75% will result in a grade of "U" which indicates failure of the class.

**Prerequisite:** Prerequisite(s): A grade of "C" (75 or above required within the Division of Mathematics) or higher (S if taken as pass/fail) in MTH 090 (Basic Mathematics) or appropriate mathematics placement score

**MTH 100** Intermediate College Algebra 3 hours: 3T

This course provides a study of algebraic techniques such as linear equations and inequalities, quadratic equations, systems of equations, and operations with exponents and radicals. Functions and relations are introduced and graphed with special emphasis on linear and quadratic functions. This course does not apply toward the general core requirement for mathematics.

**Prerequisite:** A grade of "C" (75 or above required within the Division of Mathematics) or higher (S if taken as pass/fail) in MTH 098 (Elementary Algebra) or appropriate mathematics placement score

**MTH 110** Finite Mathematics 3 hours: 3T

This course is tended to give an overview of topics in finite mathematics, together with their applications, and it is taken primarily by students who are not majoring in science, engineering, commerce, or mathematics (i.e., students who are not required to take Calculus). The course will draw on and significantly enhance the student's arithmetic and algebraic skills. It includes sets, counting, permutations, combinations, basic probability (including Baye's Theorem), an introduction to statistics (including work with Binomial Distributions and Normal Distributions), matrices and their applications to Markov chains, and decision theory. Additional topics may include symbolic logic, linear models, linear programming, the simplex method and applications. **Prerequisite:** All core mathematics courses in Alabama must have as a minimum prerequisite high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score. An alternative to this prerequisite is that the student should pass with a "C" or higher (S if taken as pass/fail) MTH 100 (Intermediate College Algebra).

**MTH 112** Precalculus Algebra 3 hours: 3T

This course emphasizes the algebra of functions, including polynomial, rational, exponential, and logarithmic functions. The course also covers systems of equations and inequalities, quadratic inequalities, and the binomial theorem. Additional topics may include matrices, Cramer's Rule, and mathematical induction. **Prerequisite:** All core mathematics courses in Alabama must have as a minimum prerequisite high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score. An alternative to this prerequisite is that the student should pass with a "C" or higher (S if taken as pass/fail) MTH 100 (Intermediate College Algebra).
MTH 113 Precalculus Trigonometry  3 hours: 3T  
This course includes the study of trigonometric (circular functions) and inverse trigonometric functions, and it includes extensive work with trigonometric identities, and trigonometric equations. The course also covers vectors, complex numbers, DeMoivre's Theorem, and polar coordinates. Additional topics may include conic sections, sequences, and using matrices to solve linear systems.
Prerequisite  A minimum prerequisite of high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score is required. An alternative to this prerequisite is that the student should successfully pass with a "C" or higher (S if taken as pass/fail) MTH 112 (Precalculus Algebra).

MTH 116 Mathematical Applications  3 hours: 3T  
This course provides practical applications of mathematics and includes selected topics from consumer math and algebra. Some types included are integers, percent, interest, ratio and proportion, metric system, probability, linear equations, and problem solving. This is a terminal course designed for students seeking an A.A.S. degree and does not meet the general core requirement for mathematics.
Prerequisite  A grade of "C" or higher (S if taken as pass/fail) in MTH 090 (Basic Mathematics) or appropriate mathematics placement score.  *This class will not satisfy the STARS higher math requirement.

MTH 120 Calculus and Its Applications  3 hours: 3T  
This course is intended to give a broad overview of calculus and is taken primarily by students majoring in Commerce and Business Administration. It includes differentiation and integration of algebraic, exponential, and logarithmic functions and applications to business and economics. The course should include functions of several variables, partial derivatives (including applications), Lagrange Multipliers, L'Hopital's Rule, and multiple integration (including applications).
Prerequisite  A minimum prerequisite of high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score is required. An alternative to this is that the student should successfully pass with a grade of "C" or higher MTH 112 (Precalculus Algebra)

MTH 125 Calculus I  4 hours: 4T  
This is the first of three courses in the basic calculus sequence taken primarily by students in science, engineering, and mathematics. Topics include the limit of a function; the derivative of algebraic, trigonometric, exponential, and logarithmic functions; and the definite integral and its basic application to area problems. Applications of the derivative are covered in detail, including approximations of error using differentials, maximum and minimum problems, and curve sketching using calculus.
Prerequisite  A minimum of high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score is required. An alternative to this is that the student should successfully pass with a "C" or higher MTH 113 (Precalculus Trigonometry). This course is typically taught during the day every semester and only nights during the fall term.

MTH 126 Calculus II  4 hours: 4T  
This is the second of three courses in the basic calculus sequence. Topics include vectors in the plane and in space, lines and planes in space, applications of integration (such as volume, arc length, work, and average value), techniques of integration, infinite series, polar coordinates, and parametric equations.
Prerequisite  A minimum prerequisite of high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score is required. An alternative to this is that the student should successfully pass with a “C” or higher MTH 125 (Calculus I). This course is typically taught during the spring term.

MTH 131 Mathematics in General Education I  3 hours: 3T  
This course is designed for general education and for all students in education programs except those who will concentrate on science or mathematics. Emphasis is on the structure of the number system from the integers to the real numbers, logic, numeration systems, prime numbers, basic concepts of algebra, elementary probability and statistics, graphs, informal geometry, and the metric system. This course does not apply toward the general prerequisite.
Prerequisite  A grade of "C" or higher (S if taken as pass/fail) in MTH 090 (Basic Mathematics) or appropriate mathematics placement score.  CORE

MTH 132 Mathematics in General Education II  3 hours: 3T  
This course is a continuation of MTH 131. It does not apply toward the general prerequisite.
Prerequisite  A grade of "C" or higher (S if taken as pass/fail) in MTH 131 (Mathematics in General Education I) or appropriate mathematics placement score.  CORE

MTH 227 Calculus III  4 hours: 4T  
This is the third of three courses in the basic calculus sequence. Topics include vector functions, functions of two or more variables, partial derivatives (including applications), quadratic surfaces, multiple integration, and vector
As determined by College

MTH 227 (Calculus III)

- A grade of "C" or higher in MTH 126 (Calculus II)

MTH 237 Linear Algebra

- 3 hours: 3T

This course introduces the basic theory of linear equations and matrices, real vector spaces, bases and dimensions, linear transformations and matrices, determinants, eigenvalues and eigenvectors, inner product spaces, and the diagonalization of symmetric matrices. Additional topics may include quadratic forms and the use of matrix methods to solve systems of linear differential equations. Prerequisite A grade of "C" or higher in MTH 126 (Calculus II)

MTH 238 Applied Differential Equations I

- 3 hours: 3T

An introduction to numerical methods, qualitative behavior of first order differential equations, techniques for solving separable and linear equations analytically, and applications to various models (e.g., population, motion, chemical mixtures, etc.). Techniques for solving higher order linear differential equations with constant coefficients (general theory, undetermined coefficients, reduction of order and the methods of variation of parameters), with emphasis on interpreting the behavior of the solutions, and applications to physical models whose governing equations are of higher order; the Laplace transform as a tool for the solution of initial value problems whose inhomogeneous terms are discontinuous. Prerequisite A grade of "C" or higher in MTH 126 (Calculus II)

MTH 265 Elementary Statistics

- 3 hours: 3T

This course provides an introduction to methods of statistics, including the following topics: sampling, frequency distributions, measures of central tendency, graphic representation, reliability, hypothesis testing, confidence intervals, analysis, regression, estimation, and applications. Probability, permutations, combinations, binomial theorem, random variables, and distributions may be included. Prerequisite A grade of "C" or higher (S if taken as pass/fail) in MTH 100 (Intermediate College Algebra)

MTT 107 Machining Calculations I

- 3 hours: 3T

This course introduces basic calculations as they relate to machining occupations. Emphasis is placed on basic calculations and applications in the machine shop. Upon completion, students should be able to perform basic shop calculations. This course is aligned with NIMS certification standards. Prerequisite As required by College

MTT 108 Machine Handbook Functions I

- 3 hours: 3T

This course covers the machinist's handbook. Emphasis is placed on formulas, tables, usage, and related information. Upon completion, students should be able to use the handbook in the calculation and set-up of machine tools. This course is aligned with NIMS certification standards. Prerequisite As determined by College

MTT 109 Orientation to Computer Assisted Manufacturing

- 3 hours: 3T

This course serves as an overview and introduction to computer assisted manufacturing (CAM) and prepares students for more advanced CAM courses. Topics covered are basic concepts and terminology, CAM software environments, navigation commands and file management, 2-D geometry, construction modification, and toolpath generation for CAM machining processes. Prerequisite As determined by College

MTT 121 Basic Print Reading for Machinists

- 3 hours: 3T

This course covers the basic principle of print reading and sketching. Topics include multi-view drawings; interpretation of conventional lines; and dimensions, notes and thread notations. Upon completion, students should be able to interpret basic drawings, visualize parts, and make pictorial sketches. Prerequisite As determined by College

MTT 123 Engine Lathe Lab I

- 3 hours: 6L

The student learns to safely operate an engine lathe in calculating feeds and speeds and shaping a variety of cutting tools by grinding. The student will also safely operate an engine lathe in straight turning, facing, turning to the shoulder, and tapers. Prerequisite As determined by college.

MTT 124 Engine Lathe Lab II

- 3 hours: 6L

The student learns advanced operation of an engine lathe in calculating feeds and speeds and shaping a variety of cutting tools by grinding. The student will also safely operate an engine lathe in advanced straight turning, facing, turning to the shoulder, and tapers. Prerequisite As determined by College

MTT 127 Metrology

- 3 hours: 2T, 2L

This course covers the use of precision measuring instruments. Emphasis is placed on the inspection of machine parts and use of a wide variety of measuring instruments. Upon completion, students should be able to demonstrate correct use of measuring instruments. This course is aligned with NIMS certification standards. Prerequisite As determined by College

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MTT 128  Geometric Dimensioning and Tolerancing I  3 hours: 3T
This course is designed to teach students how to interpret engineering drawings using modern conventions, symbols, datums, datum targets, and projected tolerance zones. Special emphasis is placed upon print reading skills, and industry specifications and standards. This course is aligned with NIMS certification standards. Prerequisite  As determined by College

MTT 134  Lathe Operations I  3 hours: 2T, 2L
This course includes more advanced lathe practices such as set-up procedures, work planning, inner- and outer-diameter operations, and inspection and process improvement. Additional emphasis is placed on safety procedures. Upon completion, students will be able to apply advanced lathe techniques. MTT 134/135 are suitable substitutes for MTT 129. This course is aligned with NIMS standards. Prerequisite  As determined by college

MTT 137  Milling I  3 hours: 2T, 2L
This course covers manual milling operations. Emphasis is placed on related safety, types of milling machines and their uses, cutting speed, feed calculations, and set-up and operation procedures. Upon completion, students should be able to apply manual vertical milling techniques to produce machine tool projects. MTT 137/138 are suitable substitutes for MTT 136. This course is aligned with NIMS certification standards. Prerequisite  As determined by College

MTT 138  Milling I Lab  3 hours: 6L
This course provides basic knowledge of milling machines. Emphasis is placed on types of milling machines and their uses, cutting speed, feed calculations, and set-up procedures. Upon completion, students should be able to apply milling techniques to produce machine tool projects. This course is aligned with NIMS certification criteria. MTT 137 and MTT 138 are suitable substitutes for MTT 136. Prerequisite  As determined by College

MTT 139  Basic Computer Numerical Control  3 hours: 2T, 2L
This course introduces the concepts and capabilities of computer numeric control (CNC) machine tools. Topics include setup, operation, and basic applications. Upon completion, students should be able to develop a basic CNC program to safely operate a lathe and milling machine. This course is aligned with NIMS certification standards. Prerequisite  As determined by College

MTT 140  Basic Computer Numerical Control Turning Programming I  3 hours: 1T, 4L
This course covers concepts associated with basic programming of a computer numerical control (CNC) turning center. Topics include basic programming characteristics, motion types, tooling, workholding devices, setup documentation, tool compensations, and formatting. Upon completion, students should be able to write a basic CNC turning program that will be used to produce a part. This course is aligned with NIMS certification standards. Prerequisite  As determined by college  Corequisite  As determined by college

MTT 141  Basic Computer Numeric Control Milling Programming I  3 hours: 1T, 4L
This course covers concepts associated with basic programming of a computer numerical control (CNC) milling center. Topics include basic programming characteristics, motion types, tooling, workholding devices, setup documentation, tool compensations, and formatting. Upon completion, students should be able to write a basic CNC milling program that will be used to produce a part. This course is aligned with NIMS certification standards. Prerequisite  As determined by college  Corequisite  As determined by college

MTT 144  Electrical Discharge Machining I  3 hours: 1T, 4L
This course introduces the student to the concepts of Electrical Discharge Machining (EDM) and the importance of EDM as an industrial setting. Emphasis is placed on safety procedures and machinist responsibility in the setup and operation of EDM machines and electrode selection. Upon completion, students should be able to produce basic machine products using both the wire-type and plunge-type EDM machines. This course is aligned with NIMS certification standards. Prerequisite  As determined by College

MTT 147  Introduction to Machine Shop I  3 hours: 2T, 2L
This course introduces machining operations as they relate to the metalworking industry. Topics include machine shop safety, measuring tools, lathes, saws, milling machines, bench grinders, and layout instruments. Upon completion, students will be able to perform the basic operations of measuring, layout, drilling, sawing, turning, and milling. This is a CORE course. MTT 100 is a suitable substitute for MTT 147 and MTT 148. Prerequisite  As determined by College  CORE

MTT 148  Introduction to Machine Shop I Lab  3 hours: 6L
This course provides practical application of the concepts and principles of machining operations learned in MTT 147. Topics include machine shop safety, measuring tools, lathes, saws, milling machines, bench grinders, and layout instruments. Upon completion, students will be able to perform the basic operations of measuring, layout, drilling, sawing, turning, and milling. This is a CORE course. MTT 100 is a suitable substitute for MTT 147/148. This course is
aligned with NIMS certification standards.

**MTT 149 Introduction to Machine Shop II**

This course provides additional instruction and practice in the use of measuring tools, lathes, milling machines, and grinders. Emphasis is placed on setup and operation of machine tools including the selection of work holding devices, speeds, feeds, cutting tools and coolants. Upon completion, students should be able to perform intermediate level procedures of precision grinding, measuring, layout, drilling, sawing, turning, and milling. This is a CORE course and is aligned with NIMS certification standards. MTT 149/150 are suitable substitutes for MTT 103.

**Prerequisite** As determined by College  
**Corequisite** As determined by college  
**Credit** 3 hours: 2T, 2L

**MTT 150 Introduction to Machine Shop II Lab**

This course provides additional instruction and practice in the use of measuring tools, lathes, milling machines, and grinders. Emphasis is placed on setup and operation of machine tools including the selection of work holding devices, speeds, feeds, cutting tools and coolants. Upon completion, students should be able to perform intermediate level procedures of precision grinding, measuring, layout, drilling, sawing, turning, and milling. This is a CORE course and is aligned with NIMS certification standards. MTT 149/150 are suitable substitutes for MTT 103.

**Prerequisite** As determined by college  
**Corequisite** As determined by college  
**Credit** 3 hours: 6L

**MTT 154 Metallurgy**

This course covers the production, properties, testing, classification, microstructure, and heat treating effects of ferrous and non-ferrous metals. Topics include the iron-carbon phase diagram, ITT diagram, ANSI code, quenching, senescing, and other processes concerning metallurgical transformations. Upon completion, students should be able to understand the iron-carbon phase diagram, ITT diagram, microstructure images, and other phenomena concerning the behavior of metals. **Prerequisite** As required by program

**MTT 181 Special Topics in Machine Tool Technology**

This course is a guided study of special projects in machine tool technology. Emphasis is placed on student needs. Upon completion, students should be able to demonstrate skills developed to meet specific needs.

**Prerequisite** As required by program

**MTT 182 Special Topics in Machine Tool Technology**

This course is a guided study of special projects in machine tool technology. Emphasis is placed on student needs. Upon completion, students should be able to demonstrate skills developed to meet specific needs.

**Prerequisite** As determined by College

**MTT 202 Machine Maintenance and Repair**

This course covers preventive maintenance, as well as repair of machine tools. Emphasis is placed on safety, disassembly and assembly of lathes, grinders, saws, and milling machines. Upon completion, students should be able to perform machine maintenance and repair of machine tools. **Prerequisite** As determined by College

**MTT 219 Computer Numerical Control Graphics: Turning**

This course covers techniques involved in writing a program for a multi-axis computerized numeric control (CNC) turning machine using computer assisted manufacturing (CAM) software. In addition, CNC turning machine setup, programming, and operation are detailed. Upon completion, the student should be able to set up, program, and operate a 3-axis CNC turning machine to produce a 2 1/2-axis part using CAM software. This course is aligned with NIMS certification standards. **Prerequisite** As determined by college

**MTT 220 Computer Numerical Control Graphics: Milling**

This course covers techniques involved in writing a program for a multi-axis computerized numeric control (CNC) milling machine using computer assisted manufacturing (CAM) software. In addition, CNC milling machine setup, programming, and operation are detailed. Upon completion, the student should be able to set up, program, and operate a 3-axis CNC milling machine to produce a 2 1/2-axis part using CAM software. This course is aligned with NIMS certification standards. **Prerequisite** As determined by college

**MTT 221 Advanced Blueprint Reading for Machinists**

This course introduces complex industrial blueprints. Emphasis is placed on auxiliary views, section views, violations of true projection, special views, and interpretation of complex parts and assemblies. Upon completion, students should be able to read and interpret complex industrial blueprints.

