**CCRI Catalog 2016–2017**

**Main Campuses:**
- **Flanagan Campus**
  - 1762 Purchase Street
  - Providence, RI 02908
  - Telephone: 401-363-3636
- **Knight Campus**
  - 400 East Avenue
  - Providence, RI 02903
  - Telephone: 401-363-3636
- **Newport County Campus**
  - One John H. Chafee Blvd.
  - Newport, RI 02840
  - Telephone: 401-455-6000

**Satellite Campuses:**
- **Shepard Building Providence**
  - 88 Washington Street
  - Providence, RI 02903
  - Telephone: 401-851-1600
- **Liston Campus**
  - 400 East Avenue
  - Providence, RI 02903
  - Telephone: 401-363-3636

**Follow CCRI on social media**

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**Directions to Campuses**

**From I-95 north:**
- Take Exit 1 and merge onto RI-3 south toward Nooseneck Hill Road toward Westerly. Continue to follow Nooseneck Hill Road for approximately 3.3 miles. The campus entrance will be on the right.

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**Knight Campus, Warwick 400 East Ave.**

- The Knight Campus is located on a 20-acre site adjacent to I-95, south of the city's south side.
- If traveling north on I-95, exit onto Route 114 at Exit 19. Turn left onto Breakneck Hill Road, then right onto Admiral Kalbfus Road. Do not enter the rotary, but stay to the right on Coddington Highway. A shopping plaza will be on your right. CCRI will be approximately 1 mile ahead on your left.

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**Flanagan Campus, Lincoln (FHS) Easton Pike**

- The Flanagan Campus occupies a 20-acre site off Easton Pike in Lincoln. It features and has building capacity of three connected modules, totaling nearly one and a half acres of floor space.
- If traveling north on I-95, take Exit 23 to Route 146 north and follow directions below for traveling south on Route 146.
- If traveling south on I-95, take Exit 22 to Route 146 south and follow directions below for traveling north on Route 146.

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**Newport County Campus, Newport (Liston Campus)**

- 400 East Avenue
- The main Providence campus is located on almost seven acres of land on the city’s south side. If traveling north on I-95, exit onto Route 114 at Exit 19. Turn left onto Breakneck Hill Road, then right onto Admiral Kalbfus Road. Do not enter the rotary, but stay to the right on Coddington Highway. A shopping plaza will be on your right. CCRI will be approximately 1 mile ahead on your left.

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**Newport County Campus, Newport (Liston Campus)**

- 400 East Avenue
- The main Providence campus is located on almost seven acres of land on the city’s south side. If traveling north on I-95, exit onto Route 114 at Exit 19. Turn left onto Breakneck Hill Road, then right onto Admiral Kalbfus Road. Do not enter the rotary, but stay to the right on Coddington Highway. A shopping plaza will be on your right. CCRI will be approximately 1 mile ahead on your left.
On behalf of the Community College of Rhode Island’s students, faculty and staff, my team and I are pleased to welcome you to the Ocean State’s only community college and all it has to offer.

This year marks my first as CCRI’s president, and I am especially excited to begin a new academic year by building upon our achievements. Over the last 50 years, CCRI has graduated more than 66,000 individuals who have become successful national business executives, stage and screen stars as well as our local health care workers, educators, musicians, public officials and much more.

My goal is to make CCRI the best community college in New England by 2020. Led by our values, we will achieve this goal by providing a top-quality education for all of our students to best prepare them for their chosen careers and further education.

Whether you are a recent high school graduate or a returning adult, you have taken an important step simply by enrolling at CCRI. You have chosen to commit to working hard to secure a quality education. By completing your degree or certificate program at CCRI, you will graduate equipped with the skills and knowledge necessary to transfer to a four-year institution and to enter the workforce.

Please review this catalog and our website, www.ccri.edu, to familiarize yourself with the college’s diverse program offerings and services available to students. My team and I look forward to supporting your success as a member of our CCRI community.

Sincerely,

Meghan Hughes, Ph.D., President
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At the time of its printing, information contained in the 2016–2017 edition of CCRI’s catalog was known to be accurate and complete to the best of the knowledge of CCRI faculty and staff. Please be advised, however, that the college reserves the right to make changes at any time to admissions policies, degree requirements, curricula and any other information contained in the print catalog as it deems necessary, without notice or obligation. Also be aware that tuition and fees at the Community College of Rhode Island may be adjusted by the action of the Rhode Island Board of Education. Every reasonable effort will be made to communicate these changes in a timely manner to minimize any inconvenience to students.

Students should visit the official CCRI website [www.ccri.edu/catalog](http://www.ccri.edu/catalog) for the most up-to-date, accurate information on any matters described in this catalog. In addition, students may find the most current information on courses by visiting [www.ccri.edu/availablecourses.html](http://www.ccri.edu/availablecourses.html).

## Mission of the College

The Community College of Rhode Island is the state’s only public comprehensive associate degree-granting institution. We provide affordable open access to higher education at locations throughout the state. Our primary mission is to offer recent high school graduates and returning adults the opportunity to acquire the knowledge and skills necessary for intellectual, professional and personal growth through an array of academic, career and lifelong learning programs. We meet the wide-ranging educational needs of our diverse student population, building on our rich tradition of excellence in teaching and our dedication to all students with the ability and motivation to succeed. We set high academic standards necessary for transfer and career success, champion diversity, respond to community needs and contribute to our state’s economic development and the region’s workforce.

## Nondiscrimination Policy

CCRI does not discriminate in admissions, recruitment, services or employment on the basis of race, color, creed, national or ethnic origin, citizenship, marital status, gender, religion, disability, age, sexual orientation or status as a veteran (either disabled, recently separated, qualified covered, Armed Forces service medal, or any other protected veteran status), except in those special circumstances permitted or mandated by law. Anyone who has reason to believe he or she has been discriminated against may contact: Director of Affirmative Action and ADA Compliance, CCRI, Office of Human Resources, 400 East Ave., Warwick, RI 02886-1807, 401-825-2311. Individuals who are interested in attending CCRI events but require special accommodations due to a disability should contact the director at least one week before the event. CCRI campuses are accessible to individuals with disabilities. Questions regarding access and evacuation procedures should be directed to Campus Police at the Flanagan Campus in Lincoln (401-333-7035); Newport County Campus (401-851-1620); Liston Campus in Providence (401-455-6050); and Knight Campus in Warwick (401-825-2109).

## Smoking Policy

The Community College of Rhode Island prohibits smoking in all of its campus facilities as well as at all points of access and egress from its facilities, including all connecting ramps and walkways such as those at the Knight Campus megastructure. Smoking is allowed at or beyond designated enclosures located at each campus or at a distance equal to those enclosures from the building. Smoking includes traditional tobacco products as well as “electronic cigarettes” and similar devices. Failure to comply will result in disciplinary action as stipulated by the dean of students for student infractions, and the appropriate disciplinary process as set forth in collective bargaining agreements or Board of Education policy for faculty and staff.

The prohibition within all facilities will not apply to the use of tobacco products as part of a pre-approved, limited classroom demonstration or research project.
Why CCRI?
Change your life. Achieve your dreams.
CCRI is a great place to begin a postsecondary education. In fact, more than half of all full-time freshmen attend community colleges nationwide. Students may choose to earn an associate degree or a certificate at CCRI and then enter the workplace or transfer to a four-year college or university to earn a bachelor’s degree. In addition, CCRI is the choice of Rhode Island workers seeking to upgrade their skills for a promotion or career change. Research shows that education pays. Students who complete associate degrees and certificates are more likely to advance to higher status jobs with higher earnings. In fact, students who earn associate degrees earn an average of $250,000 to $400,000 more during their lifetimes than people without degrees.

Convenient Locations and Flexible Schedules
Both credit and noncredit courses are offered during daytime and evening hours as well as on weekends. Distance learning also provides online options. Classes are held during fall and spring semesters and during two summer sessions. Wherever students live or work, they’re only a short distance from one of CCRI’s campuses or satellite locations.

Knight Campus at Warwick is located on 205 acres adjacent to I-95 and I-295. All academic facilities at this campus are housed under one roof to encourage social, educational and cultural exchanges among the student body. Athletic facilities are located in a separate field house.

Flanagan Campus at Lincoln occupies a 300-acre site off Louisquisset Pike. It features one building composed of three connected modules, totaling nearly seven-and-a-half acres of floor space. Athletic facilities are located in a separate field house.

Liston Campus at Providence is located on almost seven acres of land on the capital city’s south side. The contemporary brick structure contains more than 25 classrooms; several science, allied health and computer labs; a central atrium; and a 250-seat auditorium.

Newport County Campus occupies a five-acre site off Coddington Highway. The 65,000-square-foot campus appears as a single, three-story building that is, in fact, three connected structures including a student services complex, a classroom/laboratory wing and a 250-seat auditorium.

CCRI classes also are offered at satellite facilities at the Shepard Building in Providence and at Westerly High School in Westerly.

Extensive Program Choices
CCRI, New England’s largest community college, offers a diverse selection of almost 90 associate degree and certificate programs. The Community College of Rhode Island grants the Associate in Arts (A.A.), the Associate in Science (A.S.), the Associate in Applied Science (A.A.S.), the Associate in Applied Science in Technical Studies (A.A.S.-T.S.) and the Associate in Fine Arts (A.F.A.) degrees.

Affordable Tuition and Financial Aid Opportunities
CCRI tuition and fees are the lowest of any postsecondary school in the state. A deferred payment plan is available for students so tuition can be paid in installments with no interest. Thousands of CCRI students receive financial aid. Financial aid is awarded in the form of grants, scholarships, loans and paid employment to assist students in meeting their educational expenses. Financial aid at CCRI is specially designed to help those students whose limited financial resources would otherwise seriously jeopardize their ability to begin or continue their college careers. Financial aid has specified deadlines that must be met. See pages 14 to 16 or www.ccri.edu/oes/fa for more information.

*Sources: American Association of Community Colleges and Bureau of Labor Statistics
About the Community College

Academic Support
A wide variety of academic support services is available to assist CCRI students. The Department of Advising and Counseling offers academic advising to students with program and course selection concerns and provides career counseling for students requesting help in establishing educational and career goals. Counselors also assist students with transfer planning to ensure a smooth transition and maximum transfer of credits to four-year institutions. The Student Success Center helps students who are having difficulty with a course and would like to work with a tutor or a study group, are unsure about future career or educational plans or who need access to additional resources, referrals and information. The Success Center provides many programs and services, including tutors, mentors and workshops, as well as access to computers and software.

Technology
A wide variety of technology resources is available to all CCRI students in classrooms, labs and from home. The open computer labs on each campus provide access to special course-related software as well as standard software for email, word processing, spreadsheets and browsing the Internet.

   CCRI assigns students an account for CCRI’s Web portal, MyCCRI. Through MyCCRI students can register for courses; check grades, transcripts, degree audits, financial aid and billing accounts; access course resources; and use Web-based email. Technology support is available through the Information Technology Help Desk, which provides first-line technology-related assistance. In addition, free noncredit training classes are offered to orient students to MyCCRI, Microsoft Word and campus technology resources.

Transfer to Four-Year Colleges and Universities
Nearly half of the students who graduate from CCRI continue their education at four-year colleges and universities after earning an associate degree. CCRI has formal transfer agreements with dozens of colleges and universities that help make the post-CCRI transition easier. In every sense, CCRI is often the gateway to higher education, advanced degrees, and professional growth and achievement.

Diverse Student Body
Whether CCRI students just graduated from high school or have been away from the classroom for many years, they won’t feel alone here. Our student body is rich with diversity, allowing students to study and mingle with others like themselves and also with those who can enrich their education through varied experiences and perspectives. In the Fall of 2015, 38 percent of CCRI students were 25 years old or older. Almost 37 percent were minority students. Nearly 5,000 went to school full time and more than 11,000 chose to attend on a part-time basis.

Top-Rated Athletic Programs
The Community College of Rhode Island is home to one of the Ocean State’s finest and most successful intercollegiate athletic programs. The program has long been considered a front-runner in New England college and national junior college athletic circles. The basketball, baseball, softball, tennis, volleyball, cross country, track, golf and soccer teams all have been nationally ranked. The college holds membership in the National Junior College Athletic Association and is an associate member of the National Collegiate Athletic Association.
Admissions

REQUIREMENTS
The Community College of Rhode Island has an open admissions policy that offers Rhode Island residents an opportunity for education beyond the high school level. Students who plan to attend CCRI with the intention of transferring to a four-year college or university should take college preparatory courses in high school to obtain a solid foundation in the humanities, languages, arts, mathematics and sciences. Students who have not had the benefit of a college-prep curriculum are offered the opportunity to develop this knowledge and skill base through a variety of developmental and introductory classes.

A high school diploma or its equivalent is not a general admissions requirement of the college provided the student is 18 years of age, the compulsory age for high school attendance in Rhode Island. Students who are under 18 years of age must submit official high school or GED® transcripts indicating a graduation date prior to enrolling at the college.

A high school diploma or its equivalent is required for admission to the following programs. In addition, individual departments may have specific admissions requirements that students must meet. Because many of the programs listed below have specific space limitations for admission, it is to the student's benefit to complete special admissions requirements as soon as possible.

• Biotechnology
• Culinary Arts Assistant

• Health Sciences Programs:
  Dental Assisting
  Dental Hygiene
  Diagnostic Medical Sonography
  Emergency/Disaster Management
  Emergency Management/Homeland Security
  Fire Science/Emergency Medical Technician
  Health Care Interpreter
  Histotechnician
  Homeland Security
  Magnetic Resonance Imaging
  Medical Laboratory Technology
  Nursing
  Phlebotomy
  Physical Therapist Assistant
  Renal Dialysis Technology
  Radiography (X-ray)
  Respiratory Therapy
  Occupational Therapy Assistant
  Opticianry
  Therapeutic Massage

CCRI has instituted a performance-based application process for selected Health Sciences programs. Please see page 113 for more information.

All transcripts submitted for admission must be official and sent to CCRI's Office of Enrollment Services directly from the respective institution. Applicants with GED® credentials should have a transcript of equivalency scores sent to CCRI from the General Equivalency Center. Equivalencies from correspondence schools are not acceptable. Home-school transcripts must be official and documentation from the local school district approving the home schooling program should be submitted to the Office of Enrollment Services.

In the case of secondary education received outside of the United States, transcripts must be evaluated to determine whether they meet U.S. secondary school completion requirements. A list of authorized agencies that evaluate foreign transcripts is available in CCRI's Office of Enrollment Services or at www.ccri.edu/oes/admissions/pdfs/international-student-app.pdf.

Although the College Board SAT® test is not required for admission to CCRI, students who take the SAT® or ACT® may list CCRI as a report school. Test scores will provide additional information for course placement.

The Rhode Island Board of Education established the residency rules for students attending the three state institutions of higher education: the University of Rhode Island, Rhode Island College and the Community College of Rhode Island. The residency policy is available on the website at www.ccri.edu/oes/admissions/residency.html.

ADMISSION DATES
Applications are processed as they are received. Performance-based Health Science applications are accepted during designated months. Please see www.ccri.edu/oes/admissions/performancebasedapplications for more information. Students should apply online as early as possible.

CREDIT FOR PRIOR LEARNING
For information on the College Level Examination Program (CLEP), challenge exams and credit for life, work and military learning experiences, see the Academic Information section of this catalog on page 29.
Admissions and Registration

Continuing Degree Students

As a currently enrolled student, you will receive registration information via MyCCRI announcements.

Information about applying for financial aid is available at www.ccri.edu/oes/fa.

Check for available courses at www.ccri.edu/oes/available_courses.html.

A degree evaluation/advisement report is available through MyCCRI at myccri.ccri.edu.

Consult with Advising and Counseling to ensure proper course selection for your program of study.

Use online registration to sign up for courses you wish to enroll in for the next semester.

Refer to the Bursar’s Office payment calendar on the website at www.ccri.edu/bursar. Send full payment for your courses or participate in our payment plan.

Print a copy of your schedule which can be accessed via MyCCRI at myccri.ccri.edu. Please check your MyCCRI for updates.

Attend classes during the semester. Consult an adviser about planning which courses to take in future semesters. If you are undecided about your program of study or future, consult a counselor. For more information, contact the Department of Advising and Counseling at www.ccri.edu/advising.

New or Returning Degree Students

Register for an Admissions information session to learn about academic programs at http://webfor.ccri.edu/infosessions/selectterm.cfm.

Complete the Application for Enrollment online at www.ccri.edu/oes/admissions/learnhowtoapply.html. You also can download the application from our website at www.ccri.edu/oes/admissions/pdfs/ccri-paper-application.pdf. A $20 application fee is required.

Send all official college transcripts to: CCRI, Flanagan Campus, Office of Enrollment Services, 1762 Louisquisset Pike, Lincoln, RI 02865.

Information about applying for financial aid is available at www.ccri.edu/oes/fa.

For information on when semesters begin, see the college calendar on the website at www.ccri.edu/academics/calendar.html.

Upon completion of the online Application for Enrollment, you will receive an electronic acceptance message and a formal acceptance letter in the mail that will include information about placement testing.

After completing placement testing, attend a freshman registration session to select your courses and register. Counselors will be available to assist you.

Refer to the Bursar’s Office payment calendar on the website at www.ccri.edu/bursar. Send full payment for your courses or participate in our payment plan.

Print a copy of your schedule which can be accessed via MyCCRI at myccri.ccri.edu. Please check your MyCCRI for updates.

Attend classes during the semester. Consult an adviser about planning which courses to take in future semesters. If you are undecided about your program of study or future, consult a counselor. For more information, contact the Department of Advising and Counseling at www.ccri.edu/advising.
INTERNATIONAL STUDENT ADMISSION

International students applying for admission to the Community College of Rhode Island must submit the following by March 31 for acceptance to the college for the upcoming fall semester (no acceptances for spring semester). The International Student Application is available at www.ccri.edu/oes/admissions/pdfs/international-student-app.pdf. International students must submit:

1. Completed Application for Enrollment with $20 nonrefundable application fee.
2. Evidence of proficiency in the English language demonstrated by submitting one of the following:
   - Official test score results of the Test of English as a Foreign Language (TOEFL). Minimum acceptable score is 500 on the paper-based TOEFL, 61 on the Internet-based TOEFL OR
   - Official transcript from an accredited college or university indicating completion of an equivalent three-credit Composition I course with a minimum grade of “C” OR
   - Acceptable score on English placement exam given by CCRI’s Department of Advising and Counseling.
3. An evaluation by an accrediting agency certifying that secondary school transcripts indicate equivalency to U.S. secondary school completion. A list of authorized agencies is available in the Office of Enrollment Services or at www.ccri.edu/oes/admissions/pdfs/international-student-app.pdf.
5. Evidence of Financial Support — If the applicant’s personal funds are not supporting his or her education, the college will accept a sponsor’s documentation of finances and a signed affidavit written or translated in English stating that the sponsor is accepting full financial responsibility for the student while he or she is in attendance at the Community College of Rhode Island.

International students:
- must pay out-of-state tuition and fees.
- are not eligible for financial aid.
- must attend full time (12 credit hours) each semester.
- do not have on-campus housing available.

Once accepted, students will be issued an acceptance packet with an accompanying I-20 form (Certificate of Eligibility for Nonimmigrant [F-1] Student Status).

NEW ENGLAND REGIONAL STUDENT PROGRAM

The New England Board of Higher Education (NEBHE) Regional Student Program allows students to attend CCRI at a regional tuition rate which is 150 percent of the current in-state tuition rate. To be considered for the regional rate, students must be enrolled in a degree or certificate program.

- Students who live in any New England state outside of Rhode Island qualify for the 150 percent NEBHE tuition rate effective January 2013.
- Out-of-state applicants to the Dental Hygiene program do not qualify for the NEBHE tuition rate.
- Students who return to CCRI after a break in enrollment are held to the NEBHE policy in place at the time of their return.

For further information, please visit www.ccri.edu/oes/admissions/residency/nebhe.html.
Admissions

UNDOCUMENTED STUDENTS LIVING IN RHODE ISLAND

In 2011, the former Rhode Island Board of Governors for Higher Education (now the Board of Education) approved a measure granting in-state tuition to students who are neither U.S. citizens nor permanent residents of the United States, provided that they attended a Rhode Island high school for three or more years and continue to live in Rhode Island; graduated from an approved Rhode Island high school or received a GED® credential; and signed an affidavit confirming that they are seeking legal status.

Students who wish to apply for in-state tuition based upon this criteria must complete and submit an application and affidavit, which can be found at www.ccri.edu/oes/admissions/residency.html. Students must also collect and submit documentation to show that they meet the requirements for receiving in-state tuition and fees.

For more information, visit www.ccri.edu/oes/admissions/residency.html or call the Office of Enrollment Services at 401-825-2003.

SPECIAL PROGRAMS FOR HIGH SCHOOL STUDENTS

Running Start Program

High school seniors who wish to study at CCRI on a full-time basis during the day may be eligible to earn college credit and credit toward high school graduation simultaneously. The Running Start Program is for high school students who have demonstrated academic achievement and the maturity necessary to enroll in college courses during their senior year of high school. The Running Start application is available at www.ccri.edu/oes/admissions/partnerships/runningstart.html.

High School Enrichment Program

High school juniors and seniors who wish to take CCRI courses on a part-time basis (up to six credits) are required to complete an application for the High School Enrichment Program which is available in high school guidance departments or at www.ccri.edu/oes/admissions/partnerships/highschoolenrichment.html. Course selection is made at the discretion of the high school counselor or principal. Registration may be contingent on course availability and instructor agreement.

High School/Community College of Rhode Island Partnership Program

The High School/Community College of Rhode Island Partnership Program offers high school students the opportunity to earn college credits while in high school. Students enrolled in selected high school courses that meet CCRI curriculum requirements obtain college credits upon successful completion of the high school course, high school graduation and enrollment at CCRI. Interested high school students should contact their school counselor as soon as possible so they may enroll in appropriate classes while in high school.

To obtain credit, students must submit an official high school transcript and an Articulated Credit Form available at www.ccri.edu/oes/admissions/partnerships/HSCCRIPartnership.html.

For more information about special programs for high school students, visit www.ccri.edu/oes/admissions/partnerships or call CCRI’s Office of Enrollment Services at 401-825-2003.

For information about Prepare RI dual and concurrent enrollment programs, please see the Rhode Island Department of Education website at www.ride.ri.gov.

VETERANS EDUCATIONAL ASSISTANCE

Certification of benefits is provided by the veterans certifying officials in the Office of Enrollment Services. Students who qualify for veterans educational benefits may obtain enrollment and certification information by visiting www.ccri.edu/oes/veterans.