**Prerequisite** As determined by College  
**Corequisite** As determined by college

**MTT 241 CNC Milling Lab I**

This course covers basic (3-axis) computer numeric control (CNC) milling machine setup and operating procedures. Upon completion, the student should be able to land a CNC program and setup and operate a 3-axis CNC milling machine to produce a specified part. Related safety, inspection, and process adjustment are also covered.
<table>
<thead>
<tr>
<th>Prerequisite</th>
<th>As determined by college</th>
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</thead>
<tbody>
<tr>
<td>MTT 242 CNC Milling Lab II</td>
<td>3 hours: 6L</td>
</tr>
<tr>
<td>This course covers advanced (including 4-axis) computer numeric control (CNC) milling machine setup and operating procedures. Upon completion, the student should be able to load a CNC program and setup and operate a CNC milling machine (including 4-axis) to produce a specified part. Related safety and inspection and process adjustment are also covered. Prerequisite</td>
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</tr>
<tr>
<td>MTT 243 CNC Turning Lab I</td>
<td>3 hours: 6L</td>
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<tr>
<td>This course covers basic computer numeric control (CNC) turning machine setup and operating procedures (inner diameter and outer diameter). Upon completion, the student should be able to load a CNC program and setup and operate a CNC turning machine to produce a simple part. Related safety and inspection and process adjustment are also covered. Prerequisite As determined by College</td>
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</tr>
<tr>
<td>MTT 244 CNC Turning Lab II</td>
<td>3 hours: 6L</td>
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<tr>
<td>This course covers advanced computer numeric control (CNC) turning machine setup and operating procedures. Upon completion, the student should be able to load a CNC program and setup and operate a CNC turning machine to produce a specified part. Related safety and inspection and process adjustment are also covered.</td>
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<tr>
<td>MTT 281 Special Topics in Machine Tool Technology</td>
<td>3 hours: 1T, 4L</td>
</tr>
<tr>
<td>This course is a guided study of special projects in machine tool technology. Emphasis is placed on student needs. Upon completion, students should be able to demonstrate skills developed to meet specific needs. Prerequisite As determined by college Corequisite As determined by college</td>
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</tr>
<tr>
<td>MTT 282 Special Topics in Machine Tool Technology</td>
<td>3 hours: 1T, 4L</td>
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<td>This course is a guided study of special projects in machine tool technology. Emphasis is placed on student needs. Upon completion, students should be able to demonstrate skills developed to meet specific needs. Prerequisite As required by program Corequisite As determined by college</td>
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<tr>
<td>MTT 291 Cooperative Education in Machine Tool Technology</td>
<td>3 hours: 15i</td>
</tr>
<tr>
<td>Students work on a part-time basis in a job directly related to machine tool technology. The employer and supervising instructor evaluate students’ progress. Upon course completion, students will be able to apply skills and knowledge in an employment setting. Prerequisite As determined by college Corequisite As determined by college</td>
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<tr>
<td>MTT 292 Cooperative Education in Machine Tool Technology</td>
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**MUL 112 Class Voice II**

1 hour each: 2 each

The MUL courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

**MUL 180 Chorus I**

1 hour each: 2 each

The MUL courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

**MUL 181 Chorus II**

1 hour each: 2 each

The MUL courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

**MUL 184 Jazz / Show Chorus I**

1 hour each: 2 each

The MUL courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

**MUL 185 Jazz / Show Chorus II**

1 hour each: 2 each

The MUL courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

**MUL 190A Concert Band I**

1 hour each: 2 each

The MUL courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

**MUL 191A Concert Band II**

1 hour each: 2 each

The MUL courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

**MUL 201 Class Piano III**

1 hour each: 2 each

The MUL courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.
MUL 202  Class Piano IV  1 hour each: 2 each
The MUL courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

MUL 211  Class Voice III  1 hour each: 2 each
The MUL courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

MUL 212  Class Voice IV  1 hour each: 2 each
The MUL courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

MUL 280  Chorus III  1 hour each: 2 each
The MUL courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

MUL 281  Chorus IV  1 hour each: 2 each
The MUL courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

MUL 284  Jazz / Show Chorus III  1 hour each: 2 each
The MUL courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

MUL 285  Jazz / Show Chorus IV  1 hour each: 2 each
The MUL courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

MUL 290A  Concert Band III  1 hour each: 2 each
The MUL courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.
The MUL courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

**MUL 291A Concert Band IV**
1 hour each: 2 each
The MUL courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

**MUP 101 Private Piano I**
2 hours each: 4 each
The MUP courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

**MUP 102 Private Piano II**
2 hours each: 4 each
The MUP courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

**MUP 103 Private Organ I**
2 hours each: 4 each
The MUP courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

**MUP 104 Private Organ II**
2 hours each: 4 each
The MUP courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

**MUP 111 Private Voice**
2 hours each: 4 each
The MUP courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

**MUP 112 Private Voice II**
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The MUP courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

**MUP 133 Private Guitar I**
1 hour each: 2 each
The MUP courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.
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**MUP 134 Private Guitar II** 1 hour each: 2 each

**MUP 135 Private Guitar I** 2 hours each: 4 each

**MUP 143 Private Clarinet I** 2 hours each: 4 each

**MUP 146 Private Saxophone II** 2 hours each: 4 each

**MUP 147 Private Saxophone I** 2 hours each: 4 each

**MUP 148 Private Trumpet II** 2 hours each: 4 each

**MUP 149 Private Trumpet I** 2 hours each: 4 each

**MUP 150 Private Trombone II** 1 hour each: 2 each

**MUP 151 Private Trombone I** 2 hours each: 4 each
The MUP courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

<table>
<thead>
<tr>
<th>MUP</th>
<th>Course</th>
<th>Hours: 4 each</th>
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</thead>
<tbody>
<tr>
<td>172</td>
<td>Private Trombone II</td>
<td>2 hours each</td>
</tr>
<tr>
<td>181</td>
<td>Private Percussion I</td>
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<tr>
<td>182</td>
<td>Private Percussion II</td>
<td>2 hours each</td>
</tr>
<tr>
<td>201</td>
<td>Private Piano III</td>
<td>2 hours each</td>
</tr>
<tr>
<td>202</td>
<td>Private Piano IV</td>
<td>2 hours each</td>
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<tr>
<td>203</td>
<td>Private Organ III</td>
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</tr>
<tr>
<td>204</td>
<td>Private Organ IV</td>
<td>2 hours each</td>
</tr>
<tr>
<td>211</td>
<td>Private Voice III</td>
<td>2 hours each</td>
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MUP 212 Private Voice IV 2 hours each: 4 each
The MUP courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

MUP 233 Private Guitar III 1 hour each: 2 each
The MUP courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

MUP 234 Private Guitar IV 1 hour each: 2 each
The MUP courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

MUP 243 Private Clarinet III 2 hours each: 4 each
The MUP courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

MUP 244 Private Clarinet IV 2 hours each: 4 each
The MUP courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

MUP 245 Private Saxophone III 2 hours each: 4 each
The MUP courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

MUP 246 Private Saxophone IV 2 hours each: 4 each
The MUP courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.

MUP 261 Private Trumpet III 2 hours each: 4 each
The MUP courses are designed for group instruction in piano, chorus, and concert band for students with little or no previous training. These courses require twice as many experimental laboratory contact hours as there are credit hours to be awarded, indicated below by credit hours: experimental laboratory contact hours. Emphasis is placed on the rudiments of music, basic performance techniques, and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing, as well as a knowledge of music fundamentals.
This course introduces the student to the diatonic harmonic practices in the Common Practice Period. Topics include fundamental musical materials (rhythm, pitch, scales, intervals, diatonic harmonies) and an introduction to the principles of voice leading and harmonic progression. Upon completion, students should be able to demonstrate a basic competency using diatonic harmony through analysis, writing, sight singing, dictation, and keyboard skills.
Corequisite: MUS 113

MUS 112 Music Theory II 3 hours: 2T, 2E
This course completes the study of diatonic harmonic practices in the Common Practice Period and introduces simple musical forms. Topics include principles of voice leading used in three- and four-part triadic harmony and diatonic seventh chords, non-chord tones, cadences, phrases, and periods. Upon completion, students should be able to demonstrate competence using diatonic harmony through analysis, writing, sight singing, dictation, and keyboard skills. Prerequisite: MUS 111 Corequisite: MUS 114

MUS 113 Music Theory Laboratory 1 hour: 2E
This course provides the practical application of basic musical materials through sight singing; melodic, harmonic, and rhythmic dictation; and keyboard harmony. Topics include intervals, simple triads, diatonic stepwise melodies, basic rhythmic patterns in simple and compound meter, and four-part triadic progressions in root position. Upon completion, students should be able to write, sing, and play intervals, scales, basic rhythmic patterns, diatonic stepwise melodies, simple triads, and short four-part progressions in root position. Prerequisite: Permission of the instructor Corequisite: MUS 111

MUS 114 Music Theory Laboratory II 1 hour: 2E
This course continues the practical application of diatonic musical materials through sight singing; melodic, harmonic, and rhythmic dictation; and keyboard harmony. Topics include intervals, scales, diatonic melodies with triadic arpeggiation, more complex rhythmic patterns in simple and compound meter, and four-part diatonic progressions in all inversions. Upon completion, students should be able to write, sing, and play all intermediate rhythmic patterns employing syncopations and beat divisions, diatonic melodies, and four-part diatonic progressions. Prerequisite: MUS 113 Corequisite: MUS 112

MUS 115 Fundamentals of Music 3 hours: 3T
This course is designed to teach the fundamentals of music and to develop usable skills for the classroom teacher. Topics include rhythmic notation, simple and compound meters, pitch notation, correct singing techniques, phrases, keyboard awareness, key signatures, scales, intervals and harmony using I, IV, and V with a choral instrument. Upon completion, students should be able to sing a song, harmonize a simple tune, demonstrate rhythmic patterns, and identify musical concepts through written documentation.

MUS 211 Music Theory III 3 hours: 2T, 2E
This course introduces the student to the chromatic harmonic practices in the Common Practice Period. Topics include secondary functions, modulatory techniques, and binary and tertiary forms. Upon completion, students should be able to demonstrate competence using chromatic harmony through analysis, writing, sight singing, dictation, and keyboard skills. Prerequisite: MUS 112 Corequisite: (If ear training laboratory is a separate course, the COREQUISITE for MUS 211 is MUS 213.)

MUS 212 Music Theory IV 3 hours: 2T, 2E
This course completes the study of chromatic harmonic practices in the Common Practice Period and introduces the student to twentieth-century practices. Topics include the Neapolitan and augmented sixth chords, sonata form, late nineteenth-century tonal harmony, and twentieth-century practices and forms. Upon completion, students should be able to demonstrate competence using chromatic harmony and basic twentieth-century techniques through analysis, writing, sight singing, dictation, and keyboard skills. Prerequisite: MUS 211 Corequisite: (If ear training laboratory is a separate course, the COREQUISITE for MUS 212 is MUS 214.)

MUS 213 Music Theory Laboratory III 1 hour: 2E
This course provides the practical application of chromatic musical materials through sight singing; melodic, harmonic, and rhythmic dictation; and keyboard harmony. Topics include melodies with simple modulations, complex rhythms in simple and compound meter, and secondary function chords. Upon completion, students should be able to write, sing, and play modulating melodies, rhythmic patterns with beat subdivisions and four-part chromatic harmony. Prerequisite: Permission of the instructor Corequisite: (If ear training is a separate course, the COREQUISITE for MUS 213 is MUS 211.)

MUS 214 Music Theory Laboratory IV 1 hour: 2E
This course provides the practical application of chromatic musical materials and simple twentieth-century practices through sight singing; melodic, harmonic and rhythmic dictation; and keyboard harmony. Upon completion, students should be able to write, sing and play chromatic and atonal melodies, complex rhythms and meters, four-part chromatic harmony and simple twentieth-century chord structures.

NAS 120 Fundamentals of Nursing Assistant/Home Health Aide 7 hours: 5t, 6s
This course provides the student with the necessary theory and laboratory experiences for the development of skills required to qualify as a long-term care Nursing Assistant/Home Health Aide. Emphasis is placed on the acquisition of
skills in communication, observation, safety, mobility/body mechanics, personal and restorative care, and infection control necessary to care for patients and clients of all ages. Upon completion of this course, the student will be able to apply concepts and skills in areas required by the Omnibus Budget Reconciliation Act (OBRA) and the National Association of Home Care.

NAS 121 Fundamentals of Nursing Assistant/Home Health Aide Clinical 3 hours: 9c
This course is designed for students to apply knowledge and skills needed to perform basic nursing care safely and efficiently in various supervised health care settings. Emphasis is placed on safety, therapeutic communication, infection control, critical thinking, and proper documentation. Upon completion of this course, the student will demonstrate beginning competency in the delivery of care to patients and clients in various health care settings.

NUR 102 Fundamentals of Nursing 6 hours: 3T, 6S, 3C
This course provides opportunities to develop competencies necessary to meet the needs of individuals throughout the lifespan in a safe, legal, and ethical manner using the nursing process. Students learn concepts and theories basic to the art and science of nursing. The role of the nurse as a member of the healthcare team is emphasized. Students are introduced to the concepts of client needs, safety, communication, teaching/learning, critical thinking, ethical-legal, cultural diversity, nursing history, and the program's philosophy of nursing. Additionally, this course introduces psychomotor nursing skills needed to assist individuals in meeting basic human needs. Skills necessary for maintaining microbial, physical, and psychological safety are introduced along with skills needed in therapeutic interventions. At the conclusion of this course students demonstrate competency in performing basic nursing skills for individuals with common health alterations. Corequisite NUR 103 and NUR 104

NUR 103 Health Assessment 1 hour: 3S
This course is designed to provide students the opportunity to learn and practice history taking and physical examination skills with individuals of all ages, with emphasis on the adult. The focus is on symptom analysis along with physical, psychosocial, and growth and development assessments. Students will be able to utilize critical thinking skills in identifying health alterations, formulating nursing diagnoses and documenting findings appropriate to nursing.

NUR 104 Introduction to Pharmacology 1 hour: 3S
This course provides opportunities to develop competencies necessary to meet the needs of individuals throughout the lifespan in a safe, legal, and ethical manner using the nursing process. This course introduces students to basic principles of pharmacology and the knowledge necessary to safely administer medication. Course content includes legal implications, pharmacokinetics, pharmacodynamics, and calculations of drug dosages, medication administration, and an overview of drug classifications. Students will be able to calculate and administer medications.

NUR 105 Adult Nursing 8 hours: 5T, 3S, 6C
This course provides opportunities to develop competencies necessary to meet the needs of individuals throughout the lifespan in a safe, legal, and ethical manner using the nursing process. Emphasis is placed on providing care to individuals undergoing surgery, fluid and electrolyte imbalance, and common alterations in respiratory, musculoskeletal, gastro-intestinal, cardiovascular and endocrine systems. Nutrition, pharmacology, communication, cultural, and community concepts are integrated. Prerequisite NUR 102, NUR 103, and NUR 104

NUR 106 Maternal and Child Nursing 5 hours: 4T, 3C
This course focuses on the role of the nurse in meeting the physiological, psychosocial, cultural and developmental needs of the maternal and child client. Course content includes antepartal, intrapartal, and postpartal care, complications of pregnancy, newborn care, human growth and development, pediatric care, and selected pediatric alterations. Nutrition, pharmacology, cultural diversity, use of technology, communication, anatomy and physiology review, medical terminology, critical thinking, and application of the nursing process are integrated throughout this course. Upon completion of this course students will be able to provide and manage care for maternal and pediatric clients in a variety of settings. Prerequisite NUR 102, NUR 103, and NUR 104

NUR 107 Adult/Child Nursing 8 hours: 5T, 9C
This course provides students with opportunities to develop competencies necessary to meet the needs of individuals throughout the life span in a safe, legal, and ethical manner using the nursing process in a variety of settings. Emphasis is placed on providing care to individuals experiencing complex alterations in: sensory/perceptual reproductive, endocrine, genitourinary, neurological, immune, cardiovascular, and lower gastrointestinal systems. Additional instruction is provided for care for clients experiencing burns, cancer, and emergent conditions. Nutrition, pharmacology, therapeutic communication, community, cultural diversity, health promotion, error prevention, critical thinking, impacts on maternal and child clients are integrated throughout the course. Prerequisite NUR 102, NUR 103, NUR 104, NUR 105, and NUR 106

NUR 108 Psychosocial Nursing 3 hours: 2T, 3C
This course is designed to provide an overview of psychosocial adaptation and coping concepts used when caring for
clients with acute and chronic alterations in mental health in a variety of settings. Topics include therapeutic communication skills, normal and abnormal behaviors, treatment modalities, and developmental needs. Upon completion of this course, students will demonstrate the ability to assist clients in maintaining psychosocial integrity through the use of the nursing process.

Prerequisite  
NUR 102, NUR 103, NUR 104, NUR 105, NUR 106

NUR 109 Role Transition for the Practical Nurse  
This course provides students with opportunities to gain knowledge and skills necessary to transition from student to practicing nurse. Content includes a discussion of current issues in health care, practical nursing leadership and management, professional practice issues, and transition into the workplace. Emphasis is placed on NCLEX-PN test-taking skills, computer-assisted simulations and practice tests, development of a prescriptive plan for remediation, and review of selective content, specific to the practice of practical nursing.

Prerequisite  
NUR 102, NUR 103, NUR 104, NUR 105, and NUR 106, NUR 107 and NUR 108

Corequisite  
NUR 107 and NUR 108

NUR 111 Paramedic to ADN Mobility  
This course is designed to assist the nationally registered paramedic transitioning to the role of the associate degree nurse (ADN). Emphasis is placed on basic and advanced nursing skills; the nursing process; communication; selected theories needed to develop competencies necessary to meet the needs of individuals through the lifespan in a safe, legal, and ethical manner; concepts related to psychosocial needs of individuals; and the role of the registered nurse. Upon completion of the course students will be able to articulate into the ADN program. Clinical required in medical/surgical; obstetrics; and pediatrics. Lab and clinical are required.

Prerequisites  
MTH 100 or higher level math, BIO 201, 202, ENG 101

NUR 201 Nursing Through the Lifespan I  
This course provides opportunities to develop competencies necessary to meet the needs of individuals throughout the lifespan in a safe, legal, and ethical manner using the nursing process. Students manage and provide collaborative care to clients who are experiencing selected alterations in gastrointestinal, reproductive, sensory, and endocrine systems in a variety of settings. Additional instruction is provided for oncology, mental health, teaching/learning concepts, and advanced dosage calculations. Nutrition, pharmacology, communication, cultural, and community concepts are integrated.

Prerequisite  
NUR 102, NUR 103, NUR 104, NUR 105, and NUR 106 (or NUR 200)

NUR 202 Nursing Through the Lifespan II  
This course builds upon previous instruction and provides additional opportunities to develop competencies necessary to meet the needs of individuals throughout the lifespan in a safe, legal, and ethical manner using the nursing process. Students manage and provide collaborative care to clients who are experiencing selected alterations in cardiovascular, hematologic, immune, and genitourinary systems in a variety of settings. Additional instruction is provided for oncology, mental health, teaching/learning concepts, and advanced dosage calculations. Nutrition, pharmacology, communication, cultural, and community concepts are integrated.

Prerequisite  
NUR 102, NUR 103, NUR 104, NUR 105, and NUR 106 (or NUR 200), and NUR 201

NUR 203 Nursing Through the Lifespan III  
This course builds upon previous instruction and provides additional opportunities to develop competencies necessary to meet the needs of individuals throughout the lifespan in a safe, legal, and ethical manner using the nursing process. Students manage and provide collaborative care to clients who are experiencing selected alterations in cardiovascular, respiratory, and neurological systems in a variety of settings. Additional instruction is provided for selected mental health disorders, selected emergencies, multiple organ dysfunction syndrome and related disorders. Teaching/learning concepts, advanced dosage calculations, nutrition, pharmacology, communication, cultural, and community

Prerequisite  
NUR 102, NUR 103, NUR 104, NUR 105, NUR 106 (or NUR 200), NUR 201, and NUR 202

NUR 204 Role Transition for the Registered Nurse  
This course provides students with opportunities to gain knowledge and skills necessary to transition from student to registered nurse. Content includes current issues in health care, nursing leadership and management, professional practice issues for registered nurses, and transition into the workplace. Additional instruction is provided for preparing
This course is designed to familiarize students with legal terms and OAD Precompletion, the student should be able to accurately transcribe documents from dictated recordings.

OAD 100 Records and Information Management 3 hours
This course is designed to assist the student in preparing for employment. Emphasis is on developing resumes, improving interview techniques, participating in mock interviews, setting goals, conducting job searches, and improving personal and professional image. Upon completion, the student will be able to demonstrate confidence in seeking employment.

OAD 134 Career and Professional Development 3 hours
This course is designed to give the student knowledge about managing office records and information. Emphasis is on basic filing procedures, methods, systems supplies, equipment, and modern technology used in the creation, protection, and disposition of records stored in a variety of forms. Upon completion, the student should be able to perform basic filing procedures.

OAD 138 Machine Transcription 3 hours
This course is designed to develop marketable skills in transcribing various forms of dictated material through classroom instruction. Emphasis is on the use of microcomputers and a commercial word processing package. Upon completion, the student should be able to accurately transcribe documents from dictated recordings.

OAD 200 Records and Information Management 3 hours
This course is designed to assist the student in preparing for employment. Emphasis is on developing resumes, improving interview techniques, participating in mock interviews, setting goals, conducting job searches, and improving personal and professional image. Upon completion, the student will be able to demonstrate confidence in seeking employment.

OAD 134 Career and Professional Development 3 hours
This course is designed to give the student knowledge about managing office records and information. Emphasis is on basic filing procedures, methods, systems supplies, equipment, and modern technology used in the creation, protection, and disposition of records stored in a variety of forms. Upon completion, the student should be able to perform basic filing procedures.

OAD 138 Machine Transcription 3 hours
This course is designed to develop marketable skills in transcribing various forms of dictated material through classroom instruction. Emphasis is on the use of microcomputers and a commercial word processing package. Upon completion, the student should be able to accurately transcribe documents from dictated recordings.

OAD 200 Records and Information Management 3 hours
This course is designed to assist the student in preparing for employment. Emphasis is on developing resumes, improving interview techniques, participating in mock interviews, setting goals, conducting job searches, and improving personal and professional image. Upon completion, the student will be able to demonstrate confidence in seeking employment.
production of legal correspondence, forms, and court documents through classroom instruction and lab exercises. Emphasis is on transcribing error-free legal documents using transcription equipment. Upon completion, students should be able to demonstrate the ability to accurately transcribe legal documents that are appropriately formatted.

Prerequisite: OAD 103 or permission of instructor

OAD 212 Medical Transcription 3 hours
This course is designed to orient students to standard medical reports, correspondence, and related documents transcribed in a medical environment through classroom instruction. Emphasis is on transcribing medical records from dictated recordings. Learn/maintain standards of ethical/professional conduct. Upon completion, the student should be able to accurately transcribe medical documents from dictated recordings.

Prerequisite: OAD 103

OAD 213 Advanced Medical Transcription 3 hours
This course is designed to develop skills in medical transcription. Emphasis is on diagnostic studies, laboratory, radiology, and pathology reports. Upon completion, the student should be able to demonstrate proficiency in the preparation of a variety of reports and forms used in the medical environment.

Prerequisite: OAD 212 or permission of the instructor

OAD 215 Health Information Management 3 hours
This course is designed to promote an understanding of the structure, analysis and management of medical records. Emphasis is on managing medical and insurance records, coding of diseases, operations and procedures, and the legal aspects of medical records. Upon completion, the student should be able to maintain medical records efficiently.

Prerequisite: Permission of instructor

OAD 217 Office Management 3 hours
This course is designed to develop skills necessary for supervision of office functions. Emphasis is on issues relating to the combination of people and technology in achieving the goals of business in a culturally diverse workplace, including the importance of office organization, teamwork, workplace ethics, office politics, and conflict-resolution skills. Upon completion, the student should be able to demonstrate effective supervision in the modern office.

Prerequisite: Permission of instructor

OAD 218 Office Procedures 3 hours
This course is designed to develop an awareness of the responsibilities and opportunities of the office professional through classroom instruction. Emphasis is on current operating functions, practices, and procedures, work habits, attitudes, oral and written communications, and professionalism. Upon completion, the student should be able to demonstrate the ability to effectively function in an office support role.

Prerequisite: OAD 101

OAD 231 Office Applications 2 hours
This course is designed to provide the student with a foundation in the use of computerized equipment and application software as tools in the performance of a variety of office tasks through classroom instruction and lab exercises. Emphasis is on the role of the office professional in the selection and application of appropriate technology to the specific task or combination of tasks. Upon completion, the student should be able to demonstrate proficiency in the selection of appropriate computerized tools to complete designated tasks.

Prerequisite: Permission of instructor

OAD 241 Office Co-op 3 hours: 15I
This course is designed to provide the student with an opportunity to work in an office environment. Emphasis is on the integration of classroom learning with on-the-job experiences that relate meaningfully to office careers. Upon completion, the student should be able to demonstrate the ability to apply knowledge and skills gained in the classroom to an actual work situation.

Prerequisite: Permission of instructor

OAD 242 Office Internship 3 hours: 15I
This course is designed to provide the students with an opportunity to work in an office environment. Emphasis is on the efficient and accurate performance of job tasks. Upon completion, the student should be able to demonstrate successful performance of skills required in an office support position.

Prerequisite: Permission of instructor

ORI 101 Orientation to College 1 hour
This course is a graduation requirement for all degree or certificate-seeking students, and it should be completed during a student's first semester enrolled at GADSDEN STATE. The course emphasizes personal responsibility through the exploration of GADSDEN STATE regulations, campus facilities, and student services. It is also designed to help students develop effective study skills, critical thinking, and career goals. Upon completion of this course, students should be prepared to successfully manage learning experiences to meet educational and career goals.
ORT 100 Orientation for Career Students 1 hour
This course is a graduation requirement for all non-degree eligible students who are not allowed to enroll in any course creditable toward an associate degree, and it should be completed during a student's first semester enrolled at GADSDEN STATE. The course emphasizes personal responsibility through the exploration of GADSDEN STATE regulations, campus facilities, and student services. It is also designed to help students develop effective study skills, library skills, critical thinking, and career goals. Upon completion of this course, students should be prepared to successfully manage learning experiences to meet educational and career goals.

PED 100 Fundamentals of Fitness 3 hours: 3T
This lecture course includes the basic principles of physical education and physical fitness. It explores psychological and physiological effects of exercise and physical fitness, including effects on the human skeleton, muscle development, respiration, and coordination. It is viewed as an introduction to such laboratory courses as slimnastics, weight training, and conditioning. The course may also include fitness evaluation, development of individual fitness programs, and participation in fitness activities.

PED 109 Jogging 1 hour: 2M
This course covers the basic concepts involved in safely and effectively improving cardiovascular fitness. Emphasis is placed on walking, jogging, or running as a means of achieving fitness. Upon completion, students should be able to understand and appreciate the benefits derived from these activities.

PED 126 Recreational Games 1 hour: 2M
This course is designed to give an overview of a variety of recreational games and activities. Emphasis is placed on the skills and rules necessary to participate in a variety of lifetime recreational activities. Upon completion, students should be able to demonstrate an awareness of the importance of participating in lifetime recreational activities.

PED 138 Table Tennis 1 hour: 2M
The purpose of this course is to provide the student with the opportunity to acquire essential knowledge and to develop skills needed to participate in and enjoy table tennis. Singles and doubles tactics will be learned through demonstration and participation.

PED 142 Advanced Swimming 1 hour: 2M
This course introduces lap swimming, aquacises, water activities, and games. Emphasis is placed on improving cardiovascular efficiency through aquatic exercise. Upon completion, students should be able to develop an individualized aquatic fitness program. Prerequisite PED 141 or permission of instructor

PED 143 Aquatic Exercise 1 hour: 2M
This course introduces rhythmic aerobic activities and aquatic exercises performed in water. Emphasis is placed on increasing cardiovascular fitness levels, muscular strength, muscular endurance, and flexibility. Upon completion, students should be able to participate in an individually-paced exercise program. Prerequisite PED 142

PED 223 Methods of Instruction 3 hours
This course provides instruction for the student on specialized teaching techniques in becoming a wellness instructor. The student will learn the basis on instruction in the area of aerobic types of exercise and weight training. This course will enable the student to instruct as well as supervise these types of programs. The student will learn basic anatomy and exercise physiology as it applies to movement of the body during exercise. This course will address and explain safety and teaching methods for the exercise instructor in the development of a comprehensive fitness program.

PED 251 Varsity Basketball 1 hour: 2M
This course covers advanced fundamentals of basketball. Emphasis is placed on skill development, knowledge of the rules, and basic game strategy. Upon completion, students should be able to participate in competitive basketball. Prerequisite Permission of instructor

PED 254 Varsity Softball 1 hour: 2M
This course introduces the fundamental skills and rules of softball. Emphasis is placed on proper techniques and strategies for playing softball. Upon completion, students should be able to play competitive softball. Prerequisite Permission of instructor

PED 255 Varsity Tennis 1 hour: 2M
This course emphasizes the refinement of playing skills. Topics include continuing the development of fundamentals, learning advanced serves, strokes, pace, and strategy in singles and doubles play. Upon completion, students should be able to play competitive tennis. Prerequisite Permission of instructor

PED 258 Varsity Volleyball 1 hour: 2M
This course covers more advanced volleyball techniques. Emphasis is placed on refining skills and developing more advanced strategies and techniques. Upon completion, students should be able to participate in competitive...
volleyball. Prerequisite Permission of instructor

**PED 296 Practicum in Athletic Training I** 3 hours
This course will allow students to achieve real world, hands-on experience while assigned to a healthcare professional at local orthopedic clinics and/or athletic facilities. Students will observe, report, and assist in the treatment of athletic injuries.
Prerequisite BIO 201, BIO 202, HED 231 (First Aid), HED 232 (Care and Prevention of Athletic Injuries), and permission of instructor

**PED 297 Practicum in Athletic Training II** 3 hours
This course builds upon previous instruction and provides additional opportunities to develop competencies necessary to assess and intervene with athletic injuries while assigned to a healthcare professional at local orthopedic clinics and/or athletic facilities. **Prerequisite** PED 296 and permission of instructor

**PHL 206 Ethics and Society** 3 hours
This course involves the study of ethical issues that confront individuals in the course of their daily lives. The focus is on the fundamental questions of right and wrong, of human rights, and of conflicting obligations. The student should be able to understand and should be prepared to make decisions in life regarding ethical issues.

**PHS 111 Physical Science I** 4 hours: 3T, 2E
This course provides the non-technical student with an introduction to the basic principles of geology, oceanography, meteorology, and astronomy.

**PHS 112 Physical Science II** 4 hours: 3T, 2E
This course provides the non-technical student with an introduction to the basic principles of chemistry and physics.

**PHY 120 Introduction to Physics** 4 hours: 3T, 2E
This course provides an introduction to general physics for non-science majors. Topics include fundamentals of mechanics, properties of matter, heat and temperature, simple harmonic motion, SHM, waves and sound, electricity and magnetism, optics and modern physics. **Prerequisite** MTH 098 or higher.

**PHY 201 General Physics I Trig Based** 4 hours: 3T, 2E
This course is designed to cover general physics at a level that assures previous exposure to college algebra and basic trigonometry. Specific topics include mechanics, properties of matter and energy, thermodynamics, and periodic motion. **Prerequisite** PHY 201

**PHY 202 General Physics II Trig Based** 4 hours: 3T, 2E
This course is designed to cover general physics using college algebra and basic trigonometry. Specific topics include wave motion, sound, light, optics, electrostatics, circuits, magnetism, and modern physics. **Prerequisite** PHY 201

**PHY 213 General Physics with Calculus I** 4 hours: 3T, 2E
This course provides a calculus-based treatment of the principle subdivision of classical physics: mechanics and energy including thermodynamics. **Prerequisite** MTH 125 **Corequisite** MTH 125

**PHY 214 General Physics with Calculus II** 4 hours: 3T, 2E
This course provides a calculus-based study in classical physics. Topics include simple harmonic motion, waves, sound, light, optics, electricity, and magnetism. **Prerequisite** PHY 213 (General Physics with Calculus I)

**POL 211 American National Government** 3 hours
This course surveys the background, constitutional principles, organization, and operation of the American political system. Topics include the U.S. Constitution, federalism, civil liberties, civil rights, political parties, interest groups, political campaigns, voting behavior, elections, the presidency, bureaucracy, Congress, and the justice system. Upon completion, students should be able to identify and to explain relationships among the basic elements of American government and to function as more informed participants of the American political system.

**POL 220 State and Local Government** 3 hours
This course is a study of the forms of organization, functions, institutions, and operation of American state and local governments. Emphasis is placed on the variety of forms and functions of state and local governments, with particular attention to those in Alabama, and to the interactions between state and local governments and the national government. Upon completion, students should be able to identify elements of and explain relationships among the state, local, and national governments of the U.S., and to function as more informed participants of state and local political systems.

**POL 230 Comparative Government** 3 hours
This course introduces comparative analysis of political systems. Emphasis is placed on institutions and processes of
contemporary national political systems in selected democratic industrial nations. Upon completion, students should be able to compare and contrast the organization, institutions, and processes of major types of governmental systems of the world.

**POL 236  Survey of International Relations  3 hours**

This course is a survey of the basic forces affecting international relations. Topics include bases of national power, balance of power, causes of war, the international political economy, international law, international organization, and possible futures of international relations. Upon completion, students should be able to identify and discuss relevant terms and concepts, and identify, analyze, evaluate, and discuss the primary factors influencing the international relations of selected states.

**POR 101  Introductory Portuguese I  4 hours**

This course provides an introduction to Portuguese. Topics include the development of basic communication skills and the acquisition of basic knowledge of the cultures of Portuguese-speaking areas.

**POR 102  Introductory Portuguese II  4 hours**

This course is a continuation of POR 101 and includes the development of basic communication skills and the acquisition of basic knowledge of the cultures of Portuguese-speaking areas.

**PRL 101  Introduction to Paralegal Study  3 hours**

This course presents the ethical and professional responsibilities of the paralegal, as well as the limitations placed on the paralegal. It is designed to orient the student to the role of the paralegal and the lawyer as a legal team and to provide an overview of various legal concepts, career opportunities, and other related topics. The student must take PRL 101 and PRL 102 before taking any other paralegal courses.