According to Rhode Island General Law (30-30.2-3 (2), all combat veterans of the United States Armed Forces, the National Guard, the Reserves, and the United States Coast Guard shall have priority course registration at any Rhode Island public institution of higher education. The next day, priority registration is open to all veterans and their families who are using VA Education benefits.
SUMMER 2016

Session I (Warwick, Lincoln, Providence and Newport campuses)
◊ Summer registration begins for Sessions I and II................................. April 4
◊ Cancellation of classes with insufficient enrollment
  (Notice: Students will be notified via MyCCRI email.)..........................May 16–17
◊ Waiver registration day for senior citizens, disabled American veterans
  and unemployed Rhode Island citizens (Lincoln, Newport, Providence and
  Warwick locations, 9 a.m. to 3 p.m.).....................................................May 18
◊ Session I – Classes begin................................................................. May 23
◊ Session I – Add period for enrolled students................................. May 23–25
◊ Session I – Drop period for enrolled students
  (Courses will not appear on transcript.)..............................................May 23–27
◊ Faculty to report verification of enrollment..................................May 23–27
◊ No refund of tuition or fees after this date.....................................May 27
◊ Holiday (no classes) ..................................................................... May 30
◊ Make-up for day and evening courses ........................................June 3
◊ Session I – Last day to withdraw from a class to receive a grade of “W”.....June 16
◊ Finals week for Session I classes.....................................................June 27–July 1
◊ Holiday (no classes) ..................................................................... July 4
◊ Session I – Grades due by faculty no later than NOON
  (Grades may be entered prior to specified date.)...............................July 5

Session II (Warwick, Lincoln, Providence and Newport campuses)
◊ Cancellation of classes with insufficient enrollment
  (Notice: Students will be notified via MyCCRI email.).........................June 28–29
◊ Waiver registration day for senior citizens, disabled American veterans
  and unemployed Rhode Island citizens (Lincoln, Newport, Providence and
  Warwick locations, 9 a.m. to 3 p.m.).................................................June 30
◊ Holiday (no classes) ..................................................................... July 4
◊ Session II – Classes begin.................................................................July 5
◊ Session II – Add period for enrolled students.................................July 5–7
◊ Session II – Drop period for enrolled students
  (Courses will not appear on transcript.).............................................July 5–11
◊ Faculty to report verification of enrollment..................................July 5–7
◊ No refund of tuition or fees after this date.....................................July 11
◊ Session II – Last day to withdraw from a class to receive a grade of “W”.....Aug. 4
◊ Holiday (no classes) ..................................................................... Aug. 8
◊ Finals week for Session II classes................................................... Aug. 9–15
◊ Make-up for day and evening courses ............................................Aug. 12
◊ Session II – Grades due by faculty no later than NOON
  (Grades may be entered prior to specified date.)...............................Aug. 16

Note: All dates are tentative and subject to change. See www.ccri.edu for latest information.
While most courses follow this schedule format, in some cases, courses are offered in differing
 timeframes. To check the start and end dates of a specific class, please refer to the Available
 Courses link on www.ccri.edu.
**FALL 2016**

- Early advising begins (Get your educational plan now.) .................................................. March 14
- Fall registration begins for continuing and new degree students ..... April 11
- Fall registration begins for continuing and new nondegree students (not currently enrolled in a program of study) .......................................................... May 2
- Late registration ................................................................................................................. Aug. 15–26
- Cancellation of classes with insufficient enrollment  
  (Notice: Students will be notified via MyCCRI email.) .................................................. Aug. 23–24
- Waiver registration period for senior citizens, disabled American veterans and unemployed Rhode Island citizens (Lincoln, Newport, Providence and Warwick locations, 9 a.m. to 3 p.m.) .................................................................................................................. Aug. 25
- Faculty/Staff Opening Day meeting (no classes) ................................................................. Aug. 30
- Classes begin (all locations) .............................................................................................. Aug. 31
- Add period for enrolled students ..................................................................................... Aug. 31–Sept. 12
- Drop period for enrolled students  
  (Courses will not appear on transcript.) ............................................................................ Aug. 31–Sept. 19
- Holiday (no classes) ......................................................................................................... Sept. 5
- Faculty to report verification of enrollment ....................................................................... Sept. 7–19
- No refund of tuition or fees after this date at all locations ............................................... Sept. 13
- Holiday (no classes) ......................................................................................................... Oct. 10
- Monday class schedule followed (make-up for Columbus Day) ........................................ Oct. 12
- Midterm grades due by faculty no later than NOON .................................................... Oct. 19
- Election Day (no classes) .................................................................................................. Nov. 8
- Last day to withdraw from a class to receive a grade of “W” .......................................... Nov. 8
- Friday class schedule followed (make-up for Veteran’s Day) .......................................... Nov. 9
- Holiday (no classes) ......................................................................................................... Nov. 11
- Thanksgiving recess (no classes) .................................................................................... Nov. 24–27
- Last day of classes (daytime) .......................................................................................... Dec. 13
- Reading Day ..................................................................................................................... Dec. 14
- Final exams for day classes ............................................................................................. Dec. 15–20
- Final grading now available (Submit grades 48 hours after final exam.) ................. Dec. 13–24
- Last week of evening and weekend classes ..................................................................... Dec. 15–21
- Grades due by NOON (Grades may be entered prior to specified date.) ............ Dec. 24

**SPRING 2017**

- Early advising begins (Get your educational plan now.) .................................................. Oct. 17
- Spring registration begins for continuing and new degree students ..... Nov. 14
- Spring registration begins for continuing and new nondegree students (not currently enrolled in a program of study) .......................................................... Dec. 5
- Late registration ................................................................................................................. Jan. 9–20
- Cancellation of classes with insufficient enrollment  
  (Notice: Students will be notified via MyCCRI email.) .................................................. Jan. 17–18
- Waiver registration day for senior citizens, disabled American veterans and unemployed Rhode Island citizens (Lincoln, Newport, Providence and Warwick locations, 9 a.m. to 3 p.m.) .................................................................................................................. Jan. 19
- Classes begin (all locations) .............................................................................................. Jan. 23
- Add period for enrolled students (Courses will not appear on transcript.) .................. Jan. 23–29
- Drop period for enrolled students .................................................................................. Jan. 23–29
- Faculty to report verification of enrollment ..................................................................... Jan. 30–Feb. 5
- No refund of tuition or fees after this date at all locations ............................................... Feb. 5
- Midterm grades due by faculty no later than NOON .................................................... March 8
- Spring recess (all locations – including Westerly) ......................................................... March 13–19
- Last day to withdraw from a class to receive a grade of “W” .......................................... April 6
- Professional Development Day – No day classes (8 a.m. to 3 p.m.)  
  Evening classes will be held (4 to 10 p.m.) .................................................................. April 8
- Easter recess (no classes Saturday and Sunday) ............................................................... April 15–16
- Last day of classes (daytime) .......................................................................................... May 5
- Reading day (daytime) ..................................................................................................... May 8
- Last week of evening and weekend classes ................................................................... May 8–14
- Final grading now available (Submit grades 48 hours after final exam.) ................. May 8–17
- Final exams for day classes ............................................................................................. May 9–12
- Grades due by NOON (Grades may be entered prior to specified date.) ........ May 17
- Commencement ................................................................................................................ May 19

Note: All dates are tentative and subject to change. See www.ccri.edu for latest information. While most courses follow this schedule format, in some cases, courses are offered in differing timeframes. To check the start and end dates of a specific class, please refer to the Available Courses link on www.ccri.edu.
**Tuition and Fees (Fall 2016–Spring 2017)**

The tuition and fees listed below are accurate as of March 1, 2016. However, CCRI is a state-supported agency so tuition and fees are subject to change by action of the Rhode Island Board of Education. We do expect the tuition and fees to change. Please check [www.ccri.edu/bursar/tuition_fees.html](http://www.ccri.edu/bursar/tuition_fees.html) for the most up-to-date information.

### FULL-TIME STUDENTS (12 CHEs* or more per semester)

<table>
<thead>
<tr>
<th></th>
<th>In State</th>
<th>Regional</th>
<th>Out of State</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Tuition Fee</td>
<td>$1,975</td>
<td>$2,963</td>
<td>$5,590</td>
</tr>
<tr>
<td>Registration Fee</td>
<td>$25</td>
<td>$25</td>
<td>$25</td>
</tr>
<tr>
<td>Commuting and Parking Fee</td>
<td>$12</td>
<td>$12</td>
<td>$12</td>
</tr>
<tr>
<td>Student Activity Fee</td>
<td>$36</td>
<td>$36</td>
<td>$36</td>
</tr>
<tr>
<td>Learning Resource Fee</td>
<td>$40</td>
<td>$40</td>
<td>$40</td>
</tr>
<tr>
<td>Technology Fee</td>
<td>$45</td>
<td>$45</td>
<td>$45</td>
</tr>
<tr>
<td>Lab Fee** (as designated in schedules)</td>
<td>Varies</td>
<td>Varies</td>
<td>Varies</td>
</tr>
</tbody>
</table>

Credits over 19 for full-time students are charged at per-credit-hour rate. Students enrolled in a program of study requiring more than 19 credits per semester pay the per-credit-hour rate for any additional credits over program requirements.

### PART-TIME STUDENTS (11 CHEs* or less per semester)

<table>
<thead>
<tr>
<th></th>
<th>In State</th>
<th>Regional</th>
<th>Out of State</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Tuition Fee</td>
<td>$180 CHE*</td>
<td>$270 CHE*</td>
<td>$534 CHE*</td>
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<tr>
<td>Registration Fee</td>
<td>$25</td>
<td>$25</td>
<td>$25</td>
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<tr>
<td>Commuting and Parking Fee</td>
<td>$1 per credit</td>
<td>$1 per credit</td>
<td>$1 per credit</td>
</tr>
<tr>
<td>Student Activity Fee</td>
<td>$3 per credit</td>
<td>$3 per credit</td>
<td>$3 per credit</td>
</tr>
<tr>
<td>Learning Resource Fee</td>
<td>$4 per credit</td>
<td>$4 per credit</td>
<td>$4 per credit</td>
</tr>
<tr>
<td>Technology Fee</td>
<td>$4 per credit</td>
<td>$4 per credit</td>
<td>$4 per credit</td>
</tr>
<tr>
<td>Lab Fee** (as designated in schedules)</td>
<td>Varies</td>
<td>Varies</td>
<td>Varies</td>
</tr>
</tbody>
</table>

*Credit Hour Equivalent.

**Generally, for one-credit courses, lab fees are $10. For courses with two or more credit hours, lab fees are $20.

### Nonresidents

- U.S. citizens who are not permanent residents of Rhode Island and who do not qualify under the New England Regional Student Program are charged tuition at the out-of-state rate. Questions about in-state residency should be directed to the Office of Enrollment Services.

- Students who are not U.S. citizens or who do not possess a Resident Alien Card (I-151, I-551) or I-94 signifying refugee status may be charged tuition at the out-of-state rate. For more information, please visit [www.ccri.edu/oes/admissions/residency.html](http://www.ccri.edu/oes/admissions/residency.html).

### Tuition Rates

A residency policy is in effect. Please visit [www.ccri.edu/oes/admissions/residency.html](http://www.ccri.edu/oes/admissions/residency.html) for information regarding this policy. This policy will determine if students will be charged the in-state, out-of-state or regional tuition rate.
Tuition and Fees

PAYMENT METHODS
Cash, checks, money orders, Visa, MasterCard and Discover Card payments are accepted at the Warwick, Lincoln, Providence and Newport campuses. Visa, MasterCard and Discover Card payments also can be made on the CCRI website. CCRI also accepts check (ACH) payments online.

DEFERRED PAYMENT PROGRAM
The CCRI EasyPay deferred payment program allows eligible students to divide their semester payments into three or four equal installments with no interest for Fall and Spring semesters. For Summer terms, students can divide semester payments into two or three equal installments. To be eligible, students must have an account balance of at least $300. A $30 enrollment fee is required for each semester that students enroll in the program. Learn more at www.ccri.edu/bursar.

EXPLANATION OF FEES
Unless specified as nonrefundable, fees may be refundable based on the date of a student’s drop or withdrawal. Check the official college calendar at www.ccri.edu/academics/calendar.html for specific add/drop dates.

Application Fee [NONREFUNDABLE $20] is a one-time fee required of all students who submit an Application for Enrollment to a degree or certificate program. This fee is not applicable toward the general tuition fee.

General Tuition Fee covers the cost of courses. The amount is determined by the number of credit-hour equivalents (CHEs) for which a student is registered each semester.

Student Activity Fee is required of all students. This fee covers student services such as IDs and orientation programs as well as the various activities sponsored by student organizations and admission to all college home athletic events held at the field house.

Registration Fee is required of all full- and part-time students.

Laboratory Fee is required for certain courses in addition to the tuition for the course. Generally, for one-credit courses, lab fees are $10. For courses with two or more credit hours, lab fees are $20.

Placement Fee [NONREFUNDABLE $40] is a one-time fee required of all students. It is used to defray the cost of mandatory placement tests and student orientation. This fee must be paid prior to taking the tests and the student must bring their paid receipt to the Department of Advising and Counseling on the day they are scheduled to be tested. Following their acceptance for admission to the Community College of Rhode Island, all new students will be contacted to schedule the mandatory ACCUPLACER placement tests in writing, reading and math before they can register for classes. For more information regarding the ACCUPLACER test, please call one of the following campus locations: 401-825-2301 (Warwick), 401-333-7159 (Lincoln), 401-455-6149 (Providence) or 401-851-1631 (Newport).

Learning Resource Fee is required of all CCRI students. This fee assists student support programs and related library-based activities.

Technology Fee is required of all students. This fee is used to maintain computer labs and the technology infrastructure.

Commuting and Parking Fee is required of all students. It will be used to fund the re-establishment of a discounted RIPTA fare program for students and parking improvements at all campuses.

Extra Credit Administrative Fee is billed to students enrolled in 16 credit hours or more. This fee helps to better align the differential in the per-credit tuition rates between full- and part-time students.

Art Studio Fee supports those art courses utilizing materials and equipment common to the environment necessary to work in specialized studio facilities.

Late Registration Fee [NONREFUNDABLE] is required when students register during the late registration period (or a date designated by CCRI). See Late Registration section on page 27 of this catalog for more specific information.

Commencement Fee [NONREFUNDABLE $40] is required for all graduating students. The fee includes the cost of the diploma, cap and gown, and attendance at all commencement activities.

Applied music courses carry additional fees as do certain other courses depending upon their nature. The cost of studio lessons is in addition to regular semester fees. The nonrefundable Applied Music Fee is to be paid to the Bursar after registering for one- and/or two-credit applied music courses. Contact the Performing Arts Department for information.

Culinary Arts Assistant Certificate Program requires a special fee. Contact the Bursar’s office for more information.

Returned Check Fee [NONREFUNDABLE $25] is charged for any check returned by the bank.

Nursing Clinical Fee is an additional fee assessed to certain Nursing courses to offset the rising costs of maintaining a high-quality program of study.

Nursing Testing Fee is for the Assessment Technology Institute test which is taken at the end of each semester in the Nursing program. The fee includes the test as well as the study materials which are distributed each semester. There is no reimbursement of the testing fee after the study materials have been distributed.

Dental Hygiene Fee is an additional fee assessed to certain dental hygiene courses to offset the rising costs of maintaining a high-quality program of study.
WAIVERS

Tuition waivers are available in the following categories: unemployment, senior citizen, disabled veteran and Rhode Island National Guard. Exact dates of registration and criteria for acceptance into these programs are publicized online at www.ccri.edu/bursar/waivers.html. Contact the Office of the Associate Vice President for Student Services about unemployment and senior citizen waivers. Contact the Office of Enrollment Services about Rhode Island National Guard and disabled veteran waivers.

Please note: Some waivers may not be used for courses that reserve places for students upon acceptance to specific programs of study as listed at www.ccri.edu/bursar/waivers.html. Additionally, waivers do not cover the cost of books.

A waiver exchange policy established by the then Board of Governors for Higher Education for the state of Rhode Island states that a student who pays full-time tuition “at one of the public institutions of higher education in Rhode Island may enroll for a maximum of seven credit hours of study per semester at one of the other public institutions at no additional expense,” subject to certain requirements of each institution’s own policies. Interested students should contact CCRI’s Office of Enrollment Services.

For further information, please contact the Bursar’s Office during regular business hours or visit www.ccri.edu/bursar/waivers.html.

REFUND POLICY FOR DROP/WITHDRAWAL

Note: All part- and full-time students are subject to the following refund policy:

- Refunds are determined by the date specified on the notification of withdrawal, or the date on which the student drops or withdraws from class(es).
- Students who drop and/or withdraw from classes up to 10 days prior to the start of classes (or a date designated by CCRI) receive a 100 percent refund of tuition and all fees.
- Students who drop and/or withdraw from classes 10 days prior to the start of classes (or a date designated by CCRI) through the add/drop period receive 100 percent refund of tuition and course assessed lab fees only. (Note: All other fees, including Registration fee, Activity fee, Student Union fee and Learning Resource fee, are not refunded.)
- Students who drop or withdraw from classes after the add/drop period WILL NOT receive any refund of tuition or fees.

Refund Policy for Drop/Withdrawal from Modular Courses
(Courses that do not meet the standard 15 weeks, i.e. five-week courses)

Note: All part- and full-time students are subject to the following refund policy:

- Refunds are determined by the date specified on the notification of withdrawal, or the date on which the student drops or withdraws from class(es).
- Students who drop or withdraw from classes on or before two (2) days prior to the first day of a modular session receive a 100 percent refund of all tuition and fees.
- Students who drop or withdraw after two (2) days prior to the first day of class through the established course adjustment period for the modular session will receive a 100 percent refund of tuition and course assessed fees only. Note: All other fees will not be refunded.
- Students who drop or withdraw from courses after the end of the drop period for the modular session do not receive any refund.
- Students with extenuating circumstances may appeal for consideration of a refund by contacting the associate vice president for Student Services.
- For questions about the refund policy, call the Bursar’s Office at 401-825-2151 in Warwick, 401-333-7177 in Lincoln, 401-455-6118 in Providence and 401-851-1640 in Newport.
Financial Aid

The Community College of Rhode Island offers financial assistance to students who might otherwise be unable to further their education without such support. Depending on the type of aid, eligibility is based on one or more of the following criteria: financial need of the individual (in the case of dependent students, family need is used), educational costs, academic program and availability of funds.

**TYPES OF FINANCIAL AID**

- **Pell Grant** – A federal grant awarded when the student does not have a B.S./B.A. degree equivalent. Awards are based on students' enrollment status and their expected family contribution. Awards for full-time students range from $590 to $5,815 per academic year.

- **Federal Supplemental Educational Opportunity Grant (FSEOG)** – A federal grant that is awarded when a student demonstrates exceptional need and does not have a B.S./B.A. degree or equivalent.

- **College Work Study Program (CWS)** – A federal work program that provides jobs to help pay for educational expenses. This program encourages community service and work related to the student’s course of study. Students will be paid at least the federal minimum wage and can work up to 15 hours per week.

- **Student Help** – A CCRI institutional non-need-based student work program on campus. Students will be paid at least the minimum wage and can work up to 15 hours per week. Students who are not eligible for need-based CWS may be considered for the Student Help program.

- **Federal Direct Subsidized Stafford Loan** – When a student’s need cannot be met with other forms of financial aid, a federal direct Stafford Loan may be recommended. A subsidized loan has a fixed interest rate of 4.29 percent*. No interest is charged while a student is in school at least half-time, during the grace period or during deferment periods. Repayment is deferred until six months after students graduate, withdraw or enroll less than half time. An origination fee is charged at time disbursement. Students must be enrolled at least half time (six credits) at time of disbursement.

- **Federal Direct PLUS Loan** – PLUS loans allow parents of dependent undergraduate students to borrow up to the cost of education minus other financial assistance. The program has a fixed interest rate of 6.84 percent*. Like the direct unsubsidized Stafford Loan, interest is not deferred during all in-school, grace and deferment periods. An origination fee is charged at disbursement. Unless deferred, repayment begins 60 days after the last disbursement of the academic year. Student must be enrolled at least half time (six credits) at time of disbursement.

- **Rhode Island Promise Scholarship (formerly Rhode Island State Grant)** – Pell Grant recipients, who are Rhode Island residents, enrolled at least half-time (6 credits), in need of additional free aid to pay for tuition and fees and some funding for books, may be awarded the Rhode Island Promise Grant. The grant may be prorated based upon students’ enrollment status when considering the amount of grant to be awarded. The amount of the grant awarded will be reflective of all free aid and waivers received.

- **CCRI Grant** – A CCRI institutional grant for students enrolled in an eligible certificate or degree-granting program. Student must be enrolled in at least six credits each term and meet certain eligibility requirements. The grant may be prorated based upon students’ enrollment status when considering the amount of grant to be awarded.

- **Scholarships** – Awarded by the CCRI Foundation and the Alumni Association to assist incoming, continuing, graduating and transferring students in meeting their financial needs. More than 90 scholarships, which are both need-based and/or merit-based are awarded to deserving students each year. Detailed information about each scholarship and the application is available at [www.ccri.edu/foundation/scholarships](http://www.ccri.edu/foundation/scholarships).

* Rates effective 7/1/15–6/30/16
WITHDRAWAL FROM THE COLLEGE

Repayment of Title IV Funds
The Federal Financial Aid Title IV Refund Policy requires colleges to calculate how much federal aid a student has earned if they withdraw or stop attending all of their courses prior to completing more than 60 percent of the semester. Students must earn at least 67 percent of all cumulative credits attempted. For example, students who have attempted nine (9) credits must earn six (6) credits to maintain a 67 percent completion rate. Students who have attempted 24 credits cumulatively must earn 16 credits cumulatively. Transfer credits accepted by CCRI are included when calculating completion rates.

Students must maintain a cumulative “financial aid grade point average” of 2.0 to retain eligibility for financial aid.

Students must earn at least 67 percent of all cumulative credits attempted. For example, students who have attempted nine (9) credits must earn six (6) credits to maintain a 67 percent completion rate. Students who have attempted 24 credits cumulatively must earn 16 credits cumulatively. Transfer credits accepted by CCRI are included when calculating completion rates.

Students must complete their program of study within 150 percent of the time frame allowed. For example, students enrolled in a 60 credit degree program must complete their program before exceeding 90 attempted credits. Transfer credits accepted by CCRI are included when calculating maximum time frame.

The first 30 credits of a student’s developmental coursework do not count toward the 150 percent limit; however, developmental credits attempted and grades earned in these courses are counted in the qualitative and quantitative academic progress measures. Any developmental coursework above 30 credits will count toward the 150 percent limit and, therefore, may affect the student’s eligibility to receive financial aid. Financial aid does not pay for developmental coursework above the allowed 30 credits.

- The “financial aid GPA” includes all grades from developmental coursework. The institutional GPA excludes developmental coursework.
- All courses withdrawn from are considered credits attempted but not earned.
- Attempted credits are all credits registered for at the end of the add/drop period. To earn credits, a student must receive a final grade of A, B, C, D or F. Students who receive a final grade of F, I, IC, NA, NR, NS, W, WP or WF will not earn credits for their courses.
- The Financial Aid office is not notified if grades are changed after the final grading period. It is the responsibility of the student to request a re-evaluation of his or her eligibility.
- All students can repeat a course one time. Once the student repeats the course, the following applies:
  1. If a student receives a letter grade of A, B, C, D or F, financial aid will not pay for a third attempt.
  2. If a student receives W, WF, WP or NA in a course, it is considered attempted and not completed. Financial aid will pay for additional attempts until a student receives a grade of A, B, C, D or F.

A course is considered completed when a grade of “D” or better is earned. Therefore, courses initially graded as “Ws” and “Fs” are eligible for Financial Aid until a “D” grade or better is assigned.

Once a student receives a grade of “D” or better, option 1 or 2 will apply.
- All students receiving financial aid should only register for courses applicable to their current program of study.

Consequences for not meeting the requirements
- Students who do not meet the requirements will be notified via email following the semester that their progress falls below the standards. Students also may view their current SAP status via the Academic Progress link on the “For Students” tab of MyCCRI.
- If a student fails to meet the SAP policy described above, the student may be granted a “warning” semester during which time aid can be received. If at the end of the warning period the student still does not meet the cumulative SAP measures, the student will become academically ineligible for financial aid for the next semester.
- A student will become academically ineligible and placed on financial aid suspension if not making SAP following any warning or probationary period. This will result in the ineligibility for all federal, state and institutional financial aid (including federal work study, student help and direct student loans). Once placed on financial aid suspension,
Financial Aid/Transfer Information

a student may regain financial aid eligibility by completing a cumulative average of 
67 percent of all attempted credits with at least a 2.0 cumulative “financial aid grade 
point average” at CCRI.

• When a student becomes academically ineligible, the student has the right to appeal 
the suspension of his or her financial aid based on mitigating circumstances. All 
appeals must be submitted in writing and documentation must be provided when 
applicable. Situations such as serious illness and family emergencies may be consid-
ered as mitigating circumstances. The Office of Financial Aid then may grant the 
student a probationary semester based on these mitigating circumstances and may 
adjust the maximum time frame requirements.

• Students who are placed on probation after exceeding the 150 percent time frame 
will be given a plan of study by an academic adviser. During the probationary period, 
students must earn all credits attempted with at least a 2.0 “financial aid GPA,” 
and must continue to enroll in only those courses outlined in the plan of study and/ 
or courses specifically required for graduation from their current program of study. 
Failure to follow these conditions will result in the loss of financial aid for subsequent 
semesters without the right of appeal.

Visit www.ccri.edu/oes/fa for further information concerning the following topics: 
• how to apply for financial aid 
• CCRI bookstore authorizations 
• determining eligibility 
• student loan information 
• student employment 
• terms and conditions

Transfer Articulation with Four-Year Institutions

The Community College of Rhode Island has both college-to-college and program-
to-program transfer articulation agreements with many four-year institutions and the 
number of agreements continues to grow. These agreements guarantee that CCRI 
students who graduate with an associate degree and a specific grade point average will 
be accepted and will receive both transfer credit and advanced standing upon transfer to 
the four-year institution.

Transfer planning should begin during a student’s first semester at CCRI. For 
transfer information and planning, contact the Department of Advising and Counseling.

Information regarding transfer agreements is available in the Department of Advising 
and Counseling, in the academic departments, in the Office of Enrollment Services or at 
www.ccri.edu/oes/records/transfers/traagree.html.

Colleges and universities interested in exploring transfer articulation opportunities 
should contact the Office of Enrollment Services.

Our program-to-program agreements allow students to focus on a particular major 
while at CCRI and prepare for transition into a specific major at the four-year institution. 
These agreements allow students to maximize their transfer credits and enter as juniors 
at the four-year institution of higher learning. Detailed information regarding our current 
agreements can be found online at www.ccri.edu/oes/records/transfers/traagree.html.

Bryant University (RI)
• General Business (GBUS) to Business Administration
• General Studies (GENS) to Business Administration
• New Media Communication (NMCC)/General Studies (GENS) to Communication
• Science (SCID) to Biology

Chamberlain College of Nursing
• Nursing (NURS) – RN to BSN

Charter Oak State College (online)
• Dental Hygiene (DHYG), Histotechnician (HSTO) or Nursing (NURS) to 
Health Care Administration or Health Studies
• Emergency Management (EMGD), Fire Science (FIRE) or Law Enforcement (LENF) 
to Public Safety Administration

Johnson & Wales University (RI)
• Computer Programming (CPRD) to Computer Programming/Software Engineering
• Computer and Networking Technology (CNTD) to Network Engineering
• General Studies (GENS) to Liberal Studies
• General Studies (GENS) to Liberal Studies or Media & Communication Studies
• General Business (GBUS) to B.S. in Accounting, Business Administration, 
Finance, Management or Marketing
• General Business (GBUS) to B.S.B.A. in Entrepreneurship, Human Resource 
Management, International Business, Operations & Supply Chain Management 
or Organizational Risk & Cyber Security Management
• Liberal Arts (LIBA) to Liberal Studies or Media & Communication Studies

Providence College School of Continuing Education (RI)
• CCRI/PC-SCE Guaranteed Admission & Tuition Agreement (GATA)
• Fire Science (FIRE) to Fire Science
• General Studies (GENS) to Liberal Studies, Leadership Development 
or Professional Studies
• General Business (GBUS) to Leadership Development
• Liberal Arts (LIBA) to History, Liberal Studies, Social Science or Professional Studies

Salve Regina University (RI)
• Accounting (ACCT) to Accounting
• General Business (GBUS) to Business Administration
• General Business (GBUS) to Healthcare Administration and Management
• Law Enforcement (LENF) to Administration of Justice
• Marketing (MARK) to Marketing
University of Massachusetts-Dartmouth

- Accounting (ACCT) to Accounting
- Management (MNGT) to Management - Organizational Leadership
- Management (MNGT) to Management - Small Business/Entrepreneurship
- Marketing (MARK) to Marketing

Our college-to-college agreements allow students to transition to the four-year school after graduating with an associate degree from CCRI. Students are encouraged to contact representatives from the four-year schools to help maximize their transfer credits. For additional information regarding these agreements, visit: www.ccri.edu/oes/records/transfer/TransferArticulationAgreements.html.

American International College (MA)  Newbury College (MA)
Anna Maria College (MA)  Nichols College (MA)
Assumption College (MA)*  Rhode Island College (RI)
Bay Path University (MA)  Roger Williams University (RI)
Bridgewater State University (MA)  Sacred Heart University (CT)
College of St. Joseph (VT)  Salve Regina University (RI)
Curry College (MA)  Southern New Hampshire University (NH and online division)
Dean College (MA)  Strayer University (online)
Eastern Nazarene – Division of Adult and Graduate Studies (MA)  Suffolk University (MA)
Excelsior College (online)  SUNY Maritime College (NY)
Fisher College (MA and online division)  University of Massachusetts – Dartmouth (MA)
Green Mountain College (VT)  University of Massachusetts – Lowell (MA)
Johnson & Wales University (RI)  University of Rhode Island (RI)
Johnson State College (VT)  Vermont Technical College (VT)
Lasell College (MA)  *Agreements pending/under review.
Massachusetts College of Liberal Arts (MA)  New England Institute of Technology (RI)

Additionally, CCRI has numerous program transfer agreements and Joint Admissions Agreement options with Rhode Island College and the University of Rhode Island. For the most up-to-date information, please visit the RI Transfers website: www.ritransfers.org.

JOINT ADMISSIONS AGREEMENT (JAA) WITH RIC AND URI

Students interested in earning a bachelor’s degree from Rhode Island College (RIC) or the University of Rhode Island (URI) may choose to participate in JAA at CCRI. JAA is a program for first-time college students who sign up before earning 30 college-level credits.

JAA participants:
- Earn an associate degree in General Studies at CCRI.
- Complete one of the approved JAA transition plans within five years.
- Meet with a CCRI and a RIC or URI adviser each semester.
- Graduate from CCRI with at least a 2.4 cumulative GPA.
- Meet all the requirements of the JAA program.

Benefits to JAA participants:
- Access advising from CCRI and RIC or URI.
- Be conditionally accepted at RIC or URI while a student at CCRI.
- Transfer 60 credits that apply toward the bachelor’s degree at RIC or URI.
- Be eligible for a tuition reduction by earning a 3.0 GPA or higher.
- Save money through waived application fees at RIC or URI.
- Once at RIC or URI, register for courses with other degree students with the same number of credits.

Students interested in JAA should meet with an adviser in the Department of Advising and Counseling to discuss transfer options and complete the Joint Admissions Agreement application. For information on JAA, contact the JAA office by phone at 401-825-1233 or send an email to jaa@ccri.edu or contact the Department of Advising and Counseling on any campus. More information on JAA can be found on the CCRI website at www.ccri.edu/jaa.

TRANSFERRING FROM CCRI TO OTHER COLLEGES AND UNIVERSITIES

Transfer planning should begin during a student’s first semester at CCRI. While some four-year institutions prefer that students complete associate degree requirements before transferring, the entrance requirements at four-year colleges vary widely. Catalogs and websites of four-year colleges usually indicate this information, including the minimum cumulative grade point averages required for transfer, application procedures and deadlines.

- Transfer requirements range from a minimum of 2.0 (“C” average) GPA at many institutions to near 4.0 (“A” average) at more selective institutions.
- Students need to follow a plan of study at CCRI that is consistent with specific program requirements at the transfer institution. For example, Business Administration students need to complete a core of courses that most colleges recommend be
Transfer Information

The Office of Enrollment Services does not evaluate any health or rehabilitative services once their academic goals have been established. Preparatory classes are not transferable. Additionally, quarter-hour credits earned are converted to semester hour credits by a three-quarter ratio. Grades of “C-“ or better in courses required by the CCRI program of study are required for transfer. Some programs may have more stringent policies. Except for literature, speech, writing and select art courses, credits completed beyond 10 years do not transfer, unless the student seeks approval of the chairperson responsible for the intended major. Additionally, applicants to the Nursing program must have completed Human Anatomy and Human Physiology within five (5) years of entering NURS 1010.

The Office of Enrollment Services does not evaluate any health or rehabilitative health courses taken at other institutions. Any student that has this type of coursework should contact the appropriate chairperson to explore if transfer credit or challenge exams are appropriate. Additionally, individuals with military training or substantial life experience in a specific field may contact Peter Woodberry, Ph.D., dean of Business, Science and Technology, pwoodberry@ccri.edu, to explore prior learning assessment (PLA) or visit at www.ccri.edu/priorlearning.

Transfer students are required to take the ACCUPLACER placement exams. However, if a student transfers the equivalent of ENGL 1005 - College Writing or ENGL 1010 - Composition I, the writing portion of the exam may be waived. Failure to take the appropriate placement exams may cause problems when trying to register for courses that require testing scores as prerequisites.

The total amount of credits transferred, including PLA awards, may not exceed one-half of the credits required for a degree or certificate program. The transfer credit review process takes an average of two to three weeks to complete and may take longer during peak periods. Therefore, students are encouraged to send official transcripts from all prior institutions immediately after applying to the college. Students will be notified by mail once transcripts have been evaluated.

The Office of Enrollment Services maintains a transfer evaluation system (TES) to show how courses have historically transferred to CCRI. Potential students are encouraged to review the information listed in the database, www.ccri.edu/oes/records/transfers/TES.html.

Please note: Foreign transcripts must be evaluated by an outside agency prior to submission to the Community College of Rhode Island Office of Enrollment Services. A course-by-course evaluation with grade and credit hour equivalency is required for transfer credit assessment. Please visit www.ccri.edu/oes/records/transfers/tran_info.html for a list of approved agencies.

In most cases, a student must attend the Community College of Rhode Island on a full- or part-time basis during the semester in which the degree is to be awarded. However, a student who needs nine or fewer credits for graduation may take those credits at another regionally accredited postsecondary institution and transfer them back to CCRI to complete the degree. In that case, the student need not be enrolled at CCRI during the semester in which he or she graduates. Credits transferred back to CCRI are counted as part of the total number of transfer credits and credits in accordance with the provisions of the preceding paragraph.

taken at CCRI. This kind of planning ensures a maximum number of transfer credits since individual institutions have their own specific requirements.

• Students wishing to transfer should have their programs continually monitored by the Advising and Counseling staff, faculty advisers and representatives from the institutions they wish to attend. A transfer fair is held each semester at CCRI’s main campuses for this purpose. In addition, representatives from various colleges are routinely invited to campus to meet personally with students regarding transfer.

• Students desiring to transfer with advanced standing to other institutions must meet academic criteria and course requirements set by the receiving institution. Transfer credits for advanced standing are accepted at the option of the four-year college.

• Students applying for transfer to some four-year colleges and universities must show evidence of a high school diploma or its equivalent.

A Transfer Guide for Students, based upon the former Rhode Island Board of Governors’ (now Board of Education) Policy for Articulation and Transfer, is available to provide students with information about requirements to transfer to Rhode Island College and the University of Rhode Island. Transfer guides can be viewed online at www.ritransfers.org. Students are also encouraged to discuss their plans with the admissions officers at RIC at 401-456-8234 or URI at 401-874-7100. Interested students may call the Department of Advising and Counseling at 401-333-7160 in Lincoln, 401-825-2301 in Warwick, 401-455-6063 in Providence or 401-851-1625 in Newport to make an appointment with a counselor who can discuss options and assist in selecting courses for future semesters.

TRANSFERRING CREDITS TO CCRI

CCRI does not automatically give credit for courses taken elsewhere. Students entering CCRI who have satisfactorily completed collegiate-level courses at other regionally accredited institutions may have their courses evaluated by the Office of Enrollment Services once their academic goals have been established. Preparatory classes are not transferable. Additionally, quarter-hour credits earned are converted to semester hour credits by a three-quarter ratio.

Grades of “C-“ or better in courses required by the CCRI program of study are required for transfer. Some programs may have more stringent policies. Except for literature, speech, writing and select art courses, credits completed beyond 10 years do not transfer, unless the student seeks approval of the chairperson responsible for the intended major. Additionally, applicants to the Nursing program must have completed Human Anatomy and Human Physiology within five (5) years of entering NURS 1010.

When evaluating course transfers, the Office of Enrollment Services requires a course-by-course evaluation with grade and credit hour equivalency. Please visit www.ccri.edu/oes/records/transfers/trans_info.html for a list of approved agencies.

In most cases, a student must attend the Community College of Rhode Island on a full- or part-time basis during the semester in which the degree is to be awarded. However, a student who needs nine or fewer credits for graduation may take those credits at another regionally accredited postsecondary institution and transfer them back to CCRI to complete the degree. In that case, the student need not be enrolled at CCRI during the semester in which he or she graduates. Credits transferred back to CCRI are counted as part of the total number of transfer credits and credits in accordance with the provisions of the preceding paragraph.

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CCRI’s Definition of an Educated Person

FOUR ABILITIES
The faculty and staff of the Community College of Rhode Island have established four critical abilities that define the learning outcomes of a CCRI graduate. These four abilities can be applied in many contexts and are critical skills that must be developed not only at CCRI, but over the course of a lifetime. These core abilities guide students, faculty and staff in establishing educational goals and assessing learning within and across the primary domains of knowledge: arts and humanities, science and mathematics, and the social sciences. They are:

1. Effective Communication
   - Use standard English grammar and mechanics.
   - Create work that addresses a given purpose and context and responds to the target audience.
   - Present a central idea, supported by concrete, relevant details.
   - Establish a clear and consistent sequence of ideas.

2. Critical Thinking
   - Identify and analyze complex ideas.
   - Determine a research focus and the nature and scope of information needed.
   - Locate, evaluate and use information effectively.
   - Draw logical conclusions from information.
   - Express well-reasoned or innovative perspectives.

3. Quantitative, Mathematical and Scientific Reasoning
   - Demonstrate an understanding of mathematical, quantitative or scientific principles.
   - Apply a scientific approach in asking questions.
   - Apply mathematical, quantitative or scientific principles in solving problems.
   - Interpret numeric information in graphical form.

4. Social Interaction
   - Evaluate ethical dimensions of decisions.
   - Use teamwork to accomplish tasks in groups.
   - Demonstrate an understanding of global, cultural and historical perspectives.

Assessment of Student Learning
CCRI is committed to providing quality education and assuring that students acquire the knowledge and skills necessary to be successful.

Assessment of student learning provides the information needed to make improvements in program structure, course content and pedagogy. To this end, information, including samples of student work provided by faculty, may be collected at the classroom, department and institution levels. The information collected is completely anonymous and has no impact on student grades. Aggregated results are used for program planning purposes and may be included in institutional research analyses and reports. In addition, students may be asked to submit samples of their coursework and engage in focus groups. They also may be asked to complete a questionnaire assessing the quality of academic services.

These activities help determine the extent to which students demonstrate competency in the areas outlined in CCRI’s Definition of an Educated Person and in their area of concentration.
### COURSES APPROVED FOR GENERAL EDUCATION CREDITS

The following courses have been approved for meeting general education credits within the listed disciplines.

#### Humanities (Attribute: HUMN)

Humanities courses present knowledge concerned with humanity and world culture: philosophy, literature, language study and the fine arts. The fine arts include music, theater and visual arts. The following are accepted general education humanities courses:

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#### Mathematics and Science (Attribute: MSCI)

These courses present systematized knowledge derived from observation, study and experimentation. The following are accepted general education math/science courses:

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#### Social Sciences (Attribute: SSCI)

Courses within the social sciences are concerned with the study of people and their behavior, both individually and as a member of groups, nations, cultures and societies. The following are accepted general education social sciences courses:

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Course Attributes

Many of the general education courses listed on the previous page have been assigned an additional attribute, a quality that signifies that a particular class belongs to a group that will satisfy a program requirement. The *additional attributes* listed on this page are as follows:

**FINE** = Fine Arts  
**HUMAN** = Humanities  
**LABS** = Lab Science  
**LANG** = Foreign Languages  
**LITR** = Literature  
**MTHH** = Mathematics  
**MSCI** = Mathematics and Science  
**PROG** = Programming  
**SSCI** = Social Sciences

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</tr>
</tbody>
</table>
Grading System

<table>
<thead>
<tr>
<th>GRADE</th>
<th>Description</th>
<th>Cumulative Grade Index</th>
<th>Number of Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Superior</td>
<td></td>
<td>4.0</td>
</tr>
<tr>
<td>A-</td>
<td>Above Average</td>
<td></td>
<td>3.7</td>
</tr>
<tr>
<td>B+</td>
<td>Above Average</td>
<td></td>
<td>3.3</td>
</tr>
<tr>
<td>B</td>
<td>Above Average</td>
<td></td>
<td>3.0</td>
</tr>
<tr>
<td>B-</td>
<td>Average</td>
<td></td>
<td>2.7</td>
</tr>
<tr>
<td>C+</td>
<td>Average</td>
<td></td>
<td>2.3</td>
</tr>
<tr>
<td>C</td>
<td>Average</td>
<td></td>
<td>2.0</td>
</tr>
<tr>
<td>D+</td>
<td>Below Average</td>
<td></td>
<td>1.3</td>
</tr>
<tr>
<td>D</td>
<td>Below Average</td>
<td></td>
<td>1.0</td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
<td></td>
<td>0</td>
</tr>
</tbody>
</table>

(Also used by the Nursing, Allied Health, Rehabilitative Health and Dental Health departments when a student fails the clinical component of any course)

The following designations are not calculated in the grade point average.

S: Satisfactory
This is used for noncredit courses except MATH 0500, 0600 and 0700 and field experience.

U: Unsatisfactory
This is used for noncredit courses except MATH 0500, 0600 and 0700 and field experience.

I: Incomplete Work
This temporary grade designation is awarded at the end of a course. It is awarded only when a student is PASSING, has attended or completed at least 75 percent of the course and is unable to complete the course due to extenuating circumstances (i.e. illness, death, unforeseeable accident, unavoidable circumstances, etc.). With the instructor’s consent, a Contract for Completion of Incomplete Coursework form must be completed by the instructor and student with the understanding all remaining work must be completed by the end of the following semester (exception: If “I” is given in spring, work must be completed by end of fall semester.) Should the work not be completed by the established date of contract, the “I” will change to an “F.”

I/C: Incomplete Continuing
This is allowed only for students in the math lab and other nontraditional, self-paced courses. It permits a student to continue in a course while satisfactorily progressing toward completion of course objectives.

W: Official Withdrawal
This is used when a student officially withdraws from a course during weeks three through 10 or two-thirds the length of the course. It is included in attempted credits but not in the grade point index.

WP: Unofficial Withdrawal, Passing
This is used when a student unofficially withdraws from a course at any point in the course and has a passing grade. It is included in attempted credits but not in the grade point index.

WF: Unofficial Withdrawal, Failing
This is used when a student unofficially withdraws from a course at any point in the course and has a failing grade. It is included in attempted credits but not in the grade point index.

NA: Unofficial Withdrawal, No Assessment
This is used when a student unofficially withdraws from a course before the instructor has made any academic assessment. It is included in attempted credits but not in the grade point index.

AU: Audit
Refer to Academic Information/Audits on page 28 in this catalog.

GRADE REPORTS
Grades are available online through MyCCRI provided all financial obligations to CCRI are met. Students enrolled in modular courses also may view their grades online through MyCCRI.

IN-HOUSE CREDITS
In-house credits are counted for time status (full time or part time) and for reasons of financial aid and academic progress. They are not counted in overall GPA, do not count toward any degree or certificate and will show on the student transcript as “exclude credit.” An asterisk (*) following a letter grade on a transcript indicates in-house credit.