**PRL 102  Basic Research and Writing  3 hours**

This course introduces the techniques of legal research and writing. Emphasis is placed on locating, analyzing, applying, and validating sources of law. Topics include legal research, legal writing, proper citation, and electronic research. The student will demonstrate the ability to perform legal research and writing assignments using techniques covered in this course. The student must take PRL 101 and PRL 102 before taking any other paralegal courses.

**PRL 103  Advanced Legal Research and Writing  3 hours**

This course requires the student to apply research, analysis, and writing techniques to substantive legal issues. Assignments include preparation of legal memoranda and other documents and the more efficient use of electronic research methods.

**PRL 160  Criminal Law and Procedure  3 hours**

This course introduces substantive and procedural criminal law including elements of state and federal crimes, defenses, constitutional issues, pre-trial process, and other related topics. Upon completion, students should be able to explain elements of specific crimes and assist an attorney in preparing a criminal case.

**PRL 210  Real Property Law  3 hours**

This course emphasizes the study of real property law. Topics include the distinction between real and personal property, various estates and interest in property, and the mechanics of conveyance, encumbrances, and closing procedures. Upon completion, the student will demonstrate the ability to identify estates, forms of deeds, recording requirements, and procedures used to enforce rights to real property.

**PRL 230  Domestic Law  3 hours**

This course covers laws governing domestic relations. Topics include marriage, separation, divorce, child custody, support, property division, adoption, domestic violence, and other related topics. The student will demonstrate the ability to draft divorce and support pleadings, separation agreements, and calculate child support according to the guidelines adopted by the state.

**PRL 240  Wills, Trusts, and Estates  3 hours**

This course covers wills, trusts, and inheritance. Topics include types of wills, the law of intestacy (inheritance), probating estates, and alternatives to probate. The course also covers trusts, medical directives, and associated litigation. Upon completion, the student will demonstrate the ability to draft simple wills, prepare estate forms, understand administration of estates, and understand terms regarding trusts.

**PRL 262  Civil Law and Procedure  3 hours**

This course examines the Federal Rules of Civil Procedure, the Alabama Rules of Civil Procedure, and trial
procedure. The student will demonstrate the ability to prepare a trial notebook for litigation purposes.

**Prerequisite**
PRL 291 Internship in Paralegalism 3 hours: 15I

This course provides students opportunities to work in paid or unpaid positions in which they apply paralegal skills and knowledge. This course requires six hours of class room instruction and a minimum of one hundred and thirty (130) hours of practical experience in the legal field, including work in law offices, municipal courts, banks, insurance companies, and governmental agencies, and with district and circuit court judges. Upon course completion, students will be able to apply in real-work settings competencies obtained in the PRL curriculum.

**Prerequisite**
PST 110 Introduction to Public Safety Communications 3 hours: 3T

This course provides the student with an introduction to telephone and radio communications skills, interpersonal communications, basics of call handling, legal issues in public safety communications and technologies for the telecommunicator. This course will provide the student information necessary to understand the job of a public safety telecommunicator and is the foundation to begin working in a police, fire, EMS, or combined service communications center.

**Prerequisite**
PST 111 Interpersonal Communications 3 hours: 3T

This course introduces the student to the basic concepts of interpersonal communications and oral communications necessary for the public safety telecommunicator to interact with public safety personnel and citizens of the community. Techniques to overcoming barriers, achieving effective communications, handling difficult callers, listening effectively and resolving conflicts will be addressed.

**Prerequisite**
PST 112 Legal Issues in Public Safety Telecommunications 3 hours: 3T

This course is designed to provide the student with an overview of legal issues impacting the public safety communication and telecommunication industry. The course will include a series of case studies which present a rational prospective of the liability exposure of the public safety telecommunicator. The course shall provide the student with legal principles and processes that when adhered, should guide toward minimizing liability exposure.

**Prerequisite**
PST 113 Introduction to Crisis Intervention 3 hours: 3T

This course is designed to provide the student with the critical principles in support of crisis intervention. This course shall present techniques for handling domestic violence, potential suicide, hostage and civil unrest situations as a public safety telecommunicator.

**Prerequisite**
PST 114 Introduction to Weapons of Mass Destruction 3 hours: 3T

This course is designed to provide the student with the basic principles needed to respond to a Weapons of Mass Destruction (WMD) event. The course will present the role and responsibilities of the public safety telecommunicator in dispatching assistance for aid and maintaining documentation of calls for assistance resulting from a WMD incident.

**Prerequisite**
PST 115 Emergency Medical Dispatching 3 hours: 3T

This course is designed to prepare the student to receive a call requesting assistance for emergency medical services (EMS) and allocate community resources in response to requests. Upon course completion, the student will be qualified to provide pre-arrival medical instructions to the caller, and post-dispatch information to the responding agencies.

**Prerequisite**
PST 220 Technologies in Public Safety Telecommunication and 911 3 hours: 3T

This course is designed to present to the student an overview of the rapidly advancing technology in public safety telecommunications. Topics include computer aided dispatch, radio and telephonic advances, mapping and Global Positioning System (GPS) technology, and information management technology.

**Prerequisite**
PST 221 Role in Hostage Negotiations 3 hours: 3T

This course is designed to provide the student critical knowledge of handling high risk calls. Many negotiation techniques will be addressed, including handling initial calls from suicide/barricaded subjects in a proper manner in order to assist hostage negotiators.

**Prerequisite**
PST 222 Handling of Hazardous Materials Event 3 hours: 3T

This course is designed to provide the student with the knowledge necessary in handling events involving hazardous material(s). Basic knowledge in communication management of special circumstances involving chemical, biological and radiological hazardous events will be addressed. Additional topics include Materials Identification, Personal Protective Equipment (PPE), Decontamination, Victim Rescue &amp; Recovery, and Evidence Preservation.

**Prerequisite**
PST 223 Human Resource Management in Public Safety Communications 3 hours: 3T

This course is an overview of human resources, federal employee regulations, Americans with Disabilities Act (ADA),
and the Family Medical Leave Act.

**PST 224 Financial Management in Public Safety Communications** 3 hours: 3T
This course is designed to acquaint the student with the basic financial principles of budgeting, purchasing, bid process, internal control, audit, and reporting for various communication agencies.

**PST 225 Management Principles in Public Safety Communications** 3 hours: 3T
This course is designed to provide an overview of communication center management. Topics include organizational theory, operational models, supervision, the evaluation process, and effective leadership.

**PST 226 Advanced Public Safety Communications** 3 hours: 3T
This course is designed as an in-depth study of telecommunication center operations. Topics include organizational structure, human resources, policies and procedure, budgetary processes, and legal/liability issues.

**PST 227 Location Identification** 3 hours: 3T
This course is designed to provide an overview of location identification technology as it relates to telecommunication operations. Topics include GPS technologies, providing directions, and GIS (Geographic Data Collection).

**PST 228 Technical Writing for Public Safety Communicators** 3 hours: 3T
This course is an introduction to the basic concepts for professional writing related to the communication center. Emphasis on the necessary skills for preparing standard operating procedures, training documents, and related materials.

**PSY 200 General Psychology** 3 hours
This course is a survey of behavior, with emphasis upon psychological processes. This course includes the biological bases for behavior, thinking, emotion, motivation, and the nature and development of personality.

**PSY 210 Human Growth and Development** 3 hours
This course is the study of the psychological, social, and physical factors that affect human behavior from conception to death. Prerequisite PSY 200

**PSY 230 Abnormal Psychology** 3 hours
This course is a survey of abnormal behavior and its social and biological origins. The anxiety-related disorders, psychoses, personality disorders, and mental deficiencies are covered. Prerequisite PSY 200

**RAD 111 Introduction to Radiography** 2 hours: 2T
This course provides students with an overview of radiography and its role in health care delivery. Topics include the history of radiology, professional organizations, legal and ethical issues, health care delivery systems, introduction to radiation protection, and medical terminology. Upon completion students will demonstrate foundational knowledge of radiologic sciences.

**RAD 112 Radiographic Procedures I** 4 hours: 3T, 1L
This course provides the student with instruction in anatomy and positioning of the Chest and Thorax, Upper and Lower Extremities, and Abdomen. Theory and laboratory exercises will cover radiographic positions and procedures. Upon completion of the course the student will demonstrate knowledge of anatomy and positioning skills, oral communication and critical thinking in both the didactic and laboratory settings.

**RAD 113 Patient Care** 2 hours: 1T, 1L
This course provides the student with concepts of patient care and pharmacology and cultural diversity. Emphasis in theory and lab is placed on assessment and considerations of physical and psychological conditions, routine and emergency. Upon completion, students will demonstrate/ explain patient care procedures appropriate to routine and emergency situations.

**RAD 114 Clinical Education I** 2 hours: 2c
This course provides students with the opportunity to correlate instruction with applications in the clinical setting. Students will be under the direct supervision of a qualified practitioner. Emphasis is on clinical orientation, equipment, procedures, and department policies. Upon completion of the course, the student will demonstrate practical applications of specific radiographic procedures identified in RAD 112.

**RAD 122 Radiographic Procedures II** 4 hours: 3T, 1L
This course provides students with instruction in anatomy and positioning of spine, cranium, body systems and special procedures. Theory and laboratory exercises will cover radiographic positions and procedures with applicable contrast media administration. Upon completion of the course students will demonstrate knowledge of anatomy and positioning skills, oral communication and critical thinking in both the didactic and laboratory settings.

**RAD 124 Clinical Education II** 5 hours: 5c
This course provides students with the opportunity to correlate previous instruction with applications in the clinical
setting. Students will be under the direct supervision of a qualified practitioner. Practical experience in a clinical setting will enable the student to apply theory presented thus far and to practice radiographic equipment manipulation, radiographic exposure, routine radiographic positioning, identification, and patient care techniques. Upon completion of the course, the student will demonstrate practical applications of radiographic procedures presented in current and previous courses.

**RAD 125 Imaging Equipment** 3 hours: 3T

This course provides students with knowledge of basic physics and the fundamentals of imaging equipment. Topics include information on x-ray production, beam characteristics, units of measurements, and imaging equipment components. Upon completion, students will be able to identify imaging equipment as well as provide a basic explanation of the principles associated with image production.

**RAD 134 Clinical Education III** 5 hours: 5c

This course provides students with the opportunity to correlate previous instruction with applications in the clinical setting. Students will be under the direct supervision of a qualified practitioner. Practical experience in a clinical setting enables students to apply theory presented thus far and to practice radiographic equipment manipulation, radiographic exposure, routine radiographic positioning, identification, and patient care techniques. Upon completion of the course, students will demonstrate practical applications of radiographic procedures presented in current and previous courses.

**RAD 135 Exposure Principles** 3 hours: 2T, 1l

This course provides students with the knowledge of factors that govern and influence the production of radiographic images and assuring consistency in the production of quality images. Topics include factors that influence density, contrast and radiographic quality as well as quality assurance, image receptors, intensifying screens, processing procedures, artifacts, and state and federal regulations. Upon completion students will demonstrate knowledge of radiographic imaging, processing, quality assurance, and explain factors that influence the production of radiographic images.

**RAD 136 Radiation Protection and Biology** 2 hours: 2T

This course provides students with principles of radiation protection and biology. Topics include radiation protection responsibility of the radiographer to patients, personnel and the public, principles of cell radiation interaction, radiation effects on cells and factors affecting cell response. Upon completion the student will demonstrate knowledge of radiation protection practices and fundamentals of radiation biology.

**RAD 212 Image Evaluation and Pathology** 2 hours: 1T, 1l

This course provides a basic understanding of the concepts of disease and provides the knowledge to evaluate image quality. Topics include evaluation criteria, anatomy demonstration and image quality with emphasis placed on a body system approach to pathology. Upon completion students will identify radiographic manifestations of disease and the disease process. Students will evaluate images in the classroom, laboratory and clinical settings.

**RAD 214 Clinical Education IV** 8 hours: 8C

This course provides students with the opportunity to correlate previous instruction with applications in the clinical setting. Students will be under the direct supervision of a qualified practitioner. Practical experience in a clinical setting enables students to apply theory presented thus far and to practice radiographic equipment manipulation, radiographic exposure, routine radiographic positioning, identification, and patient care techniques. Principles of computed tomography and cross-sectional anatomy will be presented. Upon completion of the course, students will demonstrate practical applications of radiographic procedures presented in current and previous courses.

**RAD 224 Clinical Education V** 8 hours: 8C

This course provides students with the opportunity to correlate previous instruction with applications in the clinical setting. Students will be under the direct supervision of a qualified practitioner. Practical experience in a clinical setting enables students to apply theory presented thus far and to practice radiographic equipment manipulation, radiographic exposure, routine radiographic positioning, identification, and patient care techniques. Principles of various imaging modalities will be presented. Upon completion of the course, students will demonstrate practical applications of radiographic procedures presented in current and previous courses.

**RAD 227 Review Seminar** 2 hours: 2T

This course provides a consolidated and intensive review of the basic areas of expertise needed by the entry level technologist. Topics include basic review of all content areas, radiographic management, test taking techniques and job seeking skills. Upon completion students will be able to pass comprehensive tests of topics covered in the Radiologic Technology Program.

**RDG 083 Developmental Reading I** 2 hours

This course is designed to assist students whose placement test scores indicate serious difficulty with decoding skills, comprehension, vocabulary, and study skills. Placement in this course is mandatory for students whose ACT
COMPASS reading score is below 32. Additionally, the grade a student earns in a developmental course (A, B, C, or U) does not factor into the student’s GPA (grade point average).

**RDG 084 Developmental Reading II**  
This course is designed to assist students whose placement test scores indicate serious difficulty with decoding skills, comprehension, vocabulary, and study skills.  
Prerequisite: RDG 083 or an ACT COMPASS reading placement score of 23-44

**RDG 085 Developmental Reading III**  
This course is designed to assist students whose placement test scores indicate serious difficulty with decoding skills, comprehension, vocabulary, and study skills.  
Prerequisite: RDG 084, recommendation by reading instructor, or an ACT COMPASS reading placement score of 45-75

**RDG 114 Critical Reading for College**  
This course is designed to enhance critical reading skills with application practice in a variety of course disciplines.  
Prerequisite: COMPASS reading placement score of 76 or above or permission of the instructor

**REL 151 Survey of the Old Testament**  
This course is an introduction to the content of the Old Testament with emphasis on the historical context and the contemporary theological and cultural significance of the Old Testament. The student should have an understanding of the significance of the Old Testament writings upon completion of this course.  
Prerequisite: COMPASS reading placement score of 76 or above or permission of the instructor

**REL 152 Survey of the New Testament**  
This course is a survey of the New Testament with special attention focused on the historical and geographical setting. The student should have an understanding of the books of the New Testament and the cultural and historical events associated with these writings.

**RTR 110 Realtime Reporting I / Laboratory**  
This course includes the study of computer-compatible, machine-stenographic theory principles, with an emphasis on clear, consistent, conflict-free writing; an introduction to the alphabetic and Arabic systems of writing numbers; the mastery of basic abbreviations; and speed development of 40-60 net word per minute (nwpm) on familiar material of higher-than-average syllabic density.  
Prerequisite: RDG 114

**RTR 115 Realtime Reporting Technology**  
This course is designed to provide students with competency in litigation support and computer-aided transcription of machine shorthand notes on several CAT systems. Attention will also be given to the word-processing functions of revising and editing, document storage and retrieval, merging texts, and printing documents.  
Prerequisite: RTR 110

**RTR 130 Realtime Reporting II / Laboratory**  
This course completes the study of computer-compatible, machine-stenographic theory principles and introduces computer-compatible Realtime Reporting abbreviations and phrases. Emphasis continues on speed development of 60-80 WPM on familiar material of higher-than-average syllabic density. Also included are machine-stenographic reporting and transcription of literary, jury charge, and testimony material.  
Prerequisite: RTR 115

**RTR 131 Civil and Criminal Law and Terminology for Real Time Reporters**  
This course includes substantive law, torts, contracts, personal property and agency, wills and estates, real property, family law, negotiable instruments, business organization, civil and criminal procedure (discovery, trial, and appellate processes), hearings and arbitrations, the legislative process, and legal and Latin terminologies attendant thereto.  
Prerequisite: RTR 130

**RTR 150 Realtime Reporting III / Laboratory**  
This course includes the machine-stenographic reporting and transcription of two-voice testimony, jury charge, and literary material, with an emphasis on speed development in each of the three timing categories; a continuation of the study of computer-compatible abbreviations, phrases, and number drills.  
Prerequisite: RTR 130

**RTR 170 Realtime Closed Captioning Technologies**  
This course is designed to instruct the student in utilizing Eclipse NT/Accucap software for captioning. Upon completion of the course, the student understands the basic setup of a captioning studio, equipment care and maintenance, implementation of functions and commands of software program, and troubleshooting skills.  
Prerequisite: RTR 130 or approval of program advisor

**RTR 171 Broadcast Captioning I/Laboratory**  
This course includes the machine-stenographic reporting and transcription of two-voice testimony, Alabama criminal and civil jury instructions, and an introduction to multi-voice proceedings. Speed development in each of the three
RTR 172 Broadcast Captioning II/Laboratory 5 hours: 3T, 4L
This course is designed to enable the student to operate a realtime translation system in the computer-integrated courtroom environment, deposition environment, classroom environment, broadcast environment, and in seminar, conference, and convention environments. This course includes the machine-stenographic reporting and transcription of two-voice testimony, Alabama criminal and civil jury instructions, and an introduction to multi-voice proceedings. Speed development in each of the three timing categories continues. Endurance-reporting workshops begin in this course. Prerequisite RTR 150

RTR 173 Broadcast Captioning III/Laboratory 5 hours: 3T, 4L
This course continues skill building in the realtime translation environments, with a focus on increasing speed and accuracy in the three timing categories. Prerequisite RTR 172

RTR 175 Realtime Closed Captioning Technology II 2 hours: 2T
This course is a continuation of RTR 170. Emphasis is placed on the advanced features of Eclipse NT/Accucap software for captioning, dictionary development, and Internet research techniques.