CONFIDENTIALITY AND REVIEW OF RECORDS
Refer to FERPA information on page 274.
Academic Standards Policy

THE GOAL OF THE POLICY
The main goal of any academic standards policy is to provide assistance to those students who are experiencing academic difficulty. An early warning to students experiencing academic problems often results in their seeking academic support through a variety of options that help students achieve academic success. An early warning may limit the number of credits a student may take in a semester. They also may be required to select special courses or other student support options that provide special academic assistance. The goal for the college and its students is to improve academic performance so that students may attain their academic and career goals.

THE STANDARDS
The following chart details the measures that will be used to determine a student’s academic standing. The standards have a quality component (GPA) measured against a quantitative component (number of credits attempted).

<table>
<thead>
<tr>
<th>ATTEMPTED CREDITS</th>
<th>CUMULATIVE GPA REQUIRED</th>
<th>WARNING</th>
<th>PROBATION</th>
<th>PROGRAM DISMISSAL*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0-15</td>
<td>1.25</td>
<td>Below 1.25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16-30</td>
<td>1.50</td>
<td>Below 1.50†</td>
<td>Previous warning, GPA below 1.50†</td>
<td></td>
</tr>
<tr>
<td>31-45</td>
<td>1.75</td>
<td>Below 1.75†</td>
<td>Previous warning, GPA below 1.75†</td>
<td>Previous warning, GPA below 1.75†</td>
</tr>
<tr>
<td>46-90</td>
<td>2.00</td>
<td>Below 2.00‡</td>
<td>Previous warning, GPA below 2.00‡</td>
<td>Previous warning, GPA below 2.00‡</td>
</tr>
</tbody>
</table>

* Students who are dismissed from a degree program are not permitted to enroll for courses as a nondegree student until they have consulted with an adviser to develop an academic plan of study.
† Students receiving financial aid must remain in good academic standing and are required to successfully complete a minimum of 67 percent of all courses attempted.
‡ Students who are dismissed from a degree program are not permitted to enroll for courses as a nondegree student until they have consulted with an adviser to develop an academic plan of study.

WHAT THE CATEGORIES MEAN
If a student fails to successfully complete enough courses in a semester and/or does not meet a required grade point average, the student may be placed under one of the following academic restrictions:

Academic Warning: Students are restricted to 13 semester credits and may be required to take three (3) credits of developmental courses. Students must see an academic adviser.

Academic Probation: Students are restricted to 10 semester credits. Students are required to see an academic adviser who may require at least six (6) of the 10 credits to be developmental courses.

Program Dismissal: Students will be dismissed from their program of study. These nonmatriculating students must see an academic adviser to review various academic and developmental options to regain good academic standing. When the student is readmitted to his or her program of study, that student will remain on probation for one academic semester. The academic adviser will determine the number of credits allowed for study.

The developmental interventions and academic options may include: a variety of skill development coursework, career skills/goals assessment, and program change or course load reduction.

STUDENT APPEAL OPTIONS
Students may appeal program dismissal status to the Committee on Academic Standards. The committee is composed of the dean of Student Development or designee, associate dean of Enrollment Services, Admissions and Financial Aid, the assistant dean of Enrollment Services, three faculty members and an academic dean who shall chair the committee.

Appeals Process: If a student feels there are serious extenuating circumstances that contributed to poor academic performance, the student has an opportunity to appeal the academic sanction of “program dismissal.” Students who wish to appeal the sanction of dismissal must meet with a counselor in the Department of Advising and Counseling to discuss the merits and procedures of the appeal. If it is decided that the student has grounds for an appeal, the following procedures will apply:

1. Students must present their appeal of academic dismissal in writing and state the specific circumstances which merit consideration of an appeal.
2. The letter of appeal will be addressed to the Academic Appeals Committee and mailed to the Office of the Dean of Arts, Humanities and Social Sciences, 400 East Ave., Warwick, RI 02886.
3. The Academic Appeals Committee will review the request for appeal and will render the decision of the committee. The student will be notified in writing of the committee’s decision.
Academic Information

**OTHER OPTIONS**

**The Academic Renewal (Forgiveness) Policy**

CCRI students may request academic renewal (forgiveness) to allow removal of poor grades from the calculation of their overall GPA based upon two options:

**Option 1:** Academic renewal based upon past academic performance

**Option 2:** Academic renewal based upon change of curriculum

**General provisions that apply to both Option 1 and Option 2**

1. A student may request academic renewal once under the academic performance option and once under the change of curriculum option.

2. If a student requests forgiveness for a course or courses in which he or she has earned a grade of “D” or “F,” the credits earned in any such course or courses will be removed from the total credits earned and the student will receive no credit for the course. However, courses including grades will remain on the student’s official transcript designated with a special code for academic renewal.

3. All requests should be submitted using the Academic Appeal Form and forwarded to the Academic Appeals Committee. Waiver forms are available from any adviser/counselor in the Advising and Counseling office on any campus.

**Specific provisions for Option 1**

- **Academic renewal based upon past academic performance**

  1. After three consecutive years of nonattendance at CCRI, a student may request academic renewal based upon past academic performance.

  2. After the student completes 12 credits with a GPA of 2.5, the request will be reviewed by the Academic Appeals Committee for the request to be considered.

  3. When the student’s request is approved by the Academic Appeals Committee, grades of “D” or “F” for the courses from the prior attendance period will be excluded from the calculation of the student’s grade point average. However, the courses and grades will remain on the student’s official transcript designated with a special code for academic renewal.

**Specific provisions for Option 2**

- **Academic renewal based upon change of curriculum**

  1. A student may request academic renewal based upon a change of program of study/major any time after matriculation and after completion of 12 or more credits with a GPA of 2.5 in his or her new program of study.

  2. If a student’s request is approved by the Academic Appeals Committee, grades of “D” or “F” in courses that were required by the previous program but are not required by the new program will be excluded from the calculation of the student’s grade point average. However, courses, including grades, will remain on the student’s official transcript designated with a special code for academic renewal.

The Academic Renewal Policy applies to matriculated CCRI students who have completed 12 credits with a GPA of 2.5 or better.

*Exceptions: For financial aid purposes, all attempted credits and grades from all courses (GPA), including those that were forgiven, must be included when determining financial aid eligibility. For details on the standards required for financial aid, visit www.ccri.edu/oes/af/academic_progress.html.

Note: All past academic work will remain part of the official transcript but will not be averaged into the cumulative grade point average.

**Note to Health Sciences students:**

Students enrolled in any of the Health and Rehabilitative Sciences programs must be aware of the following:

Academic standards specified by the Health and Rehabilitative Sciences programs supersede the college-wide academic standards. Students in these programs must follow the established academic standards policies for the specific department/program. Please refer to the specific program pages of this catalog or the respective department Web pages for specific policies and standards.

**Student Schedules**

**SEMESTER SCHEDULES**

Fall semester begins on August 31. Spring semester begins in January. Most classes offered in Warwick, Lincoln, Providence and Newport during these semesters are 15 weeks in length.

Two academic sessions are held during the summer. Session I begins in May and Session II begins in early July. Most summer session classes run for six weeks.

**COURSE LOAD**

To be considered enrolled full time, students must register for at least 12 credits. Any student who is registered for fewer than 12 credits is considered a part-time student and is billed accordingly.

**ADDITION A COURSE**

Using MyCCRI, students may add available courses to their schedule without permission of the instructor during the published add period found on the online college calendar (www.ccri.edu/academics/calendar.html). Students must add themselves to the wait list for any courses that are full (See information about the wait list below.)

Students may add a modular course, i.e. five-week, seven-week and 10-week courses, through the first meeting day of the course without the permission of the instructor unless the course is closed. MyCCRI is available to accept modular course registrations through the first week of those classes.
DROPPING A COURSE
Students may drop a course from their schedule without permission of the instructor during the published drop period found on the online college calendar (www.ccri.edu/academics/calendar.html). While permission to drop is not required, we strongly encourage each student to consult with the instructor, or in the case of those students who withdraw from the college, to speak with the Department of Advising and Counseling. Students must use the online MyCCRI system to officially drop a course.

Courses officially dropped prior to the end of the official published drop period are not graded and do not appear on the college transcript. Courses officially dropped during weeks two through 10 are graded with a “W” (official withdrawal) and appear as such on the transcript. Official withdrawal from a course is not permitted after week 10 or two-thirds the length of the course. Modular courses may be officially dropped and/or graded with a “W” depending on each course’s official drop period. Consult the Office of Enrollment Services regarding modular course official drop periods.

If students decide to drop a course that constitutes only a part of their schedule (leaving other courses of study in their schedule), they should follow the official drop procedure as noted above. Students will be subject to the prorated fees and rules as specified.

WAIT LIST
Prior to the start of classes, CCRI courses have an electronic wait list for students registering for this academic year (There are a few exceptions. Nursing courses do not have a wait list option.) The wait list is activated when the maximum enrollment for a class is reached and allows additional students to indicate an interest in the class. Active wait lists will remain in place until the start of late registration – at which time they will be purged. Important institutional dates can be found on the college calendar on pages 9 and 10 or online at www.ccri.edu/academics/calendar.html.

Students on a wait list will not be added to the class automatically. When an existing student drops the course, a MyCCRI email notification goes out to the first student on the wait list. That student has until the date and time indicated in the email notification to register. If he or she does not register by that date and time, a MyCCRI email notification will go to the next student on the wait list. The student who originally received the notice is no longer eligible to register for the course and is no longer on the wait list. Students wishing to get back on the wait list must go to their MyCCRI account, drop the wait list course from their schedule, click Submit, and then re-register for the wait list if there are still seats available.

CAPACITY OVERRIDE
Students may register online for classes only if there are seats available. If a course section is at capacity, faculty will have the option to assign the student a capacity override. Students issued a capacity override will receive a MyCCRI email notification with registration instructions. Students must register themselves using MyCCRI.

COURSE CANCELLATION POLICY
Courses that do not meet minimum enrollment standards will be canceled according to the college calendar for each semester. Any student affected by a cancellation will be notified via campus email prior to the first meeting. Registration for another section may be done online. Refunds due to course cancellations are made in full.

COURSE CREDIT POLICY
This policy governs all CCRI credit bearing courses.

For each credit hour, academic lecture courses will include one contact hour (50 minutes) involving direct faculty instruction (or its equivalent in blended and online learning formats) and a minimum of two hours of out-of-class work per week over a 15-week period. One credit hour will be awarded for laboratory and field/clinical courses which meet from 120 to 180 minutes per week over a 15-week period. The amount of time assigned to laboratory and field/clinical courses is determined by a consideration of transfer of theory to practice. For courses meeting in shorter timeframes, comparable equivalencies of contact time and out-of-class work are established.

This means, for example, that students in a three-credit course will meet with the instructor for 150 minutes (3 credits × 50 minutes) per week and will be responsible for an additional six hours (3 credits × 2 hours) of out-of-class work/homework. Laboratory or field/clinical courses will meet for three hours of direct faculty instruction plus an additional two to three hours of laboratory or field/clinical experience each week. Classes will meet for 15 weeks, unless courses are specifically identified as having an alternate timeframe.

WAIVING COURSE PREREQUISITES
Department chairs may waive course prerequisites online through the first week of classes. Students must register themselves through MyCCRI during the published add period.

PERMISSION OF INSTRUCTOR
Where “permission of instructor” is indicated in the course description of the catalog, instructors may assign an electronic override after the published add period. Students must register themselves through MyCCRI.

LATE REGISTRATION
For information about the late registration period refer to www.ccri.edu/oes/records/latereregistration.html. Students registering after the tuition due date must make payment on the day they register.
Academic Information

REPEATING A COURSE
When a student retakes a course for any reason, only the highest grade earned will be figured into the cumulative grade index; however, all the grades received for the course will appear on the student’s transcript. The recomputation of the highest grade earned in the cumulative index is automatic. This change must be made before the degree or certificate program is completed. Please note that repeating classes will affect a student’s financial aid eligibility.

WITHDRAWAL FROM COLLEGE
If a student drops all courses (or a course that is the only one for which he or she is registered), the student is considered to be withdrawing from the college for that term. Students who withdraw after the add/drop period must do so by completing an official withdrawal form through the Department of Advising and Counseling.

LEAVE OF ABSENCE
Leaves of absence are only issued for the Health Sciences programs. Students may request a leave from their program of study by completing a Leave of Absence form available from the department chair of their program. The leave of absence does not officially withdraw the student from the college. They must complete an official withdrawal form through the Department of Advising and Counseling. Students whose leave forms are signed by the department chair may be granted a leave of up to two consecutive semesters.

Students who find it necessary to leave CCRI and who are enrolled in programs other than Health Sciences program do not need to fill out a Leave of Absence form. They must, however, officially withdraw from the college.

ATTENDANCE
Regular class attendance is an essential part of student success in community college life. When the number of absences becomes excessive, the privilege of continuing in the course is jeopardized. Students are responsible for making up all academic work missed for any reason.

Attendance in First Week of Class is Critical
During the verification of enrollment (attendance) period, faculty will be reporting the names of the students who have attended their classes in the first week of the semester. Attendance is a condition of enrollment. Students must attend class during the first week of class or contact the instructor to make arrangements to continue in the course. If the instructor does not hear from the student during the first week of class, the student will be dropped from the class as a “no show.” Being marked as a “no show” means that the student is no longer officially enrolled in the class. Modular start classes will report verification of enrollment following the first week of their start.

Verification of Enrollment
All faculty members are required to complete verification of enrollment during the second week of classes. (This will allow evening classes that meet once per week to have two class meetings before reporting is required.) The verification of enrollment is used to verify that students are enrolled and to identify students who have failed to attend and failed to contact their instructor. These students will be reported as a “no show.”

Students marked as a “no show” will be sent an email notification that they have been dropped from the course. In cases where a student believes he or she was erroneously marked as a “no show,” a request can be made for re-admittance. The instructor will have the option of assigning an electronic permission code which will allow registration back into the class.

AUDITS
Individuals may audit lecture courses. This means that students may attend and participate in classes but choose to receive no grade or credits. To register as an auditor, students should follow the in-person registration procedures, indicating at that time the desire to audit. Auditors pay tuition and fees. Financial aid does not cover audits.

Experiential Education
CCRI students are provided the opportunity to participate in experiential learning outside the classroom. This option includes a supervised work experience related to a student’s academic interests or program of study. The work experience can be for academic credit or as a noncredit internship. If taken for credit, students develop learning objectives to practice and reinforce classroom theory. The work experience gained before graduation helps students confirm career choices, builds credible work experience, provides opportunities to network and gives students a competitive edge in the job market. Students who choose to earn academic credit can receive four to eight credits by completing one to two semesters of Cooperative Work Experience. These seminars are taken in conjunction with a field (work) placement. (See Cooperative Work Experience MEDL 2910 and LIBA 1010).

JAA students are encouraged to talk to their academic adviser about transferability of Cooperative Work Experience credits. Alternately, students can choose to participate in internships without academic credit to build experience in their field. For more information, call Career Planning at 401-825-2322.
Credit for Prior Learning
CCRI recognizes and evaluates learning acquired through work and life experiences, military as well as corporate-sponsored training, assuming it can be documented, is college-level and can be applied to specific courses offered at CCRI within a degree program.

- Students accepted into a degree program and currently enrolled in courses are eligible to participate in the prior learning assessment program.
- Students can earn credit through any of the following methods:

1. **Credit award based upon experiential learning documented in a portfolio prepared by the student:** This category includes requests for credit by students for their experiential learning activities that are nonstandard and for which CLEP/challenge exams are neither available nor appropriate for many courses. Assessing a claim for learning is done by portfolio, and may take several weeks to compile and assess. Not all courses are eligible for Credit for Prior Learning.

   A portfolio is a formal written communication addressing outcomes of specific courses taught at CCRI. The portfolio usually includes a detailed résumé and a narrative essay, which identifies the learning and documentation that the learning has taken place. The data assembled within the portfolio must make its case by identifying learning clearly and succinctly, and provide sufficient supporting information and documentation so that faculty can use it, alone or in combination with other evidence, as the basis for their evaluation.

   Each portfolio is assessed by a faculty member who has expertise in the subject area documented and will either recommend or deny a credit award. A fee is charged for posting credit awards to the transcript.

   For additional information, contact the Office of the Dean of Business, Science and Technology by visiting [www.ccri.edu/priorlearning](http://www.ccri.edu/priorlearning).

2. **Corporate-sponsored/advanced credit standardized award:** This category includes awards for most noncollegiate-sponsored learning such as municipal police academy training, state-approved apprenticeship training and other formal training programs that have been evaluated by the American Council on Education or CCRI faculty for a standardized credit award. An extensive list of such standardized awards is available on the prior learning assessment program website, [www.ccri.edu/priorlearning](http://www.ccri.edu/priorlearning). A fee is charged for posting credit awards to the transcript.

3. **Military credit:** Veterans and active duty military personnel seeking credits for their military training should have a copy of their military transcripts sent directly to the dean of Business, Science and Technology. Official copies of military transcripts can be requested online at [https://jst.doded.mil](https://jst.doded.mil). A fee is charged for posting credit awards to the transcript. There is no charge for CCAF awards.

4. **College Level Examination Program (CLEP):** This is a national system of awarding college credit by examination. It is used by more than 1,800 colleges and universities in the United States. There are two types of examinations:

   - **General examinations** designed to provide a comprehensive measure of undergraduate achievement in five basic areas of liberal arts (English composition, mathematics, natural sciences, humanities and social sciences/history). Tests are equated with specific courses in the current CCRI catalog. When acceptable scores are achieved on any of the general examinations, students may receive college credit.

   - **Subject examinations** designed to measure achievement in more than 30 undergraduate subjects including: foreign languages, science, mathematics, business, literature, history and social sciences. Students may earn credit by passing subject examinations in specific courses comparable to those in the current CCRI catalog.

   Students pay a fee for each CLEP exam. Information about CLEP examinations, including cost and test dates, is available on the Advising and Counseling website, [www.ccri.edu/advising](http://www.ccri.edu/advising).

5. **Departmental challenge exams** are generally offered only when an appropriate CLEP examination does not exist and when the specific skills are best assessed using a test format. Student fees associated with challenge exams are collected when testing has been approved and arrangements for the exam have been finalized. This fee is charged regardless of student success or failure on the exam.

   For more information about a particular departmental challenge exam, contact the chair of the academic department in which the subject of the exam is offered.
Additional Academic Information

DEAN’S LIST
A Dean’s List is published at the end of fall and spring semesters. A student is eligible for Dean’s List honors when he or she:

• is enrolled in a degree program;
• has earned 12 or more credits in one semester (not including any in-house credits or developmental classes);
• has achieved a grade point average of 3.25 or higher with no grade lower than “C” for the current semester.

Note: Students who earn a grade of I, IC, WP, WF are not eligible for the Dean’s List.

DISMISSAL FROM THE COLLEGE
Students dismissed from the college or a program for academic, social or other reasons are notified in writing at the time of dismissal. Some departments and programs have specific dismissal policies and students should acquaint themselves with them.

GRADUATION AWARDS
Academic achievement will be recognized at graduation for students who have met the following criteria:

• Graduation Honors: 3.25 cumulative grade point index
• Graduation High Honors: 3.50 cumulative grade point index
• Graduation Highest Honors: 3.75 cumulative grade point index

Note: To be eligible for honors, students must earn at least one-half of the credits for their program at CCRI.

AWARDING MULTIPLE DEGREES
The Community College of Rhode Island will award multiple associate degrees of the same designation only if there is a 30 credit difference between the two programs in which the degree is being earned.

CONFIRMED GRADUATES
Students will be confirmed as a graduate of the Community College of Rhode Island if degree requirements for the program of study in which they are enrolled have been satisfied according to the following schedule:

• Spring graduates will be confirmed in May.
• Fall graduates will be confirmed in December.
• Summer graduates will be confirmed in August.

HONORS PROGRAM
The Honors Program reflects the college’s commitment to academic excellence. By creating learning communities and by strengthening the opportunities for intellectual dialogue, the Honors Program enhances the educational experience at CCRI.

Students can earn honors credits through independent study projects, supplementary projects within existing course sections and specially designated “honors” courses. Each honors project must be sponsored by an instructor. Students may take a maximum of two honors projects in any one semester.

To be eligible for the Honors Program, students must have completed at least 12 semester hours and earned at least a 3.25 grade point average.

Participation in the Honors Program provides students an opportunity to acquire additional knowledge and skills. Students and faculty work together as “colleagues in learning” – a cooperative spirit that reflects the fundamental purpose of the academic community. In addition, the student’s official transcript will reflect all honors credits. These unique designations on the transcripts not only promote transfer to four-year institutions, but also can lend an advantage with regard to competitive status in the workplace. An extra half credit (.5) is available for honors projects integrated into existing course sections. Students who complete four honors projects or more at CCRI will receive special recognition at the graduation ceremony.

For more information, call Lynne Andreozzi-Fontaine, Ph.D., at 401-825-2222 or Karen Kortz, Ph.D., at 401-333-7443.

STUDY ABROAD
CCRI offers a study abroad program through the College Consortium for International Studies. This program provides students the opportunity to study in one of more than 30 countries on six continents to enhance their educational experience through exposure to new cultures and educational systems. A study abroad experience can be a path to self-reliance, independent thinking and valuable job skills.

The consortium consists of more than 100 two- and four-year public and private colleges and universities (some of which are sponsors) that cooperate to offer students study abroad opportunities each year. A wide range of academic programs are offered. Except for language studies, most courses are taught in English. All programs are accredited and approved by the college and the consortium. Study abroad programs are available for a semester, full-year or summer.

For more information, call Deborah Notarianni-Girard, Ph.D., chair, Foreign Languages and Cultures Department; coordinator, Study Abroad program, at 401-825-2254 or visit www.ccri.edu/foreignlang.

Students may be eligible for financial aid. Please see Financial Aid staff.
INTER-INSTITUTIONAL AGREEMENT

Any full-time student enrolled in a degree program may enroll in a maximum of seven (7) credits of his or her full-time schedule during each of the fall and spring semesters at the University of Rhode Island and/or Rhode Island College at no additional expense. Students must be enrolled for at least five (5) credits at CCRI and the total number of credits taken at all institutions combined must be 12 credits but not to exceed 18 credits. Summer session registrants are not eligible for this program. Students interested in participating in this agreement should contact the Office of Enrollment Services. Following completion of the course(s) at the University of Rhode Island and/or Rhode Island College, students must have an official transcript sent back to CCRI’s Office of Enrollment Services as noted on the signed agreement.

CCRI FINANCIAL AID CONSORTIUM AGREEMENT

The CCRI Financial Aid Consortium Agreement may be used by students receiving financial aid who are enrolled in a degree-granting program at CCRI and want to enroll at another institution at the same time. This also may apply for summer enrollment and/or Study Abroad.

CCRI’s Financial Aid office will only pay for courses that are required for the student’s current program of study.

Financial aid can be received at only one institution per semester/term. To have a student’s financial aid applied for classes taken at another school, each semester the student must complete a consortium agreement and proof of enrollment at the “host” institution. The consortium form must be returned to the CCRI Financial Aid office.

Tuition payment arrangements must be made with the “host” school. Financial aid funds paid by CCRI for consortium classes may not be available until four weeks after the start of the Community College of Rhode Island’s semester.

At the end of the semester/term, the student must request an academic transcript for classes enrolled at the “host” school be sent to CCRI. These transcripts must be received before additional financial aid can be applied or disbursed at CCRI.

CCRI Financial Aid Standards of Academic Progress apply for classes enrolled at “host” schools through a consortium agreement.

Deadline: The consortium agreement must be completed and approved within 30 days from the first day of classes for the current term at CCRI.

ACCUPLACER PLACEMENT TESTS

English And Math Placement Assessments

CCRI requires that all students accepted into a degree or certificate program complete the mandatory ACCUPLACER writing, reading and math placement tests before registering for classes. Nondegree students who wish to enroll in a course requiring a prerequisite also must complete the ACCUPLACER test. This assessment does not affect admission, but the results help to place students in appropriate courses. Students who have taken ACCUPLACER at another college within the last year, must have an official copy of the scores sent to the Department of Advising and Counseling at any campus.

Testing takes approximately 2.5 hours and can be completed in the Department of Advising and Counseling.

PLAGIARISM

The term “plagiarism” includes, but is not limited to, the use, by paraphrase or direct quotation, of the published or unpublished work of another person without full and clear acknowledgment. It also includes the unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials.

Any student found to have committed plagiarism misconduct is subject to the disciplinary sanctions outlined in the Student Handbook available in the Office of the Associate Vice President for Student Services or on the CCRI website at www.ccri.edu/advising/new_students/student_handbook/handbook.html#policies.

PROGRAM CHANGES/CHANGE OF MAJOR

Students may change from one CCRI program or curriculum to another through the “Change My Major (Degree Seeking Student)” link found on the For Students tab in their MyCCRI account. In some cases, this requires approval from the academic department. (See the performance-based application process for Health Sciences programs.)

RETURNING TO CCRI

Students who stopped attending for at least one semester are required to register for classes through their MyCCRI account and are held to the degree requirements published in the catalog for the year they return. Information concerning this process is located on the Admissions section of the college’s website at http://www.ccri.edu/oes/admissions/returning-student.html.

For more information, visit www.ccri.edu/oes.
Student Services

ARMY ROTC
Under an arrangement with the U.S. Department of Defense and Department of the Army, Community College of Rhode Island students may attend Military Science classes on the Providence College campus while attending CCRI and thereby complete their first two years of the four-year ROTC program.

The courses included are ROTC 1010 - Freshman Military Science, ROTC 2050 - Sophomore Military Science and ROTC 2070 - Sophomore Military Science and Lab.

Students who successfully complete the four-year ROTC program and graduate from college with a bachelor’s degree will be commissioned second lieutenants in the U.S. Army Reserve.

TRANSCRIPTS
Transcripts are issued from CCRI’s Office of Enrollment Services and are issued only after all financial obligations to the college have been paid. One week is required for transcripts to be processed during grading, graduation and registration periods.

ADVISING AND COUNSELING
CCRI’s Department of Advising and Counseling offers a full range of academic advising, career, educational and personal counseling services. Academic advising is available for students with program and course selection concerns. Career counseling, consisting of interest, values and personality assessments, is provided to students requesting help in establishing educational and career goals. Counselors also assist students with transfer planning to ensure a smooth transition and maximum transfer of credits to four-year institutions.

Short-term counseling also is available for students who are experiencing personal difficulties as they relate to their academic success. All meetings are strictly confidential.

For information on walk-in hours or to make an appointment, call 401-333-7160 in Lincoln, 401-825-2301 in Warwick, 401-455-6063 in Providence and 401-851-1625 in Newport.

ATHLETICS AND PHYSICAL EDUCATION AT CCRI

Intercollegiate Athletics
CCRI is home to one of Rhode Island’s finest and most successful intercollegiate athletic programs. Since its inception in 1965, the program has long been considered a front-runner in New England community college and junior college athletic circles.

The CCRI basketball, baseball, tennis, volleyball, cross country, track, golf and soccer teams all have been nationally ranked. With more than 5,300 victories, 216 All-Americans, 132 Region XXI championships and 736 All-Region selections, CCRI leads the way among all New England community college athletic programs.

CCRI fields intercollegiate men’s teams in baseball, basketball, soccer and volleyball and intercollegiate women’s teams in volleyball, basketball, soccer and softball. The college has coed golf, tennis, indoor and outdoor track and cross country teams. The college has proven to be a stepping-stone for many student-athletes who have moved on to complete their academic and athletic careers at four-year colleges and universities throughout the nation.

Additionally, the college offers classes in physical education that provide every student with the opportunity to engage in some form of wellness and recreation. Many of the physical education credit classes are transferable to other two- and four-year institutions. (See the Course Descriptions section of this catalog for more information.)

CCRI athletic facilities are located at its Knight and Flanagan campuses. Each of these campuses has a field house with four basketball courts, indoor tennis courts and a fully-equipped weight room. In addition, the Flanagan Campus field house contains a six-lane swimming pool. The baseball field is located on the Knight Campus while the soccer field and cross country course are located on the Flanagan Campus. Visit www.ccri.edu/athl to view the hours for CCRI Athletic facilities.

BOOKSTORES
The college’s bookstores sell new and used textbooks and also offer the option to rent textbooks. In addition they sell school and art supplies and computer software. The bookstores also carry a full line of imprinted clothing and gift items. When classes are in session, the bookstores are open:

Knight and Flanagan campuses (fall and spring semesters)
Monday through Thursday from 8:15 a.m. to 7 p.m. and Friday from 8:15 a.m. to 3:30 p.m.

Liston Campus
Monday and Tuesday from 8:15 a.m. to 6 p.m., Wednesday through Friday from 8:15 a.m. to 3:30 p.m.

Newport County Campus
Monday through Friday from 8:15 a.m. to 3:30 p.m.

When classes are not in session, the bookstores are open Monday through Friday from 8:15 a.m. to 3:30 p.m. The bookstores extend their hours during the first week of classes. For more information please visit, www.ccri.edu/bookstore.
CAREER DEVELOPMENT
Career Planning services guide students toward making informed career decisions that lead to effective planning and preparation for the work world. During counseling sessions, students explore careers and clarify goals. Interests and abilities assessments are often included to generate career options that match a student’s personal attributes.

Access to resources for researching occupations, trends, salaries and area businesses is provided. Workshops are conducted throughout the school year on varied topics such as making a career choice, matching majors to occupations and devising a career plan. The office also provides students with opportunities for direct contact with employers available to speak to them about specific career fields. For additional information, call 401-825-2322.

JOBS AND INTERNSHIPS
Career Planning services help students to prepare for and acquire employment. Our employment database is accessible to all students and includes listings of both part- and full-time jobs, as well as experiential learning opportunities outside the classroom. Internships that match students’ career goals enable them to develop real world experience in their field of study prior to graduation. Career placement officers provide guidance to students who are seeking internship opportunities, job search assistance, résumé review, interview preparation and on-campus and off-campus employment. For more information and to schedule an appointment, call 401-825-2322.

DINING FACILITIES
The college contracts with an outside vendor to operate full-service cafeterias and vending services on each campus. Hot and cold meals are served daily when classes are in session.

HEALTH SERVICES
The Office of College Health Services is staffed by a registered nurse in collaboration with a medical doctor. Generally, the office is open Monday through Friday from 8 a.m. to 4 p.m. Any change of hours is posted at the office, which is located on the Knight Campus, Room 1240, in Warwick and on a voice message accessed at 401-825-2103.

For medical emergencies, students should contact the Campus Police on their respective campus – Lincoln, 401-333-7035; Warwick, 401-825-2109; Providence, 401-455-6064 and Newport, 401-851-1650.

Central office services include first aid treatment, emergency medical care, blood pressure checks, health education and counseling, treatment referrals and color blindness testing for students, faculty and staff. The nurse also works in conjunction with the Wellness Committee to organize the Wellness Fair and other wellness initiatives.

The primary function of Health Services is to ensure that all immunization requirements mandated by the state of Rhode Island are met and documented upon enrollment at CCRI and that those records are maintained.

As of Aug. 1, 2015, Rhode Island law requires any student entering college full time (12 credits or more), any student studying on a visa, or any full- or part-time student in a health-related field of study to have the following immunizations or blood proof of immunity to:

- One Tdap vaccine (tetanus, diphtheria, pertussis)
- Two MMR vaccines (measles, mumps, rubella)
- Three-shot series of hepatitis B vaccine
- Two doses of varicella (chickenpox) vaccine or a statement signed by your healthcare provider stating that you have a history of chickenpox disease
- Meningococcal vaccine (strongly recommended for students under the age of 22)

In the event students know they have received vaccines already, but cannot obtain their vaccination records from either previous schools or physicians, they can obtain titers (lab tests for immunity). Students who wish to obtain the titers can contact the CCR nurse at the Knight Campus in Warwick for a discounted lab slip.

ALL full- or part-time students in the Nursing, Dental, Allied or Rehabilitative Health programs have additional health requirements. Contact individual programs for information regarding those additional requirements.

The nurse in Health Services can assist you with information about obtaining the needed documentation if you are having difficulty doing so.

Students and faculty in the Health Sciences programs are required to obtain health insurance. Health insurance is not provided by the college or clinical agencies.

The nurse in Health Services can be reached at 401-825-2103 (phone), 401-825-1077 (fax), or via email at nurse@ccri.edu.

LIBRARY
Mission Statement: The Community College of Rhode Island Library offers a welcoming environment and a commitment to support the diverse cultural and intellectual interests of the college and local community. As a full partner in the educational experience, the CCR Library provides the materials, resources and services to support the college curriculum, enhance teaching and learning and encourage independent and lifelong learning. The library actively promotes information literacy, critical thinking skills, collaborative learning and intellectual development.

Each campus has a library with access to print and online books, journals and other resources. Our catalog and databases can be accessed on campus or off campus, using a current, library-activated CCRI ID. Each library is equipped with an electronic classroom with networked computers and printers.

Librarians are available to assist students individually with research questions. Librarians also work with faculty to provide specialized library instruction classes.

The CCR Library is a member of the HELIN (Higher Education Library Information Network) consortium. CCR students with a library-activated CCRI ID may borrow material from all CCRI campuses and HELIN member libraries: Johnson & Wales University, Providence College, Rhode Island College, Roger Williams University, Salve Regina University, Wheaton College, Rhode Island’s hospital libraries and the Rhode Island State Law Library.
LRCT 1010 – Introduction to College Research (1 Credit)
This course introduces students to online strategies for locating and evaluating articles, books and Web resources. Students learn to cite their sources according to standard scholarly formats. Lecture: 1 hour, Lab: 1 hour

LRCT 1015 – College Research (3 Credits)
College Research expands students’ knowledge of various types and formats of information resources. Students learn information literacy skills, including advanced search techniques and evaluation of resources. Students also gain a greater understanding of issues associated with the ethical use of information. Students demonstrate the application of learned skills in research for class assignments, as well as for personal and professional research needs. Lecture: 3 hours

STUDENT SUCCESS CENTERS
The Student Success Centers provide academic assistance through tutoring services, coordinate information and referrals to college resources, seek ways to improve student satisfaction and retention, facilitate New Student Orientation (NSO) sessions and help students achieve their goals. Student Success Center staff members help students understand their individual learning needs, develop better study habits and behaviors, and create plans to achieve their goals. There are five main program areas within the Student Success Centers.

Peer Tutoring
This program is for CCRI students to connect with a peer tutor who has been recommended by a faculty member to tutor for a specific subject. There is no charge to receive tutoring. Tutoring supplements students’ learning in the classroom. It is not a substitute for class attendance or assigned work. Students should approach tutoring as an opportunity to ask questions, have work reviewed and work with peers to attain mastery of course content. Students may request a tutor by visiting www.ccri.edu/success and clicking on the “Request a Tutor” link.

Study Strategy Workshops
An essential part of success at any college is the amount of time and effort a student puts into preparing for their weekly lectures and exams. The SSC offers several study strategy workshops, Basic Study Skills, Testing Strategies, How to Study for Anatomy, and How to Survive NURS 1010. Faculty may request the SSC to customize and conduct the study strategy workshops as a guest lecturer. Students may request a workshop by visiting www.ccri.edu/success and clicking on the “Request a Workshop” link.

New Student Orientation
New Student Orientation (NSO) is a campus-based experience designed to make sure that all new students are prepared for their college experience. The Orientation offers students an opportunity to get an early start on learning about key issues that challenge many new students, as well as the programs and services available to help students succeed. NSO specifically addresses faculty expectations of students, financial obligations, classroom technology and opportunities for students to get involved in campus life outside of the classroom.

College Success Course (LRCT 1020)
This three-credit course is designed to assist students in the transition to college. This course will focus on practical tips and strategies that will help students succeed. Emphasis will be on attitude, study habits, time and stress management. This course includes readings, discussions of readings, speaking, writing, and listening assignments. It also reviews the use of the Student Success Centers, library resources, and classroom technology.

Test Prep Workshops
The ACCUPLACER, HESI and Dosage Review are workshops that are short and quick-paced programs to refresh Math, English and Reading concepts. Student view and register for a Prep workshop by visiting www.ccri.edu/success and clicking on the “Test Prep” link.

OPPORTUNITY AND OUTREACH
The Community College of Rhode Island’s Office of Opportunity and Outreach offers several programs that help Rhode Islanders successfully enter and complete college. These programs include:

ACCESS/Trio Student Support Services
ACCESS is a Trio Student Support Services program, funded by the U.S. Department of Education. ACCESS serves 440 students each year across CCRI’s four campuses. ACCESS offers individualized support to students from the time they are accepted into the program through graduation from CCRI. Services include academic, career, transfer advising and financial aid advising and financial literacy. Professional tutoring also is available in several subject areas. Counselors offer workshops designed to address academic skill building and college adjustment. Eligible students must be enrolled in an associate degree program. Additionally, they must be first generation in college (neither parent completed a baccalaureate degree), low-income and/or have a documented disability. Selection for participation in ACCESS is competitive and decisions are made on the strength of an interview and on a first-come, first-served basis.

For more information, contact 401-825-2305 or visit www.ccri.edu/access.
Connect to College (C2C)
The (C2C) program provides CCRI students with individualized, comprehensive services to enable them to successfully navigate the college environment. In addition, the program partners with several area college access programs including the College Crusade, Educational Talent Search, YouthBuild and the R.I. Transitions to College and Careers Initiative to ensure that students planning to enter CCRI are well prepared for success. To be eligible for the (C2C) program, students must be planning to attend CCRI and meet the following criteria: have a high school diploma or GED® credential; be a U.S. citizen or legal resident; be committed to completing a degree or certificate program; be a low-income student, a first generation college student or an adult learner; and have the ability to pay for enrollment as either a part-time or full-time student through degree completion. Connect to College is a program funded by the federal College Access Challenge Grant program through the Rhode Island Office of the Postsecondary Commissioner.

For more information, call 401-455-6156 or visit www.ccri.edu/c2c.

Disability Services for Students
The Disability Services for Students Office (DSS) provides support services and coordinates reasonable academic accommodations for students with documented disabilities under the ADA and Section 504 of the Rehabilitation Act. Academic accommodations include, but are not limited to, the use of assistive technology, alternative testing, course accommodations, sign language interpreters, reader/audio taping services, scribes and peer note-takers. Students are responsible for identifying themselves to the DSS office and submitting appropriate documentation in advance of the requested accommodation. In addition, the DSS office serves as a resource to faculty and staff, works to dispel negative and limiting stereotypes and promotes a campus environment that is sensitive, accepting and responsive to the needs and contributions of all CCRI students.

For more information, contact DSS at 401-825-2164 in Warwick, 401-333-7329 in Lincoln, 401-455-6064 in Providence and 401-455-6067 in Newport, or visit www.ccri.edu/dss.

REACH (Realizing Educational and Career Hopes)
REACH assists Rhode Island Works participants throughout Rhode Island to acquire the educational, vocational and personal skills required to be self-sufficient and gainfully employed. The program provides academic and career guidance to help its participants develop educational and career plans. In addition, RI Works participants who are referred are assigned a REACH coordinator who provides case management, mentoring and direction to support services during their program of study at CCRI. REACH is funded by the Rhode Island Department of Human Services.

For more information, contact the REACH office nearest you: 401-825-2290 in Warwick, 401-333-7166 in Lincoln, 401-455-6067 in Providence or 401-851-1650 in Newport. To find out more about REACH, visit www.ccri.edu/reach.

Rhode Island Educational Opportunity Center
The R.I. Educational Opportunity Center (RIEOC) is a TRIO program funded by the U.S. Department of Education that provides comprehensive, individualized support to Rhode Island adults who want to continue their education. RIEOC services include financial aid application assistance, admissions application assistance and fee waivers, career counseling, GED® and ESL information, default loan counseling, transfer information and postsecondary placement. RIEOC serves more than 3,000 individuals each year and has offices on all four campuses and maintains a presence in community-based organizations statewide.

For more information, contact 401-455-6028 or visit www.ccri.edu/eoc.

SECURITY
Professionally trained security personnel are on staff at each campus location, day and evening. Also, in accordance with the Campus Crime Awareness Act, campus crime statistical information is available on each campus in the Campus Police office and on the CCRI website at www.ccri.edu/campuspolice/clery/report.

STUDENT SPACES
Student lounges and study areas are located throughout the college’s buildings.

VETSUCCESS ON CAMPUS
The Department of Veterans Affairs coordinates a program designed to assist student veterans on campus. VetSuccess on Campus is offered at CCRI through the Veterans Benefits Administration and places an experienced vocational counselor on campus to provide VA benefits, outreach, support and assistance. The VetSuccess on Campus counselor serves as a “one-stop liaison” for student veterans on campus to help them understand their VA education benefits and access resources on campus and at the VA. Rhode Island was one of the original seven states to have an on-campus counselor from the VA and the program has now expanded across the country.

Micaela Black Estrella is the VetSuccess on Campus representative for Rhode Island and has offices on the Liston and Knight campuses. Veterans can contact her at 401-648-1597 or via email at micaela.black@va.gov.
Student Clubs and Organizations

Flanagan Campus, Lincoln
Bible Study Club
Clinical Laboratory Technology Club
Collegiate DECA
Dental Hygiene Club
Human Services Club
International Club
Nonviolence Club
Phi Theta Kappa (National Honor Society)
Players Club (Theater)
Psi Beta (Psychology Honor Society)
Psychology Club
Radiography Club
Sonography Club
Student Government
Student Nurses’ Organization (SNO)
Student Veterans Organization
Triangle Alliance

Knight Campus, Warwick
Access Club
Amateur Radio Club
Anime Club
Astronomy Club
Bible Study Club
Black American Student Association (BASA)
Chamber Ensemble Club
Chorus
Collegiate DECA
Emergency Management and Homeland Security Club
Engineering Student Association (ESA)
French Club
Gardening and Beekeeping Club
German Club
History Club
Human Services Club
ISPE (International Society of Pharmaceutical Engineers)
Italian Club
Music Club
New Media Group
Opera Club
Outdoor Adventure Club
Phi Theta Kappa (National Honor Society)
Players (Theater)
Psi Beta (Psychology Honor Society)
Psychology Club
Role Players’ Guild
SkillsUSA
Student Government
Student Nurses’ Organization
The Unfiltered Lens
Triangle Alliance

Liston Campus, Providence
Collegiate DECA
Phi Theta Kappa (Honor Society)
Spanish Club
Student Government
Student Veterans Organization

Newport County Campus
Occupational Therapy Assistant Club
Student Physical Therapist Assistant Club
Student Veterans Organization
Therapeutic Massage Club

Note: Partial student club list as of March 2016. For the most up-to-date listing and more information about student life, visit www.ccri.edu/osl/clubs.
Center for Workforce and Community Education (CWCE)

The college offers programs to address the educational and training needs of individuals of all ages as well as the needs of qualified employees in business and industry through its Center for Workforce and Community Education (CWCE). Serving more than 25,000 individuals annually, CWCE enriches lives through collaborative planning, workforce development programs, customized training and noncredit continuing education. CWCE also offers several grant-funded programs that enable qualified participants to receive skill training, remedial education and job search skills.

Through its community education and personal enrichment courses, CWCE addresses a wide variety of interests of individuals of all ages. Programs offered include Kids’ College, computer skills training, motorcycle safety training, pet-assisted therapy and SAT preparation.

CWCE’s Department of Adult Education and Literacy provides hundreds of adult learners opportunities to acquire foundational skills and knowledge to enrich themselves, their families, their workplace and their community. Partnering with other adult education providers, CWCE creates a seamless system of services for adult learners and offers best practice models for students such as its Career Pathways for the 21st Century program. The department provides GED® preparation and testing and English as a second language courses. It also incorporates the Transitions to College initiative, which provides a bridge for adult learners to enter postsecondary education.

CWCE provides many career training programs on each campus as well as online. Many programs are developed in response to the needs of the Rhode Island community and educate, train and certify individuals for successful careers in an increasingly complex economy. Each year, thousands of students participate in pre-employment training programs such as Certified Nursing Assistant, Teacher Assistant, Pharmacy Technician, Office Skills and Veterinary Assistant as well as continuing education programs for dental assistants, massage therapists and other health care professionals. The division also offers apprenticeship training programs in the electrical and plumbing fields as well as several other certification courses in the culinary field.

Providing high-quality customized training programs to organizations, CWCE’s Workforce Training department is a comprehensive resource addressing the workforce development needs of businesses in Rhode Island. Training programs can be offered at any college campus or facility or on site at an employer’s location. A combination of courses, both credit-bearing and noncredit, may be included in specialized plans that are developed for an organization’s individual needs.

CWCE’s Institute for Leadership Development provides customized, affordable, high-quality organizational skills training at all levels, from frontline employees to upper-level management, in modular programs focusing on specific aspects of performance improvement, leadership skills, teamwork, supervisory skills, workplace basics and interpersonal communication. These training systems are designed to provide the maximum opportunity for customization to best meet an organization’s specific needs.