RTR 184 Realtime Lab I 2 hours: 4L
This course is designed to enable judicial and captioning students to enhance realtime skills through additional usage of software and equipment in perfecting theory principles and speed development skills in categories of Literacy, Jury Charge, and Q&A.

RTR 185 Realtime Lab II 2 hours: 4L
This course is designed to enable judicial and captioning students to enhance realtime skills through additional usage of software and equipment in perfecting theory principles and speed development skills in categories of Literacy, Jury Charge, and Q&A.

RTR 186 Realtime Lab III 2 hours: 4L
This course is designed to enable judicial and captioning students to enhance realtime skills through additional usage of software and equipment in perfecting theory principles and speed development skills in categories of Literacy, Jury Charge, and Q&A.

RTR 187 Realtime Lab IV 2 hours: 4L
This course is designed to enable judicial and captioning students to enhance realtime skills through additional usage of software and equipment in perfecting theory principles and speed development skills in categories of Literacy, Jury Charge, and Q&A.

RTR 188 Realtime Lab V 2 hours: 4L
This course is designed to enable judicial and captioning students to enhance realtime skills through additional usage of software and equipment in perfecting theory principles and speed development skills in categories of Literacy, Jury Charge, and Q&A.

RTR 189 Realtime Lab VI 2 hours: 4L
This course is designed to enable judicial and captioning students to enhance realtime skills through additional usage of software and equipment in perfecting theory principles and speed development skills in categories of Literacy, Jury Charge, and Q&A.

RTR 210 Realtime Reporting IV/Laboratory 5 hours: 3T, 4L
This course includes the machine-stenographic reporting and transcription of two-voice testimony, jury charge, and literary material, with an increased emphasis on speed development in each of the three timing categories; a review of computer-compatible abbreviations and phrases; and a continuation of advanced number drills. Prerequisite RTR 150

RTR 220 Realtime Reporting V/Laboratory 5 hours: 3T, 4L
This course includes the machine-stenographic reporting and transcription of two-voice testimony, Alabama criminal and civil jury instructions, and an introduction to multi-voice proceedings. Speed development in each of the three timing categories continues. Endurance-reporting workshops begin in this course. Prerequisite RTR 210

RTR 226 Judicial Procedures 3 hours: 3T
This course will instruct the student in the proper use of library and reference materials, including how to research citations. Additional emphasis is placed on correct procedures for the reading of notes and duties of note readers and scopists. The use of computer-aided transcription (CAT) and videotape technology is explained. Requirements for reporters, such as bonding, serving as a notary public, certifying documents, proper filing of records, and other official duties are discussed. Prerequisite RTR 131 and RTR 150
RTR 227 Moot Court Practicum I 5 hours: 3T, 4L
This course is designed to simulate deposition situations, utilizing actual transcripts. Speaker identification symbols are introduced. Speed and clarity are emphasized during read back of selected portions of notes. Emphasis is placed also on reporting techniques and punctuation essential to reflect accurately in machine-stenographic notes and transcript thereof various speech patterns, colloquial language, unreported events, and physical actions. This course and RTR 257 are taught in sequence. Prerequisite RTR 115 and minimum speed of 150 wpm or advisement

RTR 257 Moot Court Practicum II 5 hours: 3T, 4L
This course is a continuation of RTR 227, with the course now designed to simulate civil and criminal trial situations, utilizing actual transcripts. Prerequisite RTR 227

RTR 270 Realtime Reporting VI / Laboratory 5 hours: 3T, 4L
This course includes the continuation of accuracy and speed development in three timing categories. Lectures on expanded professional ethics and other situations are continued. Prerequisite RTR 220

RTR 275 Realtime Reporting Internship 2 hours: 10I
Students are assigned to college-approved internships where, under the guidance and supervision of official and/or general NCRA Registered Professional Reporters, they undergo extensive indoctrination in the duties and responsibilities of the profession. Prerequisite RTR 210 and/or as required by program

RTR 292 Broadcast Captioning Internship 3 hours: 15I
This course is designed to enable the student to spend a minimum of 40 hours of captioning in an approved freelance, official, and/or realtime captioning setting and produce a salable transcript of proceedings. The student will observe procedures, caption realtime material, receive on-the-job training under the guidance of experienced reporters and broadcast captioners, and participate in classroom activities related to the internship experience. Prerequisite RTR 290

RTR 295 Selected Topics in Realtime Reporting 5 hours each: 3T, 4L each
This course will be offered to students who fail to achieve the speed requirements by the end of the current semester. Each course emphasizes speed building in the three timing categories.

RTR 296 Selected Topics in Realtime Reporting 5 hours each: 3T, 4L each
This course will be offered to students who fail to achieve the speed requirements by the end of the current semester. Each course emphasizes speed building in the three timing categories.

RTR 297 Selected Topics in Realtime Reporting 5 hours each: 3T, 4L each
This course will be offered to students who fail to achieve the speed requirements by the end of the current semester. Each course emphasizes speed building in the three timing categories.

RTR 298 Selected Topics in Realtime Reporting 5 hours each: 3T, 4L each
This course will be offered to students who fail to achieve the speed requirements by the end of the current semester. Each course emphasizes speed building in the three timing categories.

RTR 299 Selected Topics in Realtime Reporting 5 hours each: 3T, 4L each
This course will be offered to students who fail to achieve the speed requirements by the end of the current semester. Each course emphasizes speed building in the three timing categories.

SOC 200 Introduction to Sociology 3 hours
This course is an introduction to vocabulary, concepts, and theory of sociological perspectives of human behavior.

SOC 208 Introduction to Criminology 3 hours
This course delves into the nature and extent of crime in the United States, as well as criminal delinquent behavior and theories of causation. The study includes criminal personalities, principles of prevention, control, and treatment.

SOC 209 Juvenile Delinquency 3 hours
This course examines the causes of delinquency. It also reviews programs of prevention and control of juvenile delinquency, as well as the role of the courts.

SOC 210 Social Problems 3 hours
This course examines the social and cultural aspects, influences, and characteristics of current social problems in light of sociological theory and research. Prerequisite SOC 200

SOC 217 Criminal and Deviant Behavior 3 hours
This course is an analysis of criminal and deviant behavior with emphasis on sociological and psychological theories of crimes causation. Prerequisite CRJ / SOC 208 or SOC 200
SOC 247 Marriage and the Family 3 hours
This course is a study of family structures and families in a modern society. It covers preparation for marriage, as well as sociological, psychological, biological, and financial factors relevant to success in marriage and family life.
Prerequisite SOC 200

SPA 101 Introductory Spanish 4 hours
This course provides an introduction to Spanish. Topics include the development of basic communication skills and the acquisition of basic knowledge of the cultures of Spanish-speaking areas.

SPA 102 Introductory Spanish II 4 hours
This course, a continuation of SPA 101, includes the development of basic communication skills and the acquisition of basic knowledge of the cultures of Spanish-speaking areas. Prerequisite SPA 101 or equivalent

SPA 201 Intermediate Spanish I 3 hours
This course includes a review and further development of communication skills. Topics include readings of literary, historical, and/or cultural texts. Prerequisite SPA 102 or equivalent

SPA 202 Intermediate Spanish II 3 hours
This course, a continuation of SPA 201, includes a review and further development of communication skills. Topics include readings of literary, historical, and/or cultural texts. Prerequisite SPA 201 or equivalent

SPC 103 Oral Communication Skills 3 hours
This course introduces the basic concepts of interpersonal communication and the oral communication skills necessary to interact with co-workers and customers, and to work effectively in teams. Topics include overcoming barriers to effective communication, effective listening, applying the principles of persuasion, utilizing basic dynamics of group discussion, conflict resolution, and positive communication patterns in the business setting. Upon completion, students should be able to demonstrate interpersonal communication skills, to apply basic principles of group discussion, to develop a business-like personality, and to present themselves effectively before co-workers and the public. This course does not satisfy the general education component for a degree.

SPH 106 Fundamentals of Oral Communication 3 hours
This is a performance course that includes the principles of human communication: intrapersonal, interpersonal, and public. It surveys current communication theory and provides practical application.

SPH 107 Fundamentals of Public Speaking 3 hours
This course explores principles of audience and environment analysis as well as the actual planning, rehearsing, and presenting of formal speeches to specific audiences. Historical foundations, communication theories, and student performances are emphasized.

SPH 108 Voice and Diction 3 hours
This course provides training for improvement in use of the speaking voice. Attention is focused on range, flexibility, clarity of articulation, and standards of pronunciation with individual help in the correction of faulty speech habits. A study of the International Phonetic Alphabet is included.

SPH 116 Introduction to Interpersonal Communication 3 hours
This course is an introduction to the basic principles of interpersonal communication.

SUR 101 Introduction to Surgical Technology 3 hours: 3T
This course introduces the student to the surgical environment. Emphasis is placed on principles of microbiology, identification of surgical instruments, equipment, and supplies, proper patient positioning for surgical procedures, and professional, ethical, and legal responsibilities of the surgical team. Upon completion of this course, the student should be able to name and select basic surgical instruments, supplies, and equipment, describe methods to maintain a sterile environment, and recognize members of the operating room team according to their roles.

SUR 102 Applied Surgical Techniques 4 hours: 2T, 6S
This course is the application of principles of asepsis and the role of the surgical technologist. Emphasis is placed on creating and maintaining a sterile environment, and applying skills of interoperative procedures. Upon completion of this course, the student should be able to participate in mock surgical procedures.

SUR 103 Surgical Procedures 5 hours: 3T, 6S
This course is a study of surgical procedures as they relate to anatomy, pathology, specialty equipment, and team responsibility. Patient safety is emphasized and medications used in surgery are discussed. Upon completion of the course, the student should be able to participate in surgical procedures in the operating room.

Corequisite SUR 104
SUR 104 Surgical Practicum I 4 hours: 12c
This course is the application of perioperative principles in the perioperative setting. Emphasis is placed on application of the surgical technologist. Upon completion of the course, the student should be able to participate in the surgical technologist role. Corequisite SUR 103

THR 113 Theater Workshop I 2 hours each
This course will provide practical experience in the production and performance of a dramatic presentation with assignments in scenery, lighting, props, choreography, sound, costumes, make up, publicity, acting, directing, and other aspects of theater production.

THR 114 Theater Workshop II 2 hours each
This course will provide practical experience in the production and performance of a dramatic presentation with assignments in scenery, lighting, props, choreography, sound, costumes, make up, publicity, acting, directing, and other aspects of theater production.

THR 115 Theater Workshop III 2 hours each
This course will provide practical experience in the production and performance of a dramatic presentation with assignments in scenery, lighting, props, choreography, sound, costumes, make up, publicity, acting, directing, and other aspects of theater production.

THR 120 Theater Appreciation 3 hours
This course is designed to increase appreciation of contemporary theater. Emphasis is given to the theater as an art form through the study of the history and theory of drama and the contributions of playwright, actor, director, designer, and technician to modern media. Attendance at theater productions may be required.

THR 126 Introduction to Theater 3 hours
This course is designed to teach the history of the theater and the principles of drama. It also covers the development of theater production and the study of selected plays as theatrical presentations.

THR 131 Acting Techniques I 3 hours
This is the first course of a two-course sequence in which the student will focus on the development of the body and voice as the performing instruments in acting. Emphasis is placed on pantomime, improvisation, acting exercises, and building characterizations in short acting scenes.

THR 132 Acting Techniques II 3 hours
This course is a continuation of THR 131. Prerequisite THR 131

THR 213 Theater Workshop IV 2 hours each
THR 213, 214, 215 are continuations of THR 113, THR 114, and THR 115

THR 214 Theater Workshop V 2 hours each
THR 213, 214, 215 are continuations of THR 113, THR 114, and THR 115

THR 215 Theater Workshop VI 2 hours each
THR 213, 214, 215 are continuations of THR 113, THR 114, and THR 115

THR 281 Stage Movement I 3 hours each
This course will enable the student to understand the importance of body language in communication on and off the stage. It also offers theatrical training of classical pantomime techniques, stunt and stage fencing techniques, and physical choreographical memory training.

THR 282 Stage Movement II 3 hours each
This course will enable the student to understand the importance of body language in communication on and off the stage. It also offers theatrical training of classical pantomime techniques, stunt and stage fencing techniques, and physical choreographical memory training.

WDT 108 SMAW Fillet/OFC 3 hours: 2T, 3L
This course provides the student with instruction on safety practices and terminology in the Shielded Metal Arc Welding (SMAW) process. Emphasis is placed on safety, welding terminology, equipment identification, set-up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and identification of shop equipment and provides the student with the skills and knowledge necessary for the safe operation of oxy-fuel cutting. NDC Prerequisite As required by College CORE

WDT 109 SMAW Fillet/PAC/CAC 3 hours: 2T, 3L
This course provides the student with instruction on safety practices and terminology in the Shielded Metal Arc Welding (SMAW) process. Emphasis is placed on safety, welding terminology, equipment identification, set-up and operation, and related information in the SMAW process. This course also covers the rules of basic safety and
identification of shop equipment and provides the student with the skills and knowledge necessary for the safe operation of carbon arc cutting and plasma arc cutting. NDC Prerequisite As required by College CORE

WDT 110  Industrial Blueprint Reading  3 hours: 3T
This course provides students with the understanding and fundamentals of industrial blueprint reading. Emphasis is placed on reading and interpreting lines, views, dimensions, weld joint configurations and weld symbols. Upon completion, students should be able to interpret welding symbols and blueprints as they apply to welding and fabrication. NDC Prerequisite As required by College CORE

WDT 115  GTAW Carbon Pipe  3 hours: 1T, 4L
This course is designed to provide the student with the practices and procedures of welding carbon pipe using the gas tungsten arc weld (GTAW) process. Emphasis is placed on pipe positions, filler metal selection, purging gasses, joint geometry, joint preparation and fit-up. Upon completion, students should be able to identify pipe positions, filler metals, purging gas, proper joint geometry, joint preparation and fit-up to the applicable code.
Prerequisite As required by College

WDT 116  GTAW Stainless Pipe  3 hours: 1T, 4L
This course is designed to provide the student with the practices and procedures of welding stainless steel pipe using the gas tungsten arc weld (GTAW) process. Emphasis is placed on pipe positions, filler metal selection, purging gasses, joint geometry, joint preparation and fit-up. Upon completion, students should be able to identify pipe positions, filler metals, purging gas, proper joint geometry, joint preparation, and fit-up to the applicable code. NDC
Prerequisite As required by College

WDT 119  Gas Metal Arc/Flux Cored Arc Welding  3 hours: 2T, 3L
This course introduces the student to the gas metal arc and flux cored arc welding process. Emphasis is placed on safe operating practices, handling and storage of compressed gasses, process principles, component identification, various welding techniques, and base and filler metal identification. NDC
Prerequisite As required by College CORE

WDT 120  Shielded Metal Arc Welding Groove  3 hours: 2T, 3L
This course provides the student with instruction on joint design, joint preparation, and fit-up of groove welds in accordance with applicable welding codes. Emphasis is placed on safe operation, joint design, joint preparation, and fit-up. Upon completion, students should be able to identify the proper joint design, joint preparation and fit-up of groove welds in accordance with applicable welding codes. NDC Prerequisite As required by College

WDT 122  SMAW Fillet/OFC Lab  3 hours: 6L
This course is designed to introduce the student to the proper set-up and operation of the shielded metal arc welding equipment. Emphasis is placed on striking and controlling the arc and proper fit up of fillet joints. This course is also designed to instruct students in the safe operation of oxy-fuel cutting. Upon completion, students should be able to make fillet welds in all positions using electrodes in the F-3 groups in accordance with applicable welding code and be able to safely operate oxy-fuel equipment and perform those operations as per the applicable welding code. NDC
Prerequisite As required by College

WDT 123  SMAW Fillet/PAC/CAC Lab  3 hours: 6L
This course is designed to introduce the student to the proper set-up and operation of the shielded metal arc welding equipment. Emphasis is placed on striking and controlling the arc and proper fit up of fillet joints. This course is also designed to instruct students in the safe operation of plasma arc and carbon arc equipment and perform those operations as per applicable welding code. NDC Prerequisite As required by College

WDT 124  Gas Metal Arc/Flux Cored Arc Welding Lab  3 hours: 9L
This course provides instruction and demonstration using the various transfer methods and techniques to gas metal arc and flux cored arc welds. Topics included are safety, equipment set-up, joint design and preparation, and gases. NDC Prerequisite As required by College

WDT 125  Shielded Metal Arc Welding Groove Lab  3 hours: 9L
This course provides instruction and demonstrations in the shielded metal arc welding process on carbon steel plate with various F3 and F4 group electrodes in all positions. Emphasis is placed on welding groove joints and using various F3 and F4 group electrodes in all positions. Upon completion, the student should be able to make visually acceptable groove weld joints in accordance with applicable welding codes. NDC
Prerequisite As required by College

WDT 155  GTAW Carbon Pipe Lab  3 hours: 9L
This course is designed to provide the student with the skills in welding carbon steel pipe with gas tungsten arc
welding techniques in various pipe weld positions. Upon completion, students should be able to perform gas tungsten arc welding on carbon steel pipe with the prescribed filler metals in various positions in accordance with the applicable code. NDC  Prerequisite WDT 115 and/or as required by College

**WDT 156 GTAW Stainless Pipe Lab** 3 hours: 9L
This course is designed to provide the student with the skills in welding stainless steel pipe with gas tungsten arc welding techniques in various pipe weld positions. Upon completion, students should be able to perform gas tungsten arc welding on stainless steel pipe with the prescribed filler metals in various positions in accordance with the applicable code. NDC  Prerequisite WDT 116 and/or as required by College

**WDT 157 Consumable Welding Processes** 3 hours: 1T, 6L
This course provides instruction and demonstration with the consumable welding processes to produce groove and fillet welds in all positions, according to applicable welding codes. Topics include safe operating practices, equipment identification, equipment set-up, correct selection of electrode, current/polarity, shielding gas, and base metals. NDC  Prerequisite As required by College

**WDT 158 Consumable Welding Processes Lab** 3 hours: 6L
This course provides instruction and demonstration with the consumable welding processes to produce groove and fillet welds in all positions, according to applicable welding codes. Topics include safe operating practices, equipment identification, equipment set-up, correct selection of electrode, current/polarity, shielding gas, and base metals. Upon completion, the student should be able to produce groove and fillet welds, using consumable welding processes according to AWS Codes and Standards. NDC  Prerequisite WDT 157 and/or as required by College

**WDT 160 Robotic Programming and Welding** 3 hours: 1T, 4L
This program introduces students to the safety and programming associated with robotic welding technology. Topics include robotic weld station familiarity, safety, robotic motions, programming, and welding inspection. Upon completion, the student should be able to setup and program a robot to weld parts in an efficient and safe manner. NDC

**WDT 166 Flux Core Arc Welding (FCAW)** 3 hours: 2T, 3L
This course provides instruction and demonstration with the flux core arc welding process to produce groove and fillet welds in all positions, according to applicable welding codes. Topics include safe operating practices, equipment identification, equipment set-up, correct selection of fillers, current/polarity, shielding gas, and base metals. Upon completion, the student should be able to produce groove and fillet welds, using the FCAW welding process, according to AWS Codes and Standards. NDC  Prerequisite As required by College

**WDT 167 Flux Core Arc Welding Lab** 3 hours: 6L
This course provides instruction and demonstration with the flux core arc welding process to produce groove and fillet welds in all positions, according to applicable welding codes. Topics include safe operating practices, equipment identification, equipment set-up, correct selection of filler metals, current/polarity, shielding gas, and base metals. Upon completion, the student should be able to produce groove and fillet welds using the FCAW welding process, according to AWS Codes and Standards. NDC  Prerequisite As required by College

**WDT 180 Special Topics** 3 hours: 1T, 6L
This course allows the student to plan, execute, and present results of individual projects in welding. Emphasis is placed on enhancing skill attainment in the welding field. The student will be able to demonstrate and apply competencies identified and agreed upon between the student and instructor. NDC  Prerequisite As required by College

**WDT 181 Special Topics Lab** 3 hours: 6L
This course provides specialized instruction in various areas related to the welding industry. Emphasis is placed on meeting students’ needs. NDC  Prerequisite As required by College

**WDT 182 Special Topics** 3 hours: 1T, 6L
This course allows the student to plan, execute, and present results of individual projects in welding. Emphasis is placed on enhancing skill attainment in the welding field. The student will be able to demonstrate and apply competencies identified and agreed upon between the student and instructor. NDC  Prerequisite As required by College

**WDT 183 Special Topics** 2 hours: 1T, 2L
This course allows the student to plan, execute, and present results of individual projects in welding. Emphasis is placed on enhancing skill attainment in the welding field. The student will be able to demonstrate and apply competencies identified and agreed upon between the student and instructor. Prerequisite(s): As required by college.
WDT 183 M  Special Topics Lab  3 hours: 6L
This course provides specialized instruction in various areas related to the welding industry. Emphasis is placed on meeting students' needs in the safe operation of basic metal machining processes using; lathe, milling machine, and drill presses for preparation of welding coupons. NDC  Prerequisite  As required by College.

WDT 184 Special Topics  1 hours: 2L
This course allows the student to plan, execute, and present results of individual projects in welding. Emphasis is placed on enhancing skill attainment in the welding field. The student will be able to demonstrate and apply competencies identified and agreed upon between the student and instructor.
Prerequisite  As required by college

WDT 185 Special Topics Lab  3 hours: 3T
This course provides specialized instruction in various areas related to the welding industry. Emphasis is placed on meeting students' needs. NDC  Prerequisite  As required by college.

WDT 193 Co-Op  3 hours: 15L
These courses constitute a series wherein the student works on a part-time basis in a job directly related to welding. In these courses the employer evaluates the student's productivity, and the student submits a descriptive report of his work experiences. Upon completion, the student will demonstrate skills learned in an employment setting. NDC  Prerequisite  As required by College.

WDT 217 SMAW Carbon Pipe  3 hours: 1T, 4L
This course introduces the student to the practices and procedures of welding carbon steel pipe, using the shielded metal arc weld (SMAW) process. Emphasis is placed on pipe positions, electrode selection, joint geometry, joint preparation, and fit-up. Upon completion, students should be able to identify pipe positions, electrodes, proper joint geometry, joint preparation, and fit-up in accordance with applicable code. NDC  Prerequisite  As required by College.

WDT 218 Certification  3 hours: 1T, 4L
This course is designed to provide the student with the knowledge needed to perform welds using the prescribed welding process. Emphasis is placed on the welding test joints in accordance with the prescribed welding code. Upon completion, students should be able to pass an industry standard welding test in accordance with various applicable welding code requirements. NDC  Prerequisite  As required by College.

WDT 219 Welding Inspection & Testing  3 hours: 3T
This course provides the student with inspection skills and knowledge necessary to evaluate welded joints and apply quality control measures as needed. Emphasis is placed on interpreting welding codes, welding procedures, and visual inspection methods. Upon completion, students should be able to visually identify visual acceptable weldments as prescribed by the code or welding specification report. NDC  Prerequisite  As required by College.

WDT 221 Pipefitting and Fabrication  3 hours: 1T, 4L
This course provides the student with skills and practices necessary for fabricating pipe plans using pipe and fittings. Emphasis is placed on various pipe fittings to include various degree angles. Upon completion, students should be able to fit various pipe fittings and cut and fabricate tees and assorted angles. NDC  Prerequisite  As required by College.

WDT 223 Blueprint Reading for Fabrications  3 hours: 1T, 4L
This course provides a student with advanced skills in identifying and interpreting lines, views, dimensions, notes, bill of materials, and the use of tools of the trade. Emphasis is placed on figuring dimensional tolerances, layout, and fitting of different component parts. Upon course completion, a student should be able to interpret, layout, and fabricate from blueprints to given tolerances. NDC  Prerequisite  As required by College.

WDT 228 Gas Tungsten Arc Welding  3 hours: 2T, 3L
This course provides students with knowledge needed to perform gas tungsten arc welds, using ferrous and/or non-ferrous metals, according to applicable welding codes. Topics include safe operating practices, equipment identification and set-up, correct selection of tungsten type, polarity, shielding gas, and filler metals. Upon completion, a student should be able to identify safe operating practices, equipment identification and setup, correct selection of tungsten type, polarity, shielding gas, filler metals, and various welds on ferrous and/or non-ferrous metals, using the gas tungsten arc welding process according to applicable welding codes. NDC  Prerequisite  As required by College.

WDT 229 Boiler Tube  3 hours: 1T, 4L
This course is designed to provide the student with the practices and procedures of welding boiler tubes using the gas tungsten arc and shielded metal arc welding process to the applicable code. Emphasis is placed on tube fit-up, tube welding technique, and code requirements. Upon completion, students should be able to identify code
requirements and tube welding technique. NDC

**WDT 230 Orbital Gas Tungsten Arc Welding** 3 hours: 1T, 4L
This course provides student with skills needed to perform orbital gas tungsten arc pipe welds using ferrous and/or non-ferrous metals according to applicable welding codes. Topics include safe operating practices, equipment identification and set-up, correct selection of tungsten type, polarity, shielding gas and filler metals. NDC
Prerequisite As required by college.

**WDT 240 Orbital Gas Tungsten Arc Welding Lab** 3 hours: 6L
This course is designed to provide the student with the practices and procedures of welding carbon pipe using the orbital gas tungsten arc welding process (GTAW). Emphasis is placed on welding pipe using the orbital GTAW process in the 2G, 5G and 6G positions to code requirements. NDC
Prerequisite As required by college.

**WDT 250 Pipe Preparation for Orbital Welding Lab** 3 hours: 6L
This course provides practical application of the concepts and principles of machining conventional and narrow groove pipe end bevels using hydraulic and pneumatic equipment for precision orbital welding applications. NDC
Prerequisite As required by college.

**WDT 257 SMAW Carbon Pipe Lab** 3 hours: 6L
This course is designed to provide the student with the skills in welding carbon steel pipe with shielded metal arc welding techniques in various pipe welding positions. Upon completion, students should be able to perform shielded metal arc welding on carbon steel pipe with the prescribed electrodes in various positions in accordance with the applicable code. NDC

**WDT 258 Certification Lab** 3 hours: 6L
This course is designed to provide the student with the skills needed to perform welds using the prescribed welding process. Emphasis is placed on the welding test joints in accordance with the prescribed welding code. Upon completion, students should be able to pass an industry standard welding test in accordance with various welding code requirements. NDC
Prerequisite WDT 218 and/or as required by College.

**WDT 268 Gas Tungsten Arc Lab** 3 hours: 9L
This course provides student with skills needed to perform gas tungsten arc welds, using ferrous and/or non-ferrous metals, according to applicable welding codes. Topics include safe operating practices, equipment identification and set-up, correct selection of tungsten type, polarity, shielding gas, and filler metals. Upon completion, a student should be able to identify safe operating practices, equipment identification and setup, correct selection of tungsten type, polarity, shielding gas, filler metals, and various welds on ferrous and/or non-ferrous metals, using the gas tungsten arc welding process according to applicable welding codes. NDC
Prerequisite WDT 228 and/or as required by College.

**WDT 269 Boiler Tube Lab** 3 hours: 6L
This course is designed to provide the student with the skills in welding boiler tubes using the gas tungsten arc and shielded metal arc welding process using filler metals in the F6 and F4 groups to applicable code. Emphasis is placed on welding boiler tubes using the gas tungsten arc and shielded metal arc welding process in the 2G and 6G positions in accordance with the applicable code. Upon completion, students should be able to perform gas tungsten arc and shielded metal arc welding on boiler tubes with the prescribed filler metals in the 2G and 6G positions to the applicable code. NDC
Prerequisite As required by College.

**WDT 281 Special Topics in Welding Technology** 3 hours: 9L
This course provides specialized instruction in various areas related to the welding industry. Emphasis is placed on meeting students' needs. NDC
Prerequisite As required by College.

**WDT 291 Co-Op** 3 hours: 15I
These courses constitute a series wherein the student works on a part-time basis in a job directly related to welding. In these courses the employer evaluates the student's productivity, and the student submits a descriptive report of his work experiences. Upon completion, the student will demonstrate skills learned in an employment setting. NDC
Prerequisite As required by College.

**WDT 292 Co-Op** 3 hours: 15I
These courses constitute a series wherein the student works on a part-time basis in a job directly related to welding. In these courses the employer evaluates the student's productivity, and the student submits a descriptive report of his work experiences. Upon completion, the student will demonstrate skills learned in an employment setting. NDC
Prerequisite As required by College.
Computer Science and Natural Sciences

Computer Science

CIS 147 Advanced Micro Applications 3 hours
This course is a continuation of CIS 146 in which students utilize the advanced features of topics in CIS 146 and introduce additional topics of office suite software. Advanced features of word processing, spreadsheets, database, and presentation packages among other topics are generally incorporated into the course and are to be applied to situations found in society and business. Upon completion, the student should be able to apply the advanced features of selected software appropriately to typical problems found in society and business. Pre-Requisite CIS 146

CIS 203 Introduction to the Information Highway 3 hours
This course introduces the student to the basic principles of the information highway. Students will be exposed to different network information, commercial information services and the use of appropriate editors or software to introduce construction of Web environments. Pre-Requisite CIS 146 or equivalent experience

CIS 207 Introduction to Web Development 3 hours
This course introduces basic Web page development techniques. Topics include HTML, scripting languages, and commercial software packages used in the development of Web pages. Pre-Requisite CIS 146

Natural Sciences

AST 220 Introduction to Astronomy 4 hours: 3T, 2E
This course covers the history of astronomy and the development of astronomical thought leading to the birth of modern astronomy and its most recent development. Emphasis is placed on the coverage of astronomical instruments and measuring technologies, the solar system, the Milky Way galaxy, important extra galactic objects and cosmology.

BIO 103 Principles of Biology I 4 hours: 3T, 2E
This is an introductory course for science and non-science majors. It covers physical, chemical, and biological principles common to all organisms. These principles are explained through a study of cell structure and function, cellular reproduction, basic biochemistry, cell energetics, the process of photosynthesis, and Mendelian and molecular genetics. Also included are the scientific method, basic principles of evolution, and an overview of the diversity of life with emphasis on viruses, prokaryotes, and protista.

BIO 104 Principles of Biology II 4 hours: 3T, 3E
This is an introduction to the basic ecological and evolutionary relationships of plants and animals and a survey of plant and animal diversity including classification, morphology, physiology, and reproduction. Pre-Requisite BIO 103

BIO 201 Human Anatomy and Physiology I 4 hours: 3T, 2E
This course covers the structure and function of the human body. Included is an orientation of the human body, basic principles of chemistry, a study of cells and tissues, metabolism, joints, the integumentary, skeletal, muscular, nervous systems, and the senses. Dissection, histological studies, and physiology are featured in the laboratory experience. Pre-Requisite BIO 103

BIO 202 Human Anatomy and Physiology II 4 hours: 3T, 2E
This course covers the structure and function of the human body. Included is a study of basic nutrition, basic principles of water, electrolyte and acid-base balance, the endocrine, respiratory, digestive, excretory, cardiovascular, lymphatic, and reproductive systems. Dissection, histological studies, and physiology are featured in the laboratory experience. Pre-Requisite 201

BIO 206 Human Anatomy 4 hours: 3T, 2E
This course covers the basic structure and function of the human body. Emphasis is placed on the structure of the organ systems, cells, and tissues. Mammalian dissection and histological studies are featured in the required laboratory. Pre-Requisite BIO 103

BIO 220 General Microbiology 4 hours: 2T, 4E
This course includes historical perspectives, cell structure and function, microbial genetics, infectious diseases, immunology, distribution physiology, culture, identification, classification, and disease control of microorganisms. The laboratory experience includes micro-techniques distribution, culture, identification, and control. Pre-Requisite BIO 103

CHM 104 Introduction to Inorganic Chemistry 4 hours: 3T, 3E
This is a survey course of general chemistry for students who do not intend to major in science or engineering; it may not be substituted for CHM 111. Lecture will emphasize the facts, principles, and theories of general chemistry including math operations, matter and energy, atomic structure, symbols and formulas, nomenclature, the periodic table, bonding concepts, equations, stoichiometry, gas laws, phases of matter, solutions, pH, and equilibrium reactions. Pre-Requisite MTH 098 or equivalent math placement score
### CHM 105  Introduction to Organic Chemistry  4 hours: 3T, 3E
This is a survey course of organic chemistry and biochemistry for students who do not intend to major in science or engineering. Topics include basic nomenclature, classification of organic compounds, typical organic reactions, reactions involved in life processes, function of biomolecules, and the handling and disposal of organic compounds.  
Pre-Requisite: CHM 104 or CHM 111

### CHM 111  College Chemistry I  4 hours: 3T, 3E
This is the first course in a two-semester sequence designed for the science or engineering major who is expected to have a strong background in mathematics. Topics include measurement, nomenclature, stoichiometry, atomic structure, equations and reactions, basic concepts of thermochemistry, chemical and physical properties, bonding, molecular structure, gas laws, kinetic-molecular theory, condensed matter, solutions, colloids, and some descriptive chemistry topics.  
Pre-Requisite: MTH 112 (Precalculus Algebra or equivalent math placement score)

### CHM 112  College Chemistry II  4 hours: 3T, 3E
This is the second course in a two-semester sequence designed primarily for the science or engineering student who is expected to have a strong background in mathematics. Topics include chemical kinetics, chemical equilibria, acids and bases, ionic equilibria of weak electrolytes, solubility product principle, chemical thermodynamics, electrochemistry, oxidation-reduction, nuclear chemistry, an introduction to organic chemistry and biochemistry, atmospheric chemistry, and selected topics in descriptive chemistry including the metals, nonmetals, semimetals, coordination compounds, transition compounds, and post-transition compounds.  
Pre-Requisite: CHM 111 (College Chemistry I)

### CHM 221  Organic Chemistry  4 hours: 3T, 3E
This is the first course in a two-semester sequence. Topics include nomenclature, structure, physical and chemical properties, synthesis, and typical reactions for aliphatic, alicyclic, and aromatic compounds with special emphasis on reaction mechanisms, spectroscopy, and stereochemistry. Laboratory is required and will include the synthesis and confirmation of representative organic compounds with emphasis on basic techniques.  
Pre-Requisite: CHM 112 (College Chemistry II)

### CHM 222  Organic Chemistry II  4 hours: 3T, 3E
This is the second course in a two-semester sequence. Topics include nomenclature; structure; physical and chemical properties; synthesis; typical reactions for aliphatic, alicyclic, aromatic, and biological compounds; and polymers and their derivatives, with special emphasis on reaction mechanisms, spectroscopy, and stereochemistry. The required laboratory will include the synthesis and confirmation of representative organic compounds with emphasis on basic techniques.  
Pre-Requisite: CHM 221 (Organic Chemistry I)

### PHS 111  Physical Science I  4 hours: 3T, 2E
This course provides the non-technical student with an introduction to the basic principles of geology, oceanography, meteorology, and astronomy.