For more information about customized training programs at your workplace or our open enrollment programs, please call 401-825-2033 or visit the CWCE website at www.ccri.edu/cwce.
Institutional Advancement

Office of Institutional Advancement

MISSION
The Office of Institutional Advancement (OIA) leads the philanthropic efforts of the Community College of Rhode Island (CCRI). Working collaboratively with the CCRI Foundation and the CCRI Alumni Association, OIA responsibly promotes philanthropy to maximize the resources raised in support of CCRI’s mission and institutional priorities through a donor-centered, comprehensive, sustainable plan. Our work reflects the high standards and ethics adopted by the Council for the Advancement and Support of Education (CASE), Association of Fundraising Professionals (AFP), and Uniform Prudent Management of Institutional Funds Act (UPMIFA), and is accomplished by creating relationships with our internal and external constituencies, fostering a spirit of teamwork, mutual support and integrity.

CCRI FOUNDATION
The Community College of Rhode Island Foundation was established in January 1979 as an independent, nonprofit corporation for the purpose of encouraging and providing support from private sources for CCRI. Funds are used for the college and for scholarships, but also are used to support college-wide projects that include professional development, capital improvements, the purchase of educational equipment, campus beautification, athletics, library resources and special programming not covered by state funding.

For more information, visit www.ccri.edu/foundation.

ALUMNI ASSOCIATION
The CCRI Alumni Association works with the CCRI Foundation to raise funds for the college, sponsors social events for graduates and friends, and presents annual scholarships to help students buy textbooks and defray the costs to complete their education. Alumni Association membership is open to all graduates of the college. Since 1964, the community college has graduated more than 66,000 students.

For more information, contact the director of Alumni Affairs at 401-333-7150 or visit www.ccri.edu/alumni.

GRANTS
Our goal is to support faculty and staff in seeking, obtaining and administering grant-funded programs that uphold the mission of the college.

The Office of Institutional Advancement will assist faculty and staff through the initial process of notifying college administration of interest in obtaining external funding, developing an idea, seeking external funding resources and assisting the program director once the project is funded.

For more information, visit www.ccri.edu/oia.
## Degree and Certificate Programs

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<th>CODE</th>
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KN = Knight Campus, Warwick
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DL = Distance Learning
A.A. = Associate in Art
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The information about a program’s campus locations, as well as day, evening and weekend offerings, also may be found at www.ccri.edu or the Programs of Study pages.

**POST ASSOCIATE CERTIFICATE**
This is offered to any student who successfully completes 30 credits beyond the associate degree. Courses may be taken from any discipline but must be taken at CCRI after completion of an associate degree. A minimum of a 2.0 GPA is required for completion.
# Degree and Certificate Programs

## COMPUTER STUDIES and INFORMATION PROCESSING

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## ENGINEERING and TECHNOLOGY

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**Note:** Computer Science – RIC and URI tracks are not admitting new students at this time. Students already in those tracks should contact the department chairperson for options. Computer Science students planning transfer to either RIC or URI should please check the recommendations on page 76.

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^Some, but not all, major courses offered on this campus.
### Degree and Certificate Programs

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#### Degree and Certificate Programs

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### Electrical Track

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### GENERAL STUDIES

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### HEALTH SCIENCES

#### ALLIED HEALTH PROGRAMS

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##### Renal Dialysis Technology Certificate

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### DENTAL HEALTH PROGRAMS

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## Degree and Certificate Programs

### Emergency/Disaster Management

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### Nursing Programs

- **Nursing** (Previous curriculum for students enrolled prior to Fall 2016)
  - Nursing 130–133 NURS A.S. or Diploma KN PV FL NE + +
- **Nursing** (NEW curriculum for students enrolled in Fall 2016 and after)
  - Nursing 134–136 NURS A.S. or Diploma KN PV FL NE + +

### Health Care Interpreter Certificate

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### Rehabilitative Health Programs

- Occupational Therapy Assistant 138 OCTA A.A.S. NE +
- Opticianry 140 OPTI A.A.S. DL/NE +
- Physical Therapist Assistant 142 PHTA A.A.S. NE +
- Therapeutic Massage 148 TMSG A.A.S. NE +

### Hospitality

- Culinary Arts Assistant Certificate 164 CULN Certificate FL + +
- Hospitality Certificate 165 HOSP Certificate KN, FL + +
- Travel and Tourism Certificate 165 TRVL Certificate KN, FL + +

### Human Services

- Early Childhood Education and Child Development 167 CHLD A.A. PV KN FL +
- Developmental Disabilities Certificate 173 CDVD Certificate KN FL +
- Early Childhood Education Certificate 174 CHLC Certificate PV KN FL +
- Education/Special Education 169 ESPE A.A. KN FL +
- Gerontology Certificate 175 GERN Certificate KN PV FL NE + +

- Social Service Majors:
  - Gerontology 172 GERN A.A. KN FL +
  - Mental Health 172 MNTL A.A. PV KN FL +
  - Social Work 172 SOWK A.A. PV KN FL +
  - Substance Abuse 172 SUBS A.A. KN FL +
  - Social Services Certificate 174 CSOS Certificate PV KN FL +

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**KN** = Knight Campus, Warwick  
**FL** = Flanagan Campus, Lincoln  
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**NE** = Newport County Campus  
**DL** = Distance Learning  
**A.A.** = Associate in Art  
**A.S.** = Associate in Science  
**A.A.S.** = Associate in Applied Science  
**A.F.A.** = Associate in Fine Arts  
**A.A.S.-T.S.** = Associate in Applied Science in Technical Studies  
^Some, but not all, major courses offered on this campus.
### Degree and Certificate Programs

#### GAINFUL EMPLOYMENT INFORMATION

The Community College of Rhode Island is committed to creating an educated workforce by offering recent high school graduates and returning adults the opportunity to acquire the knowledge and skills necessary for intellectual, professional and personal growth through an array of academic, career and lifelong learning programs. We set high academic standards necessary for transfer and career success, champion diversity, respond to community needs and contribute to our state’s economic development and the region’s workforce.

Graduates of CCRI’s 30-plus certificate programs are trained within current industry standards and practices to be better prepared for gainful employment opportunities with local businesses.

As required by the federal government, the Community College of Rhode Island is hereby fulfilling the Gainful Employment Programs disclosure reporting requirement. Please note that at CCRI, many students enroll on a part-time basis in a continuous succession of fall and spring semesters (i.e., on average, students take two classes to earn six credits each semester). Thus, for example, a certificate that requires 10 courses could take five semesters or 30 months to complete on a part-time basis. Students who attend full time could feasibly complete some of the certificate programs in a shorter period of time.

In most instances, credits earned in many of CCRI’s certificate programs can be applied toward an associate degree.

Links to detailed gainful employment information for each of CCRI’s certificate programs can be found at [www.ccri.edu/acadaffairs/gainful-employment](http://www.ccri.edu/acadaffairs/gainful-employment).

---

<table>
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<th>PROGRAM</th>
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^Some, but not all, major courses offered on this campus.
The Administrative Office Technology programs are designed to emphasize a variety of computer tasks created by new technologies as well as traditional office responsibilities. With the shift of work responsibility away from middle management, the role of the office professional has become critical. All organizations need timely and effective office and administrative support to operate efficiently.

The International Association of Administrative Professionals defines administrative professionals as “individuals who are responsible for administrative tasks and the coordination of information in support of an office-related environment and who are dedicated to furthering their personal and professional growth in their chosen profession.”

PROGRAMS

Associate Degree
Program Concentrations
Administrative Assistant/Secretary
Legal Administrative Assistant/Secretary
Medical Administrative Assistant/Secretary

Certificate Program
Concentrations
Basic Office Skills
Customer Service Specialist
Legal Office Assistant
Medical Insurance Billing Specialist
Medical Transcription
Office Administration
Administrative Assistant/Secretary Concentration (ADAD)

Associate in Science Degree in Administrative Office Technology (AS_ADOT)

This program is available full time or part time, days or evenings.

The Administrative Assistant/Secretary concentration prepares students for careers such as executive assistant, office manager and senior word processor. Students who successfully complete the program have a background in Microsoft Office applications, administrative office management and advanced transcription. Career opportunities for the graduates of this program are expected to remain constant.

The program trains students to perform a variety of tasks encountered by the administrative assistant involving decision-making, accepting responsibility and managing an office. In their last semester, students are given the opportunity to work in the office of a local business.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:

- **First semester**: OFTD 1105, 1120, 1130, 1250, 1370; ENGL 1400
- **Second semester**: MATH 1600; OFTD 1140, 1170, 1180, 1220, 1280
- **Third semester**: ADAS 2510, 2520, 2530; MATH 1620; OFTD 1190; COMM 1100; PSYC 1030
- **Fourth semester**: ADAS 2570, 2610, 2580; ENGL 1010; Social Science Elective

General Education Requirements

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<th>COURSE TITLE</th>
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Total General Education Credits 21

Major Requirements

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Total Major Requirements Credits 41

Total Program Credits 62
Legal Administrative Assistant/Secretary Concentration (LGAD)

Associate in Science Degree in Administrative Office Technology (AS_ADOT)

Flanagan Campus, Lincoln only
This program is available full time or part time, days or evenings.

The Legal Administrative Assistant/Secretary concentration prepares students for careers such as legal secretary, legal transcriptionist and legal office assistants who work in a variety of office settings including law offices, legal departments and insurance companies. Career opportunities for the graduates of this program are expected to remain constant.

Students who successfully complete this program demonstrate the ability to understand basic legal terminology, the elements of legal style and the use of standard clauses within legal documents and forms. Students develop high-level skills in managing a law office and in the production of accurate legal documents. In their last semester, students are given the opportunity to work in a local legal office.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

**RECOMMENDED COURSE SEQUENCE:**

**First semester:** OFTD 1105, 1120, 1130, 1250, 1370; ENGL 1400

**Second semester:** MATH 1600; OFTD 1140, 1170, 1180, 1220, 1280;

**Third semester:** ADAS 2510, 2520; LAWS 2050 OR 2070; MATH 1620; OFTD 1190; COMM 1100; LEGL 2310

**Fourth semester:** ADAS 2610 AND 2580; ENGL 1010; PSYC 1030; Social Science Elective

### General Education Requirements

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Total General Education Credits 21

### Major Requirements

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Total Major Requirements Credits 43

Total Program Credits 64
Medical Administrative Assistant/Secretary (MDAD)
Associate in Science Degree in Administrative Office Technology (AS_ADOT)
Knight Campus, Warwick only

The Medical Administrative Assistant/Secretary concentration prepares students to perform administrative and clinical duties. Some responsibilities encountered by graduates include preparing medical correspondence, assisting physicians with medical reports and histories and arranging for patient hospitalization, including insurance and billing practices. This is currently considered one of the fastest-growing occupations.

This program provides the highly technical training necessary for a competent medical assistant/secretary. In their last semester, students are given the opportunity to work in a local medical office.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

**RECOMMENDED COURSE SEQUENCE:**
First semester: OFTD 1105, 1120, 1130, 1250, 1370; ENGL 1400
Second semester: ENGL 1010; MATH 1600; OFTD 1140, 1180, 1220, 1280
Third semester: BIOL 1070, 1080; MEDL 2350, 2360, 2380; OFTD 1190; PSYC 1030
Fourth semester: ADAS 2570; BIOL 1110 MEDL 2410, 2460, 2480, 2910; Social Science Elective

**General Education Requirements**

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Total General Education Credits: 22

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Total Major Requirements Credits: 43

**Total Program Credits:** 65
Basic Office Skills Concentration (BOSC)
Certificate in Administrative Office Technology (CERT_ADOT)

This program is available full time or part time, days and/or evenings.

The Basic Office Skills concentration provides students with immediate job training for entry-level office positions. Such positions include office assistant, word processing typist, receptionist and data entry clerk. Students who successfully complete the program have a background in word processing, accounting and file management.

Since this program consists of the first-semester course requirements for Administrative Office Technology degree programs, all credits earned in this certificate are fully transferable to these degree programs or other department certificates. In addition, credits earned in this certificate program may be applied to the elective credit portion of the General Studies and Liberal Arts degree programs.

Note: General Studies and Liberal Arts students can use the elective credits portion of their degree programs to earn a certificate in Basic Office Skills (20 credits) and/or Office Administration (36 credits) as well as other department certificates. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

**Recommended Course Sequence:**
First semester: OFTD 1105, 1160, 1120, 1250
Second semester: OFTD 1220, 1370
Third semester: OFTD 1130, 1140; 1180

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**Total Certificate Credits**: 20

GAINFUL EMPLOYMENT INFORMATION
Most students in this certificate program attend part time and take two courses each semester. Therefore, the average time to complete the in Administrative Office Technology with a Basic Office Skills concentration certificate as a part-time student could be three semesters (or 18 months). Students who choose to attend full time and are proficient in keyboarding could complete this certificate program in as few as one semester (or six months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit [www.ccri.edu/acadaffairs/gainful-employment/bst/oftd/basic-office-skills-cert.html](http://www.ccri.edu/acadaffairs/gainful-employment/bst/oftd/basic-office-skills-cert.html).
Customer Service Specialist Concentration (CSPC)
Certificate in Administrative Office Technology (CERT_ADOT)
Flanagan Campus, Lincoln and Knight Campus, Warwick

The Customer Service Specialist concentration provides students with the training necessary for employment in entry-level customer service positions. Front-line customer service representatives interact with their customers every day. This program gives students the skills and techniques required to provide outstanding customer service and support. Students who successfully complete this program may sit for the Help Desk Institute’s customer service exam.

Credits earned in this certificate program can be applied toward an Administrative Office Technology or General Studies degree.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

<table>
<thead>
<tr>
<th>RECOMMENDED COURSE SEQUENCE:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First semester:</strong> OFTD 1130, 1160; COMI 1451, 1640</td>
<td></td>
</tr>
<tr>
<td><strong>Second semester:</strong> OFTD 1140; ENGL 1400</td>
<td></td>
</tr>
<tr>
<td><strong>Third semester:</strong> OFTD 1105, 1380</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Certificate Requirements</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>COURSE NO.</strong></td>
<td><strong>COURSE TITLE</strong></td>
</tr>
<tr>
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</tr>
<tr>
<td>OFTD 1130</td>
<td>Editing Skills for Office Communications I</td>
</tr>
<tr>
<td>OFTD 1160</td>
<td>Basic Keyboarding Mastery</td>
</tr>
<tr>
<td>OFTD 1140</td>
<td>Office Technology and Procedures I</td>
</tr>
<tr>
<td>OFTD 1105</td>
<td>Essential Note-taking Skills</td>
</tr>
<tr>
<td>OFTD 1380</td>
<td>Customer Service Essentials</td>
</tr>
<tr>
<td>ENGL 1400</td>
<td>Business Writing for Office Professionals</td>
</tr>
<tr>
<td>COMI 1451</td>
<td>Introduction to Windows</td>
</tr>
<tr>
<td>COMI 1640</td>
<td>Introduction to Word Processing</td>
</tr>
</tbody>
</table>

| **Total Certificate Credits** | **18** |

Gainful Employment Information
Most students in this certificate program attend part time and take six credits each semester. Therefore, the average time to complete the Customer Service Specialist certificate as a part-time student could be three semesters (or 18 months). Students who choose to attend full time could complete this certificate program in as few as one semester (or six months). For more information about the number of CCRJ graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment.
Legal Office Assistant Concentration (LOAC)
Certificate in Administrative Office Technology (CERT_ADOT)
Flanagan Campus, Lincoln only

The Legal Office Assistant certificate program is designed specifically for students interested in acquiring the skills needed for entry-level legal administrative support positions in the least amount of time. Rewarding career opportunities for graduates of this program are expected to remain constant.

Students who successfully complete this program have a background in legal terminology, Microsoft Office applications and language skills. In their last semester, students are given the opportunity to work in a local legal office. All credits earned in this certificate program may be applied to the Legal Administrative Assistant degree program.

This program is available full time or part time, days or evenings. Some courses are offered days only. To complete this program within the two semesters, applicants must be able to type at the rate of 25 words per minute before enrolling or they must enroll in the Microcomputer Keyboarding course, which will extend completion time.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

<table>
<thead>
<tr>
<th>RECOMMENDED COURSE SEQUENCE:</th>
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<tbody>
<tr>
<td>First semester: OFTD 1105, 1120, 1130</td>
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<tr>
<td>Second semester: OFTD 1170, 1220</td>
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<tr>
<td>Third semester: OFTD 1140, 1280</td>
</tr>
<tr>
<td>Fourth semester: ADAS 2510, 2610</td>
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<tr>
<td>Fifth semester: ENGL 1400; LEGL 2310; OFTD 1180</td>
</tr>
<tr>
<td>Sixth semester: LAWS 2050; ADAS 2580</td>
</tr>
</tbody>
</table>

GAINFUL EMPLOYMENT INFORMATION
Most students in this certificate program attend part time and take two courses each semester. Therefore, the average time to complete the Legal Office Assistant certificate as a part-time student could be six semesters (or 36 months). Students who choose to attend full time and are proficient in keyboarding could complete this certificate program in as few as three semesters (or 18 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit [www.ccri.edu/acadaffairs/gainful-employment/bst/oftd/legal-assist-cert.html](http://www.ccri.edu/acadaffairs/gainful-employment/bst/oftd/legal-assist-cert.html).
Medical Insurance Billing Specialist Concentration (MIBC)
Certificate in Administrative Office Technology (CERT_ADOT)
Knight Campus, Warwick only

This concentration provides students with the knowledge, skills and abilities to process medical insurance forms and to code medical records using the CPT and ICD-CM coding systems. Upon completion of the program, students are eligible to take the national Certified Professional Coders examination. Employment of medical records and health information technicians is expected to grow much faster than average for all occupations.

Certificate program credits may be applied toward an Administrative Office Technology or General Studies degree.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:

First semester: BIOL 1070; OFTD 1120
Second semester: MEDL 2350, 2390, 2400
Third semester: MEDL 2410, 2420
Fourth semester: ENGL 1400
Fifth semester: MATH 1600; MEDL 2430

GAINFUL EMPLOYMENT INFORMATION
Most students in this certificate program attend part time and take two courses each semester. Therefore, the average time to complete the Medical Insurance Billing Specialist certificate as a part-time student could be five semesters (or 30 months). Students who choose to attend full time and are proficient in keyboarding could complete this certificate program in as few as two semesters (12 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/bst/oftd/med-ins-bill-cert.html.

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>BIOL 1070</td>
<td>Human Anatomy and Physiology</td>
<td>3</td>
</tr>
<tr>
<td>MEDL 2350</td>
<td>Medical Terminology</td>
<td>2</td>
</tr>
<tr>
<td>MEDL 2390</td>
<td>CPT Medical Insurance Coding</td>
<td>3</td>
</tr>
<tr>
<td>MEDL 2400</td>
<td>ICD-CM Medical Insurance Coding</td>
<td>2</td>
</tr>
<tr>
<td>OFTD 1120</td>
<td>Microcomputer Keyboarding OR Challenge Exam</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1400</td>
<td>Business Writing for Office Professionals</td>
<td>3</td>
</tr>
<tr>
<td>MEDL 2410</td>
<td>Medical Insurance Billing</td>
<td>3</td>
</tr>
<tr>
<td>MEDL 2420</td>
<td>Practical Applications in Professional Medical Coding</td>
<td>4</td>
</tr>
<tr>
<td>MEDL 2430</td>
<td>Electronic Medical Records and Practice Management</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1600</td>
<td>Business Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Certificate Credits 29
Medical Transcription Concentration (MEDT)
Certificate in Administrative Office Technology (CERT_ADOT)

Knight Campus, Warwick only
Program offered during days only.

The Medical Transcription concentration prepares students for employment in the health field. Students are trained in the use of medical terminology, the transcription of various types of medical reports and the handling of medical office duties. Cooperative work experience in a medical office is a requirement of this program. Job opportunities for graduates are projected to remain constant.

Certificate program credits may be applied toward an Administrative Office Technology or General Studies degree.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:
First semester: BIOL 1070; OFTD 1120
Second semester: MEDL 2350; OFTD 1220
Third semester: OFTD 1130; MEDL 2360
Fourth semester: MEDL 2360; OFTD 1180, 1280
Fifth semester: MEDL 2380
Sixth semester: BIOL 1110; PSYC 1030; MEDL 2910

Gainful Employment Information
Most students in this certificate program attend part time and take two courses each semester. Therefore, the average time to complete the Medical Transcription certificate as a part-time student could be six semesters (or 36 months). Students who choose to attend full time and are proficient in keyboarding could complete this certificate program in as few as three semesters (or 18 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/bst/oftd/med-transcript-cert.html.
Office Administration Concentration (OFAC)

Certificate in Administrative Office Technology (CERT_ADOT)

Knight Campus, Warwick and Flanagan Campus, Lincoln

This program has been designed to train administrative office professionals in any of the areas of concentration listed under Administrative Office Technology. The courses have been tailored to help students fill the various needs of the business community.

Certificate program credits may be applied toward an Administrative Office Technology or General Studies degree.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:
First semester: OFTD 1105, 1120, 1250
Second semester: OFTD 1220, 1370
Third semester: OFTD 1130, 1140, 1180
Fourth semester: OFTD 1170, 1280
Fifth semester: ENGL 1400; MATH 1600

GAINFUL EMPLOYMENT INFORMATION

Most students in this certificate program attend part time and take two courses each semester. Therefore, the average time to complete the Office Administration certificate as a part-time student could be five semesters (or 30 months). Students who choose to attend full time and are proficient in keyboarding could complete this certificate program in as few as two semesters (12 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/bst/oftd/office-admin-cert.html.
CCRI’s Biotechnology program includes courses in biotechnology, microbiology, chemical technology and instrumentation. Coursework is designed to mirror many of the concepts and techniques used in biotechnology and related industries. In addition to coursework, students will have access to industry professionals through classroom speakers, manufacturing facility tours, industry seminars and professional networking.
Certificate in Biotechnology (CERT_BIOT)

The Biotechnology program offers hands-on, competency-based instruction designed for entry-level students or retraining for individuals with previous workplace and/or educational experience. The 18-credit certificate program focuses on the techniques and skills leading companies look for in the area of biomanufacturing. Biotechnology certificate credits can be used toward the completion of the Science track leading to an Associate in Science (A.S.) degree. This allows students the option of working in the biotechnology field while completing their degree. Alternatively, students can complete the Associate in Science degree and the Biotechnology certificate program concurrently.

For more information, see the “Science” track entry in the catalog or contact Program Coordinator Scott Warila at 401-825-2136 or srwarila@ccri.edu. Additional information is available through the Biology Department link on the CCRI website.

Note: Students are required to receive a grade of “C” or better in the courses required for the Biotechnology certificate or obtain special permission from the program coordinator. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:

First semester (Fall): BIOL 1000 AND/OR INST 1010*
Second semester (Spring): CHMT 1121 + AND/OR BIOL 1310
Summer or Fall (2) (semester 3): BIOL 1300 AND/OR 2480*

*also offered in spring, +offered some summers

Students wishing to apply should indicate the program, Biotechnology Certificate (BIOT), on the regular college Application for Enrollment. Please note that a high school transcript or GED® credential is required for admission to the program.

In addition, there are some course prerequisites. Please refer to individual course descriptions in the back of the catalog for additional information.

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>_BIOL 1300</td>
<td>Orientation to Biotechnology</td>
<td>1</td>
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<tr>
<td>_BIOL 1000</td>
<td>Cell Biology for Technology</td>
<td>4</td>
</tr>
<tr>
<td>_CHMT 1121</td>
<td>Chemistry for Biotechnology</td>
<td>3</td>
</tr>
<tr>
<td>_BIOL 1310</td>
<td>Introductory Biotechnology Laboratory Skills</td>
<td>3</td>
</tr>
<tr>
<td>_BIOL 2480</td>
<td>General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>_INST 1010</td>
<td>Introduction to Instrumentation</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Certificate Credits 18

GAINFUL EMPLOYMENT INFORMATION

Most students in this certificate program attend part time and take two courses each semester. Therefore, the average time to complete the Biotechnology certificate as a part-time student could be three semesters (or 18 months). Students who choose to attend full time could complete this certificate program in as few as two semesters (12 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit [www.ccri.edu/acadaffairs/gainful-employment/bst/biol/biotech-cert.html](http://www.ccri.edu/acadaffairs/gainful-employment/bst/biol/biotech-cert.html).
Business Administration

PROGRAMS

Associate Degree
Program Concentrations
Accounting
Financial Services
General Business
Management
Marketing

Certificate
Program Concentrations
Accounting
Entrepreneurship
Financial Services
Management
Marketing

Associate degree programs in the Department of Business Administration are nationally accredited by the Accreditation Council for Business Schools and Programs.

The goal of all business programs is to provide students with the opportunity to develop their communication, interpersonal, leadership and teamwork skills. The core program provides students with a basic understanding of the business environment in support of the learning objectives of each specific major concentration.

Students who are interested in transferring to another college to earn a bachelor’s degree should select courses that will meet requirements at the college of their choice. Students planning to develop career skills to use directly after graduation may elect courses to prepare for jobs in accounting, management, marketing, financial services and general business administration.
ACCOUNTING

Accounting Concentration (ACCT)

Associate in Science Degree in Business (ASB_BUSN)

Associate degree programs in the Department of Business Administration are nationally accredited by the Accreditation Council for Business Schools and Programs.

The Accounting concentration assists students in developing analytical skills through a critical exploration of the fundamentals of accounting and the use of accounting for decision-making purposes. Students use the latest technology to perform various accounting functions. In addition, students work on developing communication, interpersonal, leadership and teamwork skills. This concentration prepares students for entry-level positions such as accounting clerk, staff accountant, accounting assistant, bookkeeper, assistant auditor and tax preparer in public, private and governmental agencies. Students also may choose to transfer to four-year institutions to earn bachelor’s degrees and should consult colleges for information on transferable courses.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:

First semester: ACCT 1010; BUSN 1010; ENGL 1010; General Education Elective; MATH+
Second semester: ACCT 1020; BUSN 1040; COMM 1100; General Education Elective; MATH+
Third semester: ACCT 1030, 2010; BUSN 2050; ECON 2030; ENGL 1410 OR 2100 OR Literature
Fourth semester: ACCT 1500, 2020; BUSN 2060; ECON 2040; LAWS 2050

TRANSFER OPTIONS

OPTION 1: Complete a CCRI Business Administration degree program and transfer to one of the four-year colleges with which CCRI has transfer agreements. Course credits transfer differently from college to college. Consult with Advising and Counseling for specifics. Under the articulation transfer policy, students completing a CCRI associate in science degree in business with at least a 2.4 GPA are guaranteed admission to Rhode Island College (RIC) or the University of Rhode Island (URI). The applicability of courses toward the baccalaureate degree is determined by the receiving institution. For more information, visit www.ritransfers.org and contact your CCRI adviser.

OPTION 2: Participate in the Joint Admissions Agreement (JAA) and take the courses in one of the approved JAA transition plans for transfer into specific business-related majors at RIC or URI. Students who successfully complete JAA requirements are guaranteed transfer of their courses and acceptance for the intended major at RIC or URI. For more information on the benefits of participating in JAA, visit www.ccri.edu/jaaja or www.ritransfers.org and contact your CCRI adviser.

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
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<tr>
<td>MATH+</td>
<td>1000 level</td>
<td>3</td>
</tr>
<tr>
<td>MATH+</td>
<td>1000 level</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2030</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2040</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Oral Communication I</td>
<td>3</td>
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</tbody>
</table>

Select one: ENGL 1410 Business Writing OR Technical Writing OR Literature course

General Education Electives

Select six credits from: Foreign Languages (ARAB, CHIN, FREN, GERM, ITAL, JAPN, PORT, RUSN, SPAN) and/or Humanities, Math/Science or Social Sciences. See page 22 for complete listing of courses that meet this requirement.

Total General Education Credits 27

Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>ACCT 1010</td>
<td>Financial Accounting</td>
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<tr>
<td>ACCT 1020</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>ACCT 1030</td>
<td>Computerized Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 1500</td>
<td>Personal Income Taxes</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2010</td>
<td>Intermediate Accounting I</td>
<td>4</td>
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<tr>
<td>ACCT 2020</td>
<td>Intermediate Accounting II</td>
<td>4</td>
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<tr>
<td>BUSN 1010</td>
<td>Introduction to Business</td>
<td>3</td>
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<tr>
<td>BUSN 1040</td>
<td>Personal Finance</td>
<td>3</td>
</tr>
<tr>
<td>BUSN 2050</td>
<td>Principles of Management</td>
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<tr>
<td>BUSN 2060</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2050</td>
<td>Law of Contracts</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Major Requirements Credits 37

Total Program Credits 64

+Math at the 1000 level or higher. MATH 1670 and 1680 are recommended for students who plan to transfer to a four-year institution. MATH 1600 and 1620 are recommended for students who do not plan to transfer.
Financial Services Concentration (FNBK)

Associate in Science Degree in Business (ASB_BUSN)

Associate degree programs in the Department of Business Administration are nationally accredited by the Accreditation Council for Business Schools and Programs.

Students enrolled in the Financial Services concentration develop analytical and critical-thinking skills essential for success in today’s financial environments. In addition, students develop their communication, interpersonal, leadership and teamwork skills. The Financial Services concentration prepares students for entry-level positions in the financial services industry including banking, insurance and investments. Employment opportunities include bank teller, loan officer, insurance sales and customer service representatives. Students also may choose to transfer to four-year institutions to earn bachelor’s degrees and should consult colleges for information on transferable courses.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:

First semester: ACCT 1010; BUSN 1010; ENGL 1010; General Education Elective; MATH+

Second semester: ACCT 1020; BUSN 1040; COMM 1100; MATH+; General Education Elective

Third semester: BUSN 1110, 2050; Computer Studies; ECON 2030; ENGL 1410 OR 2100 OR Literature

Fourth semester: BUSN 2060; 2110; 2120; ECON 2040; LAWS 2050

TRANSFER OPTIONS

OPTION 1: Complete a CCRI Business Administration degree program and transfer to one of the four-year colleges with which CCRI has transfer agreements. Course credits transfer differently from college to college. Consult with Advising and Counseling for specifics. Under the articulation transfer policy, students completing a CCRI associate in science degree in business with at least a 2.4 GPA are guaranteed admission to Rhode Island College (RIC) or University of Rhode Island (URI). The applicability of courses toward the baccalaureate degree is determined by the receiving institution. For more information, visit www.ritransfers.org and contact your CCRI adviser.

OPTION 2: Participate in the Joint Admissions Agreement (JAA) and take the courses in one of the approved JAA transition plans for transfer into specific business-related majors at RIC or URI. Students who successfully complete JAA requirements are guaranteed transfer of their courses and acceptance for the intended major at RIC or URI. For more information on the benefits of participating in JAA, visit www.ccri.edu/jaa or www.ritransfers.org and contact your CCRI adviser.

General Education Requirements

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<tr>
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<th>CREDITS</th>
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<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
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</tr>
<tr>
<td>MATH+ 1000</td>
<td>I000 level</td>
<td>3</td>
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<tr>
<td>ECON 2030</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2040</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Oral Communication I</td>
<td>3</td>
</tr>
<tr>
<td>Select one: ENGL 1410 or 2100 or ENGL (Lit)</td>
<td>Business Writing or Technical Writing or Literature course</td>
<td>3</td>
</tr>
<tr>
<td>General Education Electives</td>
<td>Select six credits from: Foreign Languages (ARAB, CHIN, FREN, GERM, ITAL, JAPN, PORT, RUSN, SPAN) and/or Humanities, Math/Science or Social Sciences. See page 22 for complete listing of courses that meet this requirement.</td>
<td>6</td>
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</table>

Total General Education Credits 27

Major Requirements

<table>
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<tr>
<th>COURSE NO.</th>
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<tr>
<td>ACCT 1010</td>
<td>Financial Accounting</td>
<td>4</td>
</tr>
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<td>ACCT 1020</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUSN 1010</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUSN 1040</td>
<td>Personal Finance</td>
<td>3</td>
</tr>
<tr>
<td>BUSN 1110</td>
<td>Sales</td>
<td>3</td>
</tr>
<tr>
<td>BUSN 2050</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>BUSN 2060</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUSN 2110</td>
<td>Money and Banking</td>
<td>3</td>
</tr>
<tr>
<td>BUSN 2120</td>
<td>Investments</td>
<td>3</td>
</tr>
<tr>
<td>Computer Studies</td>
<td>Take three credits from: ACCT 1030; BUSN 1220, 1300; COMI 1100, 1420, 1422, 1430, 1440, 1451, 1452, 1640, 1645; OFTD 1160</td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2050</td>
<td>Law of Contracts</td>
<td>3</td>
</tr>
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</table>

Total Major Requirements Credits 35

Total Program Credits 62

+Math at the 1000 level or higher. MATH 1670 and 1680 are recommended for students who plan to transfer to a four-year institution. MATH 1600 and 1620 are recommended for students who do not plan to transfer.
BUSINESS ADMINISTRATION

General Business Concentration (GBUS)
Associate in Science Degree in Business (ASB_BUSN)

Associate degree programs in the Department of Business Administration are nationally accredited by the Accreditation Council for Business Schools and Programs.

The General Business concentration provides students with an opportunity to develop communication, interpersonal, leadership and teamwork skills as well as a solid understanding of the contemporary business environment. Major requirements provide a strong foundation in business and the program allows for flexibility in the elective offerings. Students also may choose to transfer to four-year institutions to earn bachelor’s degrees and should consult colleges for information on transferable courses.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:

First semester: ACCT 1010; BUSN 1010; ENGL 1010; General Education Elective; MATH+
Second semester: ACCT 1020; Major Requirements Elective**; COMM 1100; General Education Elective; MATH+
Third semester: BUSN 2050; Major Requirements Elective**; Computer Studies; ECON 2030; ENGL 1410 OR 2100 OR ENGL (Lit)
Fourth semester: BUSN 2060; 2 Major Requirements Electives**; ECON 2040; LAWS 2050

TRANSFER OPTIONS

OPTION 1: Complete a CCRI Business Administration degree program and transfer to one of the four-year colleges with which CCRI has transfer agreements. Course credits transfer differently from college to college. Consult with Advising and Counseling for specifics. Under the articulation transfer policy, students completing a CCRI associate in science degree in business with at least a 2.4 GPA are guaranteed admission to Rhode Island College (RIC) or University of Rhode Island (URI). The applicability of courses toward the baccalaureate degree is determined by the receiving institution. For more information, visit www.ritransfers.org and contact your CCRI adviser.

OPTION 2: Participate in the Joint Admissions Agreement (JAA) and take the courses in one of the approved JAA transition plans for transfer into specific business-related majors at RIC or URI. Students who successfully complete JAA requirements are guaranteed transfer of their courses and acceptance for the intended major at RIC or URI. For more information on the benefits of participating in JAA, visit www.ccri.edu/jaa or www.ritransfers.org and contact your CCRI adviser.

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MATH+</td>
<td>1000 level</td>
<td>3</td>
</tr>
<tr>
<td>MATH+</td>
<td>1000 level</td>
<td>3</td>
</tr>
<tr>
<td>ECON 2030</td>
<td>Principles of Microeconomics</td>
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</tr>
<tr>
<td>ECON 2040</td>
<td>Principles of Macroeconomics</td>
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</tr>
<tr>
<td>COMM 1100</td>
<td>Oral Communication I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select one: ENGL 1410</td>
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</tr>
<tr>
<td></td>
<td>OR 2100 OR ENGL (Lit)</td>
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</tr>
<tr>
<td></td>
<td>Business Writing</td>
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</tr>
<tr>
<td></td>
<td>OR Technical Writing OR Literature course</td>
<td></td>
</tr>
<tr>
<td>General Education Electives</td>
<td>Select six credits from: Foreign Languages (ARAB, CHIN, FREN, GERM, ITAL, JAPN, PORT, RUSN, SPAN) and/or Humanities, Math/Science or Social Sciences. See page 22 for complete listing of courses that meet this requirement.</td>
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Total General Education Credits 27

Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
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<tbody>
<tr>
<td>ACCT 1010</td>
<td>Financial Accounting</td>
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<tr>
<td>ACCT 1020</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUSN 1010</td>
<td>Introduction to Business</td>
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</tr>
<tr>
<td>BUSN 2050</td>
<td>Principles of Management</td>
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</tr>
<tr>
<td>BUSN 2060</td>
<td>Principles of Marketing</td>
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</tr>
<tr>
<td></td>
<td>Computer Studies</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Take three credits from: ACCT 1030; BUSN 1220, 1300; COMI 1100, 1420, 1422, 1430, 1440, 1451, 1452, 1640, 1645; OFTD 1160</td>
<td>3</td>
</tr>
<tr>
<td>LAW 2050</td>
<td>Law of Contracts</td>
<td>3</td>
</tr>
<tr>
<td>Electives**</td>
<td>Take 12 credits from any instructional program</td>
<td>12</td>
</tr>
</tbody>
</table>

Total Major Requirements Credits 35

Total Program Credits 62

+ Math at the 1000 level or higher. MATH 1670 and 1680 are recommended for students who plan to transfer to a four-year institution. MATH 1600 and 1620 are recommended for students who do not plan to transfer.

** Students may select at least 12 credits from any instructional program, including Business Administration programs. This allows students to tailor a program to their specific interests.
Management Concentration (MNGT)

Associate in Science Degree in Business (ASB_BUSN)

Associate degree programs in the Department of Business Administration are nationally accredited by the Accreditation Council for Business Schools and Programs.

Students who successfully complete the Management concentration demonstrate a fundamental knowledge of a range of management concepts and approaches. They also are able to successfully apply tools and techniques for management decision-making and can conduct research using a variety of resources, including online databases. In addition, this program assists students in developing communication, interpersonal, leadership and teamwork skills essential in today’s business environment.

Management Strategy (BUSN 2070) serves as the capstone course for this concentration. The Management concentration prepares students for entry-level positions such as assistant manager or manager-in-training in various organizational settings. Students may choose to transfer to four-year institutions to earn bachelor’s degrees and should consult colleges for information on transferable courses.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:

First semester: ACCT 1010; BUSN 1010; ENGL 1010; General Education Elective; MATH+
Second semester: ACCT 1020; BUSN 1000; COMM 1100; General Education Elective; MATH+
Third semester: BUSN 1060, 2050; Computer Studies; ECON 2030; ENGL 1410 OR 2100 OR ENGL (Lit)
Fourth semester: BUSN 2060, 2070, 2350; ECON 2040; LAWS 2050

TRANSFER OPTIONS

OPTION 1: Complete a CCRI Business Administration degree program and transfer to one of the four-year colleges with which CCRI has transfer agreements. Course credits transfer differently from college to college. Consult with Advising and Counseling for specifics. Under the articulation transfer policy, students completing a CCRI associate in science degree in business with at least a 2.4 GPA are guaranteed admission to Rhode Island College (RIC) or University of Rhode Island (URI). The applicability of courses toward the baccalaureate degree is determined by the receiving institution. For more information, visit www.ritransfers.org and contact your CCRI adviser.

OPTION 2: Participate in the Joint Admissions Agreement (JAA) and take the courses in one of the approved JAA transition plans for transfer into specific business-related majors at RIC or URI. Students who successfully complete JAA requirements are guaranteed transfer of their courses and acceptance for the intended major at RIC or URI. Students may choose to transfer to four-year institutions to earn bachelor’s degrees and should consult colleges for information on transferable courses.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

General Education Requirements

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<td>1000 level</td>
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<td>1000 level</td>
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</tr>
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<td>ECON 2030</td>
<td>Principles of Microeconomics</td>
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</tr>
<tr>
<td>ECON 2040</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Oral Communication I</td>
<td>3</td>
</tr>
<tr>
<td>Select one: ENGL 1410 OR 2100 OR ENGL (Lit)</td>
<td>Business Writing OR Technical Writing OR Literature course</td>
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Total General Education Credits 27

Major Requirements

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<td>4</td>
</tr>
<tr>
<td>ACCT 1020</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUSN 1000</td>
<td>Workplace Relationship Skills</td>
<td>3</td>
</tr>
<tr>
<td>BUSN 1010</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUSN 1060</td>
<td>Leadership Development</td>
<td>3</td>
</tr>
<tr>
<td>BUSN 2050</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>BUSN 2060</td>
<td>Principles of Marketing</td>
<td>3</td>
</tr>
<tr>
<td>BUSN 2070</td>
<td>Management Strategy</td>
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</tr>
<tr>
<td>BUSN 2350</td>
<td>Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>Computer Studies</td>
<td>Take three credits from: ACCT 1030; BUSN 1220, 1300; COMM 1100, 1420, 1422, 1430, 1440, 1451, 1452, 1640, 1645; OFTD 1160</td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2050</td>
<td>Law of Contracts</td>
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</tr>
</tbody>
</table>

Total Major Requirements Credits 35

Total Program Credits 62

+Math at the 1000 level or higher. MATH 1670 and 1680 are recommended for students who plan to transfer to a four-year institution. MATH 1600 and 1620 are recommended for students who do not plan to transfer.
Marketing Concentration (MARK)

Associate in Science Degree in Business (ASB_BUSN)

Associate degree programs in the Department of Business Administration are nationally accredited by the Accreditation Council for Business Schools and Programs.

Students who successfully complete courses in this concentration develop communication, interpersonal, leadership and teamwork skills. Program graduates understand the role and importance of marketing in organizations, demonstrate critical-thinking, decision-making, strategic planning and communications skills, and are able to use technological resources – including online databases – to conduct research.

The Marketing concentration prepares students for entry-level positions such as marketing assistant or coordinator, advertising assistant, or salesperson or customer service representative. Students may choose to transfer to four-year institutions to earn bachelor’s degrees and should consult colleges for information on transferable courses.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:

First semester: ACCT 1010; BUSN 1010; ENGL 1010; General Education Elective; MATH+

Second semester: ACCT 1020; BUSN 2060; COMM 1100, General Education Elective; MATH+

Third semester: BUSN 1020, 1110; Computer Studies; ECON 2030; ENGL 1410 OR 2100 OR ENGL (Lit) OR Technical Writing OR Literature course

Fourth semester: BUSN 1000, 1130, 2050; ECON 2040; LAWS 2050

TRANSFER OPTIONS

OPTION 1: Complete a CCRI Business Administration degree program and transfer to one of the four-year colleges with which CCRI has transfer agreements. Course credits transfer differently from college to college. Consult with Advising and Counseling for specifics. Under the articulation transfer policy, students completing a CCRI associate in science degree in business with at least a 2.4 GPA are guaranteed admission to Rhode Island College (RIC) or University of Rhode Island (URI). The applicability of courses toward the baccalaureate degree is determined by the receiving institution. For more information, visit www.ritransfers.org and contact your CCRI adviser.

OPTION 2: Participate in the Joint Admissions Agreement (JAA) and take the courses in one of the approved JAA transition plans for transfer into specific business-related majors at RIC or URI. Students who successfully complete JAA requirements are guaranteed transfer of their courses and acceptance for the intended major at RIC or URI. For more information on the benefits of participating in JAA, visit www.ccri.edu/jaa or www.ritransfers.org and contact your CCRI adviser.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.
Accounting Concentration (ACTC)

Certificate in Business Administration (CERT_BUSN)

By providing an academic foundation in accounting, this certificate program prepares students for entry-level positions in the accounting field. It also may be completed to enhance skills of individuals currently employed in accounting-related positions. Students interested in this program should develop a plan of study to coordinate the timing and availability of all courses.

Note: Most credits earned in this certificate program can be applied toward the associate degree program in Business with a major in Accounting or General Business. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:

First semester: ACCT 1010; COMI 1420; MATH
Second semester: ACCT 1020; BUSN 1040
Third semester: ACCT 1030, 2010
Fourth semester: ACCT 1500, 2020

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>ACCT 1010</td>
<td>Financial Accounting</td>
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<tr>
<td>ACCT 1020</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>ACCT 1030</td>
<td>Computerized Accounting</td>
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<tr>
<td>ACCT 1500</td>
<td>Personal Income Taxes</td>
<td>3</td>
</tr>
<tr>
<td>ACCT 2010</td>
<td>Intermediate Accounting I</td>
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</tr>
<tr>
<td>ACCT 2020</td>
<td>Intermediate Accounting II</td>
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<tr>
<td>BUSN 1040</td>
<td>Personal Finance</td>
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<tr>
<td>COMI 1420</td>
<td>Introduction to Spreadsheets</td>
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<tr>
<td>MATH</td>
<td>Select one: MATH 1600, 1620, 1670, 1680</td>
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</table>

Total Certificate Credits 29

GAINFUL EMPLOYMENT INFORMATION

Most students in this certificate program attend part time and take two courses each semester. Therefore, the average time to complete the Accounting certificate as a part-time student could be five semesters (or 30 months). Students who choose to attend full time could complete this certificate program in as few as four semesters (or 24 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/bst/busn/accountig-cert.html.
Entrepreneurship Concentration (ETRC)
Certificate in Business Administration (CERT_BUSN)

This concentration provides individuals with a basic understanding of the principles, concepts and procedures necessary to start a small business. After completing core and elective courses, students apply their knowledge through an entrepreneurial capstone course that requires the development of a complete business plan. During this capstone course, students work independently, with faculty guidance, but without the benefit of classroom instruction. Business plans are reviewed by a committee of volunteer advisers from the business community who may establish their own guidelines and requirements for the business plan.