### PHS 112  Physical Science II  4 hours: 3T, 2E
This course provides the non-technical student with an introduction to the basic principles of chemistry and physics.

### PHY 201  General Physics I Trig Based  4 hours: 3T, 2E
This course is designed to cover general physics at a level that assures previous exposure to college algebra and basic trigonometry. Specific topics include mechanics, properties of matter and energy, thermodynamics, and periodic motion.  
Pre-Requisite: MTH 113 or equivalent

### PHY 202  General Physics II Trig Based  4 hours: 3T, 2E
This course is designed to cover general physics using college algebra and basic trigonometry. Specific topics include wave motion, sound, light, optics, electrostatics, circuits, magnetism, and modern physics.  
Pre-Requisite: PHY 201

### PHY 213  General Physics with Calculus I  4 hours: 3T, 2E
This course provides a calculus-based treatment of the principle subdivision of classical physics: mechanics and energy including thermodynamics.  
Pre-Requisite: MTH 125  Co-Requisite: MTH 125

### PHY 214  General Physics with Calculus II  4 hours: 3T, 2E
This course provides a calculus-based study in classical physics. Topics include simple harmonic motion, waves, sound, light, optics, electricity, and magnetism.  
Pre-Requisite: PHY 213 (General Physics with Calculus I)
**Fine Arts**

**ART 100 Art Appreciation** 3 hours: 3T
This course is designed to help the student find personal meaning in works of art and to develop a better understanding of the nature and validity of art. Emphasis is on the diversity of form and content in original works of art. Upon completion, students should understand the fundamentals of art and the materials used, as well as have a basic overview of the history of art.

**ART 203 Art History I** 3 hours: 3T
This course covers a study of the chronological development of different forms of art, such as sculpture, painting, and architecture. Emphasis is placed on history from the ancient period through the Renaissance. Upon completion, students should be able to communicate a knowledge of time periods and chronological sequence, including a knowledge of themes and styles and of the impact of society on the arts.

**ART 204 Art History II** 3 hours: 3T
This course covers a study of the chronological development of different forms of art, such as sculpture, painting, and architecture. Emphasis is placed on history from the Baroque to the present. Upon completion, students should be able to communicate a knowledge of time periods and chronological sequence, including a knowledge of themes and styles and of the impact of society on the arts.

**MUS 101 Music Appreciation** 3 hours: 3T
This course is designed for non-music majors and requires no previous musical experience. It is a survey course that incorporates several modes of instruction including lecture, guided listening, and similar experiences involving music. The course covers a minimum of three (3) stylistic periods, provides a multi-cultural perspective, and includes both vocal and instrumental genres. Upon completion, students should be able to demonstrate a knowledge of music fundamentals, the aesthetic/stylistic characteristics of historical periods, and an aural perception of style and structure in music.

**THR 120 Theater Appreciation** 3 hours
This course is designed to increase appreciation of contemporary theater. Emphasis is given to the theater as an art form through the study of the history and theory of drama and the contributions of playwright, actor, director, designer, and technician to modern media. Attendance at theater productions may be required.

**THR 126 Introduction to Theater** 3 hours
This course is designed to teach the history of the theater and the principles of drama. It also covers the development of theater production and the study of selected plays as theatrical presentations.
# History, Social and Behavioral Sciences

**ECO 231 Principles of Macroeconomics**  
3 hours  
This course is an introduction to macroeconomic theory, analysis, and policy applications. Topics include the following: scarcity, demand and supply, national income analysis, major economic theories concerning monetary and fiscal policies as stabilization measures, the banking system, and other economic issues or problems including international trade.

**ECO 232 Principles of Microeconomics**  
3 hours  
This course is an introduction to microeconomic theory, analysis, and applications. Topics include scarcity the theories of consumer behavior, production and cost, markets, output and resource pricing, and international aspects of microeconomics.

**GEO 100 World Regional Geography**  
3 hours: 3T  
This course surveys various countries and major regions of the world with respect to location and landscape, world importance, political status, population, type of economy, and its external and internal organization problems and potentials.

**GEO 101 Principles of Physical Geography**  
4 hours: 3T, 2E  
Physical Geography I is the first in a two part sequence including topics such as weather and climate relative to the earth and relationships between the earth and the sun. Laboratory is required.

**HEC 140 Principles of Nutrition**  
3 hours  
This course introduces students to the principles of nutrition and the role and functions of nutrients in man's food. Basic information concerning food selection and nutrition as factors in health, ecology, and economy is included. Implications of nutrition for children may be stressed.

**HIS 101 Western Civilization I**  
3 hours  
This course is a survey of social, intellectual, economic, and political developments that have molded the modern western world. The course covers the ancient and medieval periods and concludes in the era of the Renaissance and Reformation.

**HIS 102 Western Civilization II**  
3 hours  
This course is a continuation of HIS 101; it surveys the development of the modern western world from the era of the Renaissance and Reformation to the present.

**HIS 121 World History I**  
3 hours  
This course surveys social, intellectual, economic, and political developments which have molded the modern world. Focus is on both non-western and western civilizations from the prehistoric to the early modern era.  
Pre-Requisite As required by program

**HIS 122 World History II**  
3 hours  
This course is a continuation of HIS 121; it covers world history, both western and non-western, from the early modern era to the present. The course surveys social, intellectual, economic, and political developments which have molded the modern world. Focus is on both non-western and western civilizations from the early modern era to the present.  
Pre-Requisite As required by program

**HIS 201 United States History I**  
3 hours  
This course surveys United States history during the colonial, revolutionary, early national, and antebellum periods. It concludes with the Civil War and Reconstruction.

**HIS 202 United States History II**  
3 hours  
This course is a continuation of HIS 201; it surveys United States history from the Reconstruction era to the present.

**HIS 216 History of World Religions**  
3 hours  
This course presents a comparison of the major religions of the world from a historical perspective. Emphasis is placed on the origin, development, and social influence of Christianity, Judaism, Islam, Hinduism, Buddhism, and others.
POL 211 American National Government 3 hours
This course surveys the background, constitutional principles, organization, and operation of the American political system. Topics include the U.S. Constitution, federalism, civil liberties, civil rights, political parties, interest groups, political campaigns, voting behavior, elections, the presidency, bureaucracy, Congress, and the justice system. Upon completion, students should be able to identify and to explain relationships among the basic elements of American government and to function as more informed participants of the American political system.

POL 220 State and Local Government 3 hours
This course is a study of the forms of organization, functions, institutions, and operation of American state and local governments. Emphasis is placed on the variety of forms and functions of state and local governments, with particular attention to those in Alabama, and to the interactions between state and local governments and the national government. Upon completion, students should be able to identify elements of and explain relationships among the state, local, and national governments of the U.S., and to function as more informed participants of state and local political systems.

PSY 200 General Psychology 3 hours
This course is a survey of behavior, with emphasis upon psychological processes. This course includes the biological bases for behavior, thinking, emotion, motivation, and the nature and development of personality.

PSY 210 Human Growth and Development 3 hours
This course is the study of the psychological, social, and physical factors that affect human behavior from conception to death. Pre-Requisite PSY 200

PSY 230 Abnormal Psychology 3 hours
This course is a survey of abnormal behavior and its social and biological origins. The anxiety-related disorders, psychoses, personality disorders, and mental deficiencies are covered. Pre-Requisite PSY 200

REL 151 Survey of the Old Testament 3 hours
This course is an introduction to the content of the Old Testament with emphasis on the historical context and the contemporary theological and cultural significance of the Old Testament. The student should have an understanding of the significance of the Old Testament writings upon completion of this course.

REL 152 Survey of the New Testament 3 hours
This course is a survey of the New Testament with special attention focused on the historical and geographical setting. The student should have an understanding of the books of the New Testament and the cultural and historical events associated with these writings.

SOC 200 Introduction to Sociology 3 hours
This course is an introduction to vocabulary, concepts, and theory of sociological perspectives of human behavior.

SOC 208 Introduction to Criminology 3 hours
This course delves into the nature and extent of crime in the United States, as well as criminal delinquent behavior and theories of causation. The study includes criminal personalities, principles of prevention, control, and treatment.

SOC 209 Juvenile Delinquency 3 hours
This course examines the causes of delinquency. It also reviews programs of prevention and control of juvenile delinquency, as well as the role of the courts.

SOC 210 Social Problems 3 hours
This course examines the social and cultural aspects, influences, and characteristics of current social problems in light of sociological theory and research. Pre-Requisite SOC 200

SOC 217 Criminal and Deviant Behavior 3 hours
This course is an analysis of criminal and deviant behavior with emphasis on sociological and psychological theories of crimes causation. Pre-Requisite CRJ / SOC 208 or SOC 200

SOC 247 Marriage and the Family 3 hours
This course is a study of family structures and families in a modern society. It covers preparation for marriage, as well as sociological, psychological, biological, and financial factors relevant to success in marriage and family life. Pre-Requisite SOC 200
## History

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
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<td>This course is a continuation of HIS 101; it surveys the development of the modern western world from the era of the Renaissance and Reformation to the present.</td>
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</tr>
</tbody>
</table>
Humanities and Fine Arts

**Humanities**

**ENG 251** American Literature I 3 hours
This course is a survey of American literature from its inception to the middle of the nineteenth century. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. **Pre-Requisite** ENG 102 or equivalent

**ENG 252** American Literature II 3 hours
This course is a survey of American literature from the middle of the nineteenth century to the present. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. **Pre-Requisite** ENG 102 or equivalent

**ENG 261** English Literature I 3 hours
This course is a survey of English literature from the Anglo-Saxon period to the Romantic Age. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. **Pre-Requisite** ENG 102 or equivalent

**ENG 262** English Literature II 3 hours
This course is a survey of English literature from the Romantic Age to the present. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. **Pre-Requisite** ENG 102 or equivalent

**HUM 101** Introduction to Humanities I 3 hours
This is the first course in a two-semester sequence which offers the student an introduction to the humanities using selections from art, music, literature, history, religion, and philosophy which relates to a unifying theme. **Pre-Requisite** As required by program

**HUM 102** Introduction to Humanities II 3 hours
This is the second course in a two-semester sequence which offers the student an introduction to the humanities using selections from art, music, literature, history, religion, and philosophy which relates to a unifying theme. **Pre-Requisite** As required by program

**PHL 206** Ethics and Society 3 hours
This course involves the study of ethical issues that confront individuals in the course of their daily lives. The focus is on the fundamental questions of right and wrong, of human rights, and of conflicting obligations. The student should be able to understand and should be prepared to make decisions in life regarding ethical issues.

**POR 101** Introductory Portuguese I 4 hours
This course provides an introduction to Portuguese. Topics include the development of basic communication skills and the acquisition of basic knowledge of the cultures of Portuguese-speaking areas. **Pre-Requisite** As required by program

**POR 102** Introductory Portuguese II 4 hours
This course is a continuation of POR 101 and includes the development of basic communication skills and the acquisition of basic knowledge of the cultures of Portuguese-speaking areas. **Pre-Requisite** POR 101 or equivalent
REL 151 Survey of the Old Testament 3 hours
This course is an introduction to the content of the Old Testament with emphasis on the historical context and the contemporary theological and cultural significance of the Old Testament. The student should have an understanding of the significance of the Old Testament writings upon completion of this course.

REL 152 Survey of the New Testament 3 hours
This course is a survey of the New Testament with special attention focused on the historical and geographical setting. The student should have an understanding of the books of the New Testament and the cultural and historical events associated with these writings.

SPA 101 Introductory Spanish 4 hours
This course provides an introduction to Spanish. Topics include the development of basic communication skills and the acquisition of basic knowledge of the cultures of Spanish-speaking areas.

SPA 102 Introductory Spanish II 4 hours
This course, a continuation of SPA 101, includes the development of basic communication skills and the acquisition of basic knowledge of the cultures of Spanish-speaking areas. Pre-Requisite SPA 101 or equivalent

Fine Arts

ART 100 Art Appreciation 3 hours: 3T
This course is designed to help the student find personal meaning in works of art and to develop a better understanding of the nature and validity of art. Emphasis is on the diversity of form and content in original works of art. Upon completion, students should understand the fundamentals of art and the materials used, as well as have a basic overview of the history of art.

ART 109 Art Museum Survey 3 hours: 3T
This course covers the art experience through supervised visits to museums and art galleries. Emphasis is placed on learning through critical study. Upon completion, students should be able to write a critical analysis of the art work experience that demonstrates an understanding of aesthetics.

ART 113 Drawing 3 hours: 6E
This course provides the opportunity for students to develop perceptual and technical skills in a variety of media. Emphasis is placed on communication through experimenting with composition, subject matter, and techniques. Upon completion, students should demonstrate and apply the fundamentals of art to various creative-drawing projects.

ART 114 Drawing II 3 hours: 6E
This course advances the students’ drawing skills in various art media. Emphasis is placed on communication through experimentation, composition, technique, and personal expression. Upon completion, students should demonstrate creative drawing skills, the application of the fundamentals of art, and the communication of personal feelings and thoughts. Pre-Requisite ART 113

ART 121 Two-Dimensional Composition 3 hours: 6E
This course introduces the basic concepts of two-dimensional images. Emphasis is placed on the elements and principles of design, understanding and familiarization with art materials, and the arrangements and relationships between them. Upon completion, students should demonstrate an effective use of these elements and principles of design in creating two-dimensional compositions.

ART 203 Art History I 3 hours: 3T
This course covers a study of the chronological development of different forms of art, such as sculpture, painting, and architecture. Emphasis is placed on history from the ancient period through the Renaissance. Upon completion, students should be able to communicate a knowledge of time periods and chronological sequence, including a knowledge of themes and styles and of the impact of society on the arts.

ART 204 Art History II 3 hours: 3T
This course covers a study of the chronological development of different forms of art, such as sculpture, painting, and architecture. Emphasis is placed on history from the Baroque to the present. Upon completion, students should be able to communicate a knowledge of time periods and chronological sequence, including a knowledge of themes and styles and of the impact of society on the arts.
ART 231 Watercolor Painting I
This course introduces materials and techniques appropriate to painting on paper with water-based medium. Emphasis is placed on developing the technical skills and the expressive qualities of watercolor painting. Upon completion, students should be able to demonstrate a basic proficiency in handling the techniques of watercolor and how it can be used for personal expression. Pre-Requisite ART 113 or permission of the instructor.

ART 232 Watercolor Painting II
This course advances the skills and techniques of painting on paper using water-based medium. Emphasis is placed on exploring the creative uses of watercolor and developing professional skills. Upon completion, students should be able to demonstrate and compile a body of original watercolor paintings that reflect a personal awareness of the medium’s potential. Pre-Requisite ART 231.

ART 233 Painting I
This course is designed to introduce the student to fundamental painting processes and materials. Topics include art fundamentals, color theory, and composition. Upon completion, students should be able to develop the fundamentals of art and to discuss various approaches to the media and the creative processes associated with painting. Pre-Requisite ART 113 or permission of the instructor.

ART 234 Painting II
This course is designed to develop the student's knowledge of the materials and procedures of painting beyond the introductory level. Emphasis is placed on the creative and technical problems associated with communicating through composition and style. Upon completion, students should be able to demonstrate the application of the fundamentals of painting and the creative process to the communication of ideas. Pre-Requisite ART 233.

ART 253 Graphic Design I
These courses introduce and explore the art of visual communication through design. Emphasis is placed on the application of design principles to projects involving such skills as illustration, layout, typography, and production technology. Upon completion, students should demonstrate a knowledge of the fundamentals of art and an understanding of the relationship between materials, tools, and visual communication.

ART 254 Graphic Design II
These courses introduce and explore the art of visual communication through design. Emphasis is placed on the application of design principles to projects involving such skills as illustration, layout, typography, and production technology. Upon completion, students should demonstrate a knowledge of the fundamentals of art and an understanding of the relationship between materials, tools, and visual communication. Pre-Requisite ART 253.

ART 258 Photographic and Media Problems: Digital Media
This course deals with special problems in the student’s area of interest. Emphasis is placed on design, technique and results. Upon completion the student will be able to produce professional quality photographs in one particular area of photography.

ART 299 Art Portfolio
This course is designed to help the art major in the preparation and presentation of an art portfolio. Emphasis is placed on representing the student's potential as an artist in order to interest employers, clients, or schools. Upon completion, students should be able to make a professional presentation of their design and communication skills.

HUM 101 Introduction to Humanities I
This is the first course in a two-semester sequence which offers the student an introduction to the humanities using selections from art, music, literature, history, religion, and philosophy which relates to a unifying theme. Pre-Requisite As required by program.

HUM 102 Introduction to Humanities II
This is the second course in a two-semester sequence which offers the student an introduction to the humanities using selections from art, music, literature, history, religion, and philosophy which relates to a unifying theme. Pre-Requisite As required by program.

MUS 101 Music Appreciation
This course is designed for non-music majors and requires no previous musical experience. It is a survey course that incorporates several modes of instruction including lecture, guided listening, and similar experiences involving music. The course covers a minimum of three (3) stylistic periods, provides a multi-cultural perspective, and includes both vocal and instrumental genres. Upon completion, students should be able to demonstrate a knowledge of music.
fundamentals, the aesthetic/stylistic characteristics of historical periods, and an aural perception of style and structure in music.

MUS 111  Music Theory  3 hours: 2T, 2E
This course introduces the student to the diatonic harmonic practices in the Common Practice Period. Topics include fundamental musical materials (rhythm, pitch, scales, intervals, diatonic harmonies) and an introduction to the principles of voice leading and harmonic progression. Upon completion, students should be able to demonstrate a basic competency using diatonic harmony through analysis, writing, sight singing, dictation, and keyboard skills. 

Co-Requisite  MUS 113

MUS 112  Music Theory II  3 hours: 2T, 2E
This course completes the study of diatonic harmonic practices in the Common Practice Period and introduces simple musical forms. Topics include principles of voice leading used in three- and four-part triadic harmony and diatonic seventh chords, non-chord tones, cadences, phrases, and periods. Upon completion, students should be able to demonstrate competence using diatonic harmony through analysis, writing, sight singing, dictation, and keyboard skills. 

Pre-Requisite  MUS 111  Co-Requisite  MUS 114

MUS 115  Fundamentals of Music  3 hours: 3T
This course is designed to teach the fundamentals of music and to develop usable skills for the classroom teacher. Topics include rhythmic notation, simple and compound meters, pitch notation, correct singing techniques, phrases, keyboard awareness, key signatures, scales, intervals and harmony using I, IV, and V with a choral instrument. Upon completion, students should be able to sing a song, harmonize a simple tune, demonstrate rhythmic patterns, and identify musical concepts through written documentation.

MUS 211  Music Theory III  3 hours: 2T, 2E
This course introduces the student to the chromatic harmonic practices in the Common Practice Period. Topics include secondary functions, modulatory techniques, and binary and tertiary forms. Upon completion, students should be able to demonstrate competence using chromatic harmony through analysis, writing, sight singing, dictation, and keyboard skills. 

Pre-Requisite  MUS 112  Co-Requisite  MUS 213

MUS 212  Music Theory IV  3 hours: 2T, 2E
This course completes the study of chromatic harmonic practices in the Common Practice Period and introduces the student to twentieth-century practices. Topics include the Neapolitan and augmented sixth chords, sonata form, late nineteenth-century tonal harmony, and twentieth-century practices and forms. Upon completion, students should be able to demonstrate competence using chromatic harmony and basic twentieth-century techniques through analysis, writing, sight singing, dictation, and keyboard skills. 

Pre-Requisite  MUS 211  Co-Requisite  MUS 214

THR 113  Theater Workshop I  2 hours each
This course will provide practical experience in the production and performance of a dramatic presentation with assignments in scenery, lighting, props, choreography, sound, costumes, make up, publicity, acting, directing, and other aspects of theater production.

THR 114  Theater Workshop II  2 hours each
This course will provide practical experience in the production and performance of a dramatic presentation with assignments in scenery, lighting, props, choreography, sound, costumes, make up, publicity, acting, directing, and other aspects of theater production.

THR 120  Theater Appreciation  3 hours
This course is designed to increase appreciation of contemporary theater. Emphasis is given to the theater as an art form through the study of the history and theory of drama and the contributions of playwright, actor, director, designer, and technician to modern media. Attendance at theater productions may be required.

THR 126  Introduction to Theater  3 hours
This course is designed to teach the history of the theater and the principles of drama. It also covers the development of theater production and the study of selected plays as theatrical presentations.

THR 131  Acting Techniques I  3 hours
This is the first course of a two-course sequence in which the student will focus on the development of the body and voice as the performing instruments in acting. Emphasis is placed on pantomime, improvisation, acting exercises, and building characterizations in short acting scenes.
THR  132  Acting Techniques II  3 hours
This course is a continuation of THR 131.  Pre-Requisite:  THR 131
## Literature

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 251</td>
<td>American Literature I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>This course is a survey of American literature from its inception to the middle of the nineteenth century. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. <strong>Pre-Requisite</strong>: ENG 102 or equivalent</td>
<td></td>
</tr>
<tr>
<td>ENG 252</td>
<td>American Literature II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>This course is a survey of American literature from the middle of the nineteenth century to the present. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. <strong>Pre-Requisite</strong>: ENG 102 or equivalent</td>
<td></td>
</tr>
<tr>
<td>ENG 261</td>
<td>English Literature I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>This course is a survey of English literature from the Anglo-Saxon period to the Romantic Age. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. <strong>Pre-Requisite</strong>: ENG 102 or equivalent</td>
<td></td>
</tr>
<tr>
<td>ENG 262</td>
<td>English Literature II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>This course is a survey of English literature from the Romantic Age to the present. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research. <strong>Pre-Requisite</strong>: ENG 102 or equivalent</td>
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</tbody>
</table>
Natural Sciences

AST 220 Introduction to Astronomy 4 hours: 3T, 2E
This course covers the history of astronomy and the development of astronomical thought leading to the birth of modern astronomy and its most recent development. Emphasis is placed on the coverage of astronomical instruments and measuring technologies, the solar system, the Milky Way galaxy, important extra galactic objects and cosmology.

BIO 103 Principles of Biology I 4 hours: 3T, 2E
This is an introductory course for science and non-science majors. It covers physical, chemical, and biological principles common to all organisms. These principles are explained through a study of cell structure and function, cellular reproduction, basic biochemistry, cell energetics, the process of photosynthesis, and Mendelian and molecular genetics. Also included are the scientific method, basic principles of evolution, and an overview of the diversity of life with emphasis on viruses, prokaryotes, and protista.

BIO 104 Principles of Biology II 4 hours: 3T, 3E
This is an introduction to the basic ecological and evolutionary relationships of plants and animals and a survey of plant and animal diversity including classification, morphology, physiology, and reproduction. Pre-Requisite BIO 103

BIO 201 Human Anatomy and Physiology I 4 hours: 3T, 2E
This course covers the structure and function of the human body. Included is an orientation of the human body, basic principles of chemistry, a study of cells and tissues, metabolism, joints, the integumentary, skeletal, muscular, nervous systems, and the senses. Dissection, histological studies, and physiology are featured in the laboratory experience. Pre-Requisite BIO 103

BIO 202 Human Anatomy and Physiology II 4 hours: 3T, 2E
This course covers the structure and function of the human body. Included is a study of basic nutrition, basic principles of water, electrolyte and acid-base balance, the endocrine, respiratory, digestive, excretory, cardiovascular, lymphatic, and reproductive systems. Dissection, histological studies, and physiology are featured in the laboratory experience. Pre-Requisite 201

BIO 206 Human Anatomy 4 hours: 3T, 2E
This course covers the basic structure and function of the human body. Emphasis is placed on the structure of the organ systems, cells, and tissues. Mammalian dissection and histological studies are featured in the required laboratory. Pre-Requisite BIO 103

BIO 220 General Microbiology 4 hours: 2T, 4E
This course includes historical perspectives, cell structure and function, microbial genetics, infectious diseases, immunology, distribution physiology, culture, identification, classification, and disease control of microorganisms. The laboratory experience includes micro-techniques distribution, culture, identification, and control. Pre-Requisite BIO 103

CHM 104 Introduction to Inorganic Chemistry 4 hours: 3T, 3E
This is a survey course of general chemistry for students who do not intend to major in science or engineering; it may not be substituted for CHM 111. Lecture will emphasize the facts, principles, and theories of general chemistry including math operations, matter and energy, atomic structure, symbols and formulas, nomenclature, the periodic table, bonding concepts, equations, stoichiometry, gas laws, phases of matter, solutions, pH, and equilibrium reactions. Pre-Requisite MTH 098 or equivalent math placement score

CHM 105 Introduction to Organic Chemistry 4 hours: 3T, 3E
This is a survey course of organic chemistry and biochemistry for students who do not intend to major in science or engineering. Topics include basic nomenclature, classification of organic compounds, typical organic reactions, reactions involved in life processes, function of biomolecules, and the handling and disposal of organic compounds. Pre-Requisite CHM 104 or CHM 111

CHM 111 College Chemistry I 4 hours: 3T, 3E
This is the first course in a two-semester sequence designed for the science or engineering major who is expected to have a strong background in mathematics. Topics include measurement, nomenclature, stoichiometry, atomic structure, equations and reactions, basic concepts of thermochemistry, chemical and physical properties, bonding, molecular structure, gas laws, kinetic-molecular theory, condensed matter, solutions, colloids, and some descriptive chemistry topics. Pre-Requisite MTH 112 (Precalculus Algebra or equivalent math placement score)
CHM 112  College Chemistry II  4 hours: 3T, 3E
This is the second course in a two-semester sequence designed primarily for the science or engineering student who is expected to have a strong background in mathematics. Topics include chemical kinetics, chemical equilibria, acids and bases, ionic equilibria of weak electrolytes, solubility product principle, chemical thermodynamics, electrochemistry, oxidation-reduction, nuclear chemistry, an introduction to organic chemistry and biochemistry, atmospheric chemistry, and selected topics in descriptive chemistry including the metals, nonmetals, semimetals, coordination compounds, transition compounds, and post-transition compounds.
Pre-Requisite  CHM 111 (College Chemistry I)

CHM 221  Organic Chemistry  4 hours: 3T, 3E
This is the first course in a two-semester sequence. Topics include nomenclature, structure, physical and chemical properties, synthesis, and typical reactions for aliphatic, alicyclic, and aromatic compounds with special emphasis on reaction mechanisms, spectroscopy, and stereochemistry. Laboratory is required and will include the synthesis and confirmation of representative organic compounds with emphasis on basic techniques.
Pre-Requisite  CHM 112 (College Chemistry II)

CHM 222  Organic Chemistry II  4 hours: 3T, 3E
This is the second course in a two-semester sequence. Topics include nomenclature; structure; physical and chemical properties; synthesis; typical reactions for aliphatic, alicyclic, aromatic, and biological compounds; and polymers and their derivatives, with special emphasis on reaction mechanisms, spectroscopy, and stereochemistry. The required laboratory will include the synthesis and confirmation of representative organic compounds with emphasis on basic techniques.  Pre-Requisite  CHM 221 (Organic Chemistry I)

PHS 111  Physical Science I  4 hours: 3T, 2E
This course provides the non-technical student with an introduction to the basic principles of geology, oceanography, meteorology, and astronomy.

PHS 112  Physical Science II  4 hours: 3T, 2E
This course provides the non-technical student with an introduction to the basic principles of chemistry and physics.

PHY 201  General Physics I Trig Based  4 hours: 3T, 2E
This course is designed to cover general physics at a level that assures previous exposure to college algebra and basic trigonometry. Specific topics include mechanics, properties of matter and energy, thermodynamics, and periodic motion.  Pre-Requisite  MTH 113 or equivalent

PHY 202  General Physics II Trig Based  4 hours: 3T, 2E
This course is designed to cover general physics using college algebra and basic trigonometry. Specific topics include wave motion, sound, light, optics, electrostatics, circuits, magnetism, and modern physics.  Pre-Requisite  PHY 201

PHY 213  General Physics with Calculus I  4 hours: 3T, 2E
This course provides a calculus-based treatment of the principle subdivision of classical physics: mechanics and energy including thermodynamics.  Pre-Requisite  MTH 125  Co-Requisite  MTH 125

PHY 214  General Physics with Calculus II  4 hours: 3T, 2E
This course provides a calculus-based study in classical physics. Topics include simple harmonic motion, waves, sound, light, optics, electricity, and magnetism.  Pre-Requisite  PHY 213 (General Physics with Calculus I)
# Social and Behavioral Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ECO 231</td>
<td>Principles of Macroeconomics</td>
<td>3 hours</td>
</tr>
<tr>
<td>ECO 232</td>
<td>Principles of Microeconomics</td>
<td>3 hours</td>
</tr>
<tr>
<td>GEO 100</td>
<td>World Regional Geography</td>
<td>3 hours: 3T</td>
</tr>
<tr>
<td>GEO 101</td>
<td>Principles of Physical Geography</td>
<td>4 hours: 3T, 2E</td>
</tr>
<tr>
<td>HEC 140</td>
<td>Principles of Nutrition</td>
<td>3 hours</td>
</tr>
<tr>
<td>POL 211</td>
<td>American National Government</td>
<td>3 hours</td>
</tr>
<tr>
<td>POL 220</td>
<td>State and Local Government</td>
<td>3 hours</td>
</tr>
<tr>
<td>PSY 200</td>
<td>General Psychology</td>
<td>3 hours</td>
</tr>
<tr>
<td>PSY 210</td>
<td>Human Growth and Development</td>
<td>3 hours</td>
</tr>
<tr>
<td>PSY 230</td>
<td>Abnormal Psychology</td>
<td>3 hours</td>
</tr>
<tr>
<td>REL 151</td>
<td>Survey of the Old Testament</td>
<td>3 hours</td>
</tr>
</tbody>
</table>

This course is an introduction to macroeconomic theory, analysis, and policy applications. Topics include the following: scarcity, demand and supply, national income analysis, major economic theories concerning monetary and fiscal policies as stabilization measures, the banking system, and other economic issues or problems including international trade.

This course is an introduction to microeconomic theory, analysis, and applications. Topics include scarcity the theories of consumer behavior, production and cost, markets, output and resource pricing, and international aspects of microeconomics.

This course surveys various countries and major regions of the world with respect to location and landscape, world importance, political status, population, type of economy, and its external and internal organization problems and potentials.

Physical Geography I is the first in a two part sequence including topics such as weather and climate relative to the earth and relationships between the earth and the sun. Laboratory is required.

This course introduces students to the principles of nutrition and the role and functions of nutrients in man's food. Basic information concerning food selection and nutrition as factors in health, ecology, and economy is included. Implications of nutrition for children may be stressed.

This course surveys the background, constitutional principles, organization, and operation of the American political system. Topics include the U. S. Constitution, federalism, civil liberties, civil rights, political parties, interest groups, political campaigns, voting behavior, elections, the presidency, bureaucracy, Congress, and the justice system. Upon completion, students should be able to identify and to explain relationships among the basic elements of American government and to function as more informed participants of the American political system.

This course is a study of the forms of organization, functions, institutions, and operation of American state and local governments. Emphasis is placed on the variety of forms and functions of state and local governments, with particular attention to those in Alabama, and to the interactions between state and local governments and the national government. Upon completion, students should be able to identify elements of and explain relationships among the state, local, and national governments of the U.S., and to function as more informed participants of state and local political systems.

This course is a survey of behavior, with emphasis upon psychological processes. This course includes the biological bases for behavior, thinking, emotion, motivation, and the nature and development of personality.

This course is the study of the psychological, social, and physical factors that affect human behavior from conception to death. Pre-Requisite PSY 200

This course is a survey of abnormal behavior and its social and biological origins. The anxiety-related disorders, psychoses, personality disorders, and mental deficiencies are covered. Pre-Requisite PSY 200

This course is an introduction to the content of the Old Testament with emphasis on the historical context and the contemporary theological and cultural significance of the Old Testament. The student should have an understanding of the significance of the Old Testament writings upon completion of this course.
REL 152 Survey of the New Testament  3 hours
This course is a survey of the New Testament with special attention focused on the historical and geographical setting. The student should have an understanding of the books of the New Testament and the cultural and historical events associated with these writings.

SOC 200 Introduction to Sociology  3 hours
This course is an introduction to vocabulary, concepts, and theory of sociological perspectives of human behavior.

SOC 208 Introduction to Criminology  3 hours
This course delves into the nature and extent of crime in the United States, as well as criminal delinquent behavior and theories of causation. The study includes criminal personalities, principles of prevention, control, and treatment.

SOC 209 Juvenile Delinquency  3 hours
This course examines the causes of delinquency. It also reviews programs of prevention and control of juvenile delinquency, as well as the role of the courts.

SOC 210 Social Problems  3 hours
This course examines the social and cultural aspects, influences, and characteristics of current social problems in light of sociological theory and research. Pre-Requisite SOC 200

SOC 217 Criminal and Deviant Behavior  3 hours
This course is an analysis of criminal and deviant behavior with emphasis on sociological and psychological theories of crimes causation. Pre-Requisite CRJ / SOC 208 or SOC 200

SOC 247 Marriage and the Family  3 hours
This course is a study of family structures and families in a modern society. It covers preparation for marriage, as well as sociological, psychological, biological, and financial factors relevant to success in marriage and family life. Pre-Requisite SOC 200
Speech

SPH 106  Fundamentals of Oral Communication  3 hours
This is a performance course that includes the principles of human communication: intrapersonal, interpersonal, and public. It surveys current communication theory and provides practical application.

SPH 107  Fundamentals of Public Speaking  3 hours
This course explores principles of audience and environment analysis as well as the actual planning, rehearsing, and presenting of formal speeches to specific audiences. Historical foundations, communication theories, and student performances are emphasized.

SPH 116  Introduction to Interpersonal Communication  3 hours
This course is an introduction to the basic principles of interpersonal communication.