Note: Most credits earned in this certificate program can be applied toward the associate degree program in Business with a major in General Business. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:
First semester: ACCT 1010; BUSN 1010; LAWS 2050
Second semester: BUSN 1000, 2060
Third semester: BUSN 1050, 1060
Fourth semester: BUSN 1020, 2100

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
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<tr>
<td>ACCT 1010</td>
<td>Financial Accounting</td>
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<tr>
<td>BUSN 1010</td>
<td>Introduction to Business</td>
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</tr>
<tr>
<td>BUSN 1050</td>
<td>Small Business Administration</td>
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<tr>
<td>BUSN 1060</td>
<td>Leadership Development</td>
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<td>BUSN 2060</td>
<td>Principles of Marketing</td>
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<td>LAWS 2050</td>
<td>Law of Contracts</td>
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</tr>
<tr>
<td>BUSN 1000</td>
<td>Workplace Relationship Skills</td>
<td>3</td>
</tr>
<tr>
<td>BUSN 1020</td>
<td>Marketing Communications</td>
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</tr>
<tr>
<td>BUSN 2100</td>
<td>Entrepreneurship Capstone</td>
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</table>

Total Certificate Credits 28

GAINFUL EMPLOYMENT INFORMATION
Most students in this certificate program attend part time and take two courses each semester. Therefore, the average time to complete the Entrepreneurship certificate as a part-time student could be five semesters (or 30 months). Students who choose to attend full time could complete this certificate program in as few as two semesters (or 12 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/bst/busn/entrepreneur-cert.html.
Financial Services Concentration (FNSC)
Certificate in Business Administration (CERT_BUSN)

This concentration in Financial Services is designed to prepare students for entry-level positions in the financial services industry, which includes banking, insurance and investments. Also, individuals who are already working in the industry and seeking promotion to a higher position can benefit from earning this certificate. Courses in accounting, personal income taxes, personal finance, money and banking and investments will provide a strong foundation. A course in sales will enable the student to acquire tools to sell the types of products offered by companies in the industry.

Note: All credits earned in this certificate program can be applied toward the associate degree program in Business with a concentration in Financial Services (except ACCT 1500) or General Business. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

<table>
<thead>
<tr>
<th>COURSE NO.</th>
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<tr>
<td>ACCT 1010</td>
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<td>ACCT 1020</td>
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<td>ACCT 1500</td>
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<td>BUSN 1010</td>
<td>Introduction to Business</td>
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<td>BUSN 1040</td>
<td>Personal Finance</td>
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<tr>
<td>BUSN 1110</td>
<td>Sales</td>
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<td>BUSN 2050</td>
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<tr>
<td>BUSN 2110</td>
<td>Money and Banking</td>
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<tr>
<td>BUSN 2120</td>
<td>Investments</td>
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</table>

Total Certificate Credits 29

RECOMMENDED COURSE SEQUENCE:
- First semester: ACCT 1010; BUSN 1010
- Second semester: ACCT 1020; BUSN 1110
- Third semester: BUSN 1040, 2050, 2110
- Fourth semester: ACCT 1500; BUSN 2120

GAINFUL EMPLOYMENT INFORMATION
Most students in this certificate program attend part time and take two courses each semester. Therefore, the average time to complete the Financial Services certificate as a part-time student could be five semesters (or 30 months). Students who choose to attend full time could complete this certificate program in as few as two semesters (or 12 months). For more information about the number of CCRl graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/bst/busn/financial-cert.html.
Management Concentration (MGTC)
Certificate in Business Administration (CERT_BUSN)

The Management concentration begins with a study of basic principles, concepts and procedures. Upon successful completion of these initial courses, students apply their knowledge in a capstone management strategy course. This final course allows students to apply previous learning through cases, simulations and integrated activities. Students are expected to use and demonstrate reasoning skills, strategies and a basic understanding of decision-making.

Note: All credits earned in this certificate program can be applied toward the associate in science degree in Business program with a concentration in Management or General Business. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:
First semester: ACCT 1010; BUSN 1010
Second semester: ACCT 1020; BUSN 1000, 2050
Third semester: BUSN 1060, 2060, 2350
Fourth semester: BUSN 2070

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<td>BUSN 1000</td>
<td>Workplace Relationship Skills</td>
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<td>BUSN 1010</td>
<td>Introduction to Business</td>
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<td>BUSN 1060</td>
<td>Leadership Development</td>
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<tr>
<td>BUSN 2050</td>
<td>Principles of Management</td>
<td>3</td>
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<tr>
<td>BUSN 2060</td>
<td>Principles of Marketing</td>
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<tr>
<td>BUSN 2070</td>
<td>Management Strategy</td>
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</tr>
<tr>
<td>BUSN 2350</td>
<td>Human Resources Management</td>
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</table>

Total Certificate Credits 29

GAINFUL EMPLOYMENT INFORMATION
Most students in this certificate program attend part time and take two courses each semester. Therefore, the average time to complete the Management certificate as a part-time student could be five semesters (or 30 months). Students who choose to attend full time could complete this certificate program in as few as three semesters (or 18 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/bst/busn/management-cert.html.
Marketing Concentration (MRKC)

Certificate in Business Administration (CERT_BUSN)

This concentration provides students with both an academic foundation and practical skills development in the field of marketing. It is ideal for individuals already working in the business world who seek a background in marketing or those who wish to explore the field by studying a variety of up-to-date topics.

Note: All credits earned in this certificate program can be applied toward the associate degree program in Business with a concentration in Marketing or General Business. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:

First semester: ACCT 1010; BUSN 1010
Second semester: BUSN 1000, 2060
Third semester: BUSN 1020, 1110
Fourth semester: BUSN 1130, BUSN 2050

GAINFUL EMPLOYMENT INFORMATION

Most students in this certificate program attend part time and take two courses each semester. Therefore, the average time to complete the Marketing certificate as a part-time student could be four semesters (or 24 months). Students who choose to attend full time could complete this certificate program in as few as two semesters (or 12 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/academicaffairs/gainful-employment/bst/busn/marketing-cert.html.
BIOBUSINESS ADMINISTRATION
Chemical Technology

PROGRAMS

Associate Degree Program
Chemical Technology

Certificate Program
Chemical Technology

CCRI offers a certificate and an associate in applied science degree in Chemical Technology. Either program can be taken on a part- or full-time basis, but the program is designed to allow students to fit their education into their busy lives. It is recommended that all students initially enroll in the certificate program because employers often do not discriminate between certificate- and degree-holding job candidates. Students can continue on to earn the associate in applied science degree. The A.A.S. degree in Chemical Technology transfers to most four-year institutions as the first two years of a traditional baccalaureate program in Chemistry.

For more information contact Program Coordinator Wayne Suits at 401-825-2010 or wsuits@ccri.edu.
**Associate in Applied Science Degree in Chemical Technology (AAS_CHMT)**

Knight Campus, Warwick only

This program was the first in the nation to be accredited by the American Chemical Society.

The chemical industry is one of the fastest growing industries in the United States. Its need for trained technicians in quality control, analysis, and research and development laboratories is extensive.

The Chemical Technology program prepares graduates to enter the chemical field in any one of a variety of capacities: chemical research technician, laboratory assistant, chemical production technician, junior chemist or analytical technician. The program is structured to develop a fundamental understanding of general, organic and analytical chemistry, with emphasis on laboratory applications and techniques.

**Note:** It is recommended that full-time students take a minimum of 15 credits each semester. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

**RECOMMENDED COURSE SEQUENCE:**

**First semester:** CHMT 1120; BIOL 1000 OR 1002; ENGL 1010; MATH 1200 OR 1700

**Second semester:** CHMT 1220; MATH 1210 OR 1710; INST 1010; Humanities OR Social Science Elective

**Third semester:** CHMT 2320; BIOL 2480; Social Science Elective

**Fourth semester:** CHMT 2420; COMI course(s); ETEE 1050

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### General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
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<tbody>
<tr>
<td>BIOL 1000**</td>
<td>Cell Biology for Technology</td>
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<td>OR 1002</td>
<td>OR Introductory Biology: Cellular</td>
<td></td>
</tr>
<tr>
<td>BIOL 2480</td>
<td>General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>OR Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>See page 22 for complete list of courses that fulfill the HUMN or SSCI attribute.</td>
<td></td>
</tr>
<tr>
<td>MATH 1200†</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>OR 1700</td>
<td>OR Algebra for Technology</td>
<td></td>
</tr>
<tr>
<td>MATH 1210†</td>
<td>College Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>OR 1710</td>
<td>OR Trigonometry for Technology</td>
<td></td>
</tr>
<tr>
<td>INST 1010</td>
<td>Introduction to Instrumentation Technology</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>See page 22 for complete list of courses that fulfill the SSCI attribute.</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total General Education Credits**

26

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### Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHMT 1120</td>
<td>Chemical Technology I</td>
<td>6</td>
</tr>
<tr>
<td>CHMT 1220</td>
<td>Chemical Technology II</td>
<td>6</td>
</tr>
<tr>
<td>CHMT 2320*</td>
<td>Chemical Technology III</td>
<td>10</td>
</tr>
<tr>
<td>CHMT 2420</td>
<td>Chemical Technology IV</td>
<td>8</td>
</tr>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers OR</td>
<td>3</td>
</tr>
<tr>
<td>OR COMI 1420</td>
<td>Introduction to Spreadsheets (5 weeks) AND</td>
<td>1</td>
</tr>
<tr>
<td>AND COMI 1430</td>
<td>Introduction to Database Software (5 weeks) AND</td>
<td>1</td>
</tr>
<tr>
<td>AND COMI</td>
<td>AND any other COMI course</td>
<td>1</td>
</tr>
<tr>
<td>ETEE 1050</td>
<td>Introduction to Electromechanical Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Major Requirements Credits**

36

**Total Program Requirements Credits**

62

*CHMT 2320 starts in January and ends in August.

**Students who also plan to complete the Biotechnology certificate program should choose BIOL 1000.

†Students who plan to transfer and complete a bachelor’s degree in Chemistry should choose MATH 1200 and 1210.*
Certificate in Chemical Technology (CERT_CHMT)

Knight Campus, Warwick only

The chemical industry is one of the fastest growing industries in the United States. Its need for trained technicians in quality control, analysis, and research and development laboratories is extensive.

The Chemical Technology certificate program prepares graduates to enter the chemical field in any one of a variety of capacities – chemical research technician, laboratory assistant, chemical production technician, junior chemist or analytical technician. The program is structured to develop a fundamental understanding of general, organic and analytical chemistry, with emphasis on laboratory applications and techniques. The certificate program consists of the four core Chemical Technology courses, an English course and mathematics proficiency.

Note: Students must take the ACCUPLACER test to ensure proficiency in mathematics. If the ACCUPLACER test indicates, MATH 0500 (3 credits) or MATH 0600 (3 credits) is required. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:
- First semester: CHMT 1120; ENGL 1010
- Second semester: CHMT 1220
- Third semester: CHMT 2320*
- Fourth semester: CHMT 2420

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHMT 1120</td>
<td>Chemical Technology I</td>
<td>6</td>
</tr>
<tr>
<td>CHMT 1220</td>
<td>Chemical Technology II</td>
<td>6</td>
</tr>
<tr>
<td>CHMT 2320*</td>
<td>Chemical Technology III</td>
<td>10</td>
</tr>
<tr>
<td>CHMT 2420</td>
<td>Chemical Technology IV</td>
<td>8</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Certificate Credits 33

*CHMT 2320 starts in January and ends in August.

GAINFUL EMPLOYMENT INFORMATION

Students in this certificate program attend full time and complete it in 18 months of classes. For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/bst/chem/chem-tech.html.
Communication

Media Production Concentration (NMPR)
Media Post-Production Concentration (NMPP)
Media Studies Concentration (NMST)
Media Communication Concentration (NMCM)

Certificate in New Media Communication (CERT_NMCC)

The New Media Communication certificate offers practical training in the foundational skills of video, audio and media production; critical studies; writing and rhetoric. Whether creating content for traditional or new media platforms, students will gain an understanding of how to craft and communicate a message from pre-production through post-production. Through their participation, students will be prepared to enter various communication and media disciplines as videographers, producers, directors, writers and editors in the following industries: television, radio, new media journalism, the Web and social media management. Students also will develop a solid foundation that prepares them to enter four-year degree programs where they can further refine and develop their talents and skills.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:

Media Production concentration
First semester: COMM 1000, 1050
Second semester: COMM 2100, 2200, 2300

Media Post-Production concentration
First semester: COMM 1000, 1050
Second semester: COMM 2300, 2350, 2400

Media Studies concentration
First semester: COMM 1000; ENGL 1210
Second semester: COMM 1050, 2050; ENGL 2210

Media Communication concentration
First semester: COMM 1000, 1050
Second semester: COMM 1100, 1400, 2000

GAINFUL EMPLOYMENT INFORMATION
Most students in the New Media Communication certificate program attend classes part time. Therefore, the time to complete this certificate would be two semesters (or 12 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/ahss/newmedia.html

Core Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 1000</td>
<td>Foundations in Video and Audio Production</td>
<td>4</td>
</tr>
<tr>
<td>COMM 1050</td>
<td>Mass Media Foundations</td>
<td>3</td>
</tr>
<tr>
<td>One Concentration</td>
<td>Select one track from the list below and complete requirements for a total of 16 credits.</td>
<td>9</td>
</tr>
</tbody>
</table>

CONCENTRATION OPTIONS – Choose one to complete core requirements.

Media Production

| COMM 2100 | Studio Production | 3 |
| COMM 2200 | Field Production  | 3 |
| COMM 2300 | Video and Media Editing | 3 |

Media Post-Production

| COMM 2300 | Video and Media Editing | 3 |
| COMM 2350 | Motion Graphics for Media Communication | 3 |
| COMM 2400 | Media Production and Distribution Fundamentals | 3 |

Media Studies

| COMM 2050 | Media and Broadcast History | 3 |
| ENGL 1210 | Introduction to Film        | 3 |
| ENGL 2210 | Special Topics in Film      | 3 |

Media Communication

| COMM 1100 | Oral Communication 1       | 3 |
| COMM 1400 | Social Media Communication | 3 |
| COMM 2000 | Media Writing              | 3 |

Total Certificate Credits

16

Suggested additional studies:
COMI 1770 – Fundamentals of Website Development (All tracks), 3 credits
LIBA 1010 – Cooperative Work Experience (All tracks), 4 credits
ARTS 1850 – Digital Photography 1 (Media Production), 3 credits
MUSC 1112 – Introduction to Digital Audio Editing (Media Post-Production), 3 credits
ITAL 1900 – The Italian Heritage (Media Studies), 3 credits
BUSN 1020 – Marketing Communications (Media Communication), 3 credits
Computer Studies and Information Processing

PROGRAMS

Associate Degree
Programs and Concentrations
Computer Programming
Computer and Information Technology
  General Information Processing
  IT Support Specialist
  Networking
  Web Technologies
Cybersecurity

Certificate Program
Concentrations
Computer Programming
General Information Processing
IT Support Specialist
Networking
Office Automation
Web Technologies

In response to the impact of computer technology on communications and industry, CCRI offers various degree and certificate programs through the Computer Studies and Information Processing Department.

Associate in Science (A.S.) degree programs are:

Computer Programming, which prepares students to enter a modern programming environment. This degree program stresses problem definition and solution design using different programming languages in the development of applications.

Computer and Information Technology prepares students to enter a workplace that emphasizes the use of the personal computer as a stand-alone device or in a networked computer environment. Depending on the selection of courses, this program could prepare an individual to be employed in a variety of computer user support services. Concentrations in this program include: General Information Processing, Networking, IT Support Specialist and Web Technologies.

Cybersecurity is one of the fastest-growing, high-demand fields of information technology and the workplace in general. This degree program offers students the opportunity to acquire the skills needed to compete for these jobs and to prepare for a career in cybersecurity. The program will also provide a strong foundation for students intending to pursue a bachelor’s degree in the field as well as an opportunity for industry professionals to update their skills to meet the demands of their employers.

Certificate programs are:

Computer Programming, General Information Processing, IT Support Specialist, Networking, Web Technologies and Office Automation. Certificate programs emphasize technical coursework only and do not require students to take electives that are required in the associate degree program.
Computer Programming Degree (CPRD)
Associate in Science Degree in Computer Studies and Information Processing (AS_COMI)

Knight Campus, Warwick only

The Computer Programming concentration prepares students to enter a modern programming environment. The program stresses problem definition and solution design using different programming languages in the development of applications.

Note: All students must obtain a grade of at least “C” in all computer course requirements and must maintain a 2.0 GPA. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

**RECOMMENDED COURSE SEQUENCE:**
Course sequence and prerequisites for major courses are under review. See Computer Studies department faculty for guidance.

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### Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>COMI 1150</td>
<td>Programming Concepts</td>
<td>3</td>
</tr>
<tr>
<td>COMP 1200</td>
<td>Database Design and Management</td>
<td>3</td>
</tr>
<tr>
<td>COMP 1230*</td>
<td>Systems Analysis and Design</td>
<td>4</td>
</tr>
<tr>
<td>COMP 2015</td>
<td>Introduction to Microsoft Project</td>
<td>1</td>
</tr>
<tr>
<td>COMP 2430</td>
<td>Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>COMI 1800</td>
<td>Computer Networking Software</td>
<td>3</td>
</tr>
<tr>
<td>OR 1840</td>
<td>Windows Server</td>
<td>3</td>
</tr>
<tr>
<td>Programming Language Sequence**</td>
<td>Take six credit sequence of COMI 1520, 1530 OR COMI 1510, 2510 OR COMI 1225, 2225</td>
<td>6</td>
</tr>
<tr>
<td>Electives**</td>
<td>Take six credits from programming attribute PROG (See page 23.)</td>
<td>6</td>
</tr>
</tbody>
</table>

Students planning to transfer to RIC or URI should please check the recommendations on page 76.

**Suggested electives for Database emphasis:**
COMI 1225, 1260, 2010, 2036 OR take any COMI/COMP/CNVT to total six (6) elective credits.

*Computer Studies Department recommends COMP 1230 in final semester.

**Computer Studies Department recommends COMI 1150 as a prerequisite.

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### General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>OR 2100</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>Humanities, Math/Science OR Social Science Elective</td>
<td>See page 22 for complete list of courses that fulfill the HUMN, MSCI or SSCI attribute. (MATH 1430 or above recommended)</td>
<td>6</td>
</tr>
<tr>
<td>MATH Elective</td>
<td>Any three credits of math (MATH 1430 or above)</td>
<td>3</td>
</tr>
<tr>
<td>Math/Science OR Social Science Elective</td>
<td>See page 22 for complete list of courses that fulfill the MSCI or SSCI attribute. (MATH 1430 or above recommended)</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>See page 22 for complete list of courses that fulfill the SSCI attribute.</td>
<td>3</td>
</tr>
<tr>
<td>COMM Elective</td>
<td>COMM 1100, 1110 OR 1180</td>
<td>3</td>
</tr>
<tr>
<td>Total General Education Credits</td>
<td></td>
<td>21</td>
</tr>
</tbody>
</table>

### Total Program Credits

63

Note: All students must obtain a grade of at least “C” in all computer course requirements and must maintain a 2.0 GPA. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.
Associate in Science Degree in Computer Studies and Information Processing (AS_COMI)

Transfer information – Please visit www.ccri.edu/comp/cs-transfer for detailed information about transfer from CCRI to RIC, URI and Johnson & Wales University.

RECOMMENDED COURSE SEQUENCE:

First semester: COMI 1100, 1150
Second semester: Programming Elective, COMP 1200
Third semester: COMI 1800 OR 1840, COMI 1510
Fourth semester: COMI 2510, COMP 1230

Take other required major courses in any sequence.

OTHER CONSIDERATIONS

If possible, use the inter-institutional agreement (see page 31 for details) to take these courses:

RIC courses: CSCI 312 (Prerequisite: COMI 2510)
URI courses: CSC 110 (no prerequisite), CSC 212 (Prerequisite: COMI 2510)

GENERAL EDUCATION COURSES

The Computer Studies Department’s website (www.ccri.edu/comp/cs-transfer) contains links to documents that provide students helpful advice in choosing their general education courses to make sure they align best with the General Education requirements at RIC and URI.
### General Information Processing Concentration (CMGD)

**Associate in Science Degree in Computer Studies and Information Processing (AS_COMI)**

Knight Campus, Warwick only

The General Information Processing concentration is designed for individuals who wish to acquire the training necessary to prepare them for a position in the field of computing or gain a broader knowledge of computer software and/or hardware.

**Note:** Students must earn a grade of at least “C” in all computer course requirements and must maintain a 2.0 GPA. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

### RECOMMENDED COURSE SEQUENCE:

Course sequence and prerequisites for major courses are under review. See Computer Studies department faculty for guidance.

### Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>___</td>
<td></td>
<td></td>
</tr>
<tr>
<td>___</td>
<td>COMI 1100 Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>___</td>
<td>COMI 1150 Programming Concepts</td>
<td>3</td>
</tr>
<tr>
<td>___</td>
<td>COMI 1420 Introduction to Spreadsheets</td>
<td>1</td>
</tr>
<tr>
<td>___</td>
<td>COMI 1430 Introduction to Database Software</td>
<td>1</td>
</tr>
<tr>
<td>___</td>
<td>COMI 1450 Windows Operating System</td>
<td>3</td>
</tr>
<tr>
<td>___</td>
<td>COMI 2015 Introduction to Microsoft Project</td>
<td>1</td>
</tr>
<tr>
<td>___</td>
<td>COMP 1230* Systems Analysis and Design</td>
<td>4</td>
</tr>
<tr>
<td>___</td>
<td>Programming Language Elective**</td>
<td>3</td>
</tr>
<tr>
<td>___</td>
<td>Electives Take three credits from programming attribute PROG (See page 23.)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Suggested electives** for Security emphasis:

COMI 2020, 2035, 2036, 2037 OR take any COMI/COMP/CNVT to total 18 elective credits.

*Computer Studies Department recommends taking COMP 1230 in final semester.

**Computer Studies Department recommends COMI 1150 as a prerequisite.

### General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>___</td>
<td></td>
<td></td>
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<tr>
<td>___</td>
<td>ENGL 1010 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>___</td>
<td>OR ENGL 2100 Technical Writing</td>
<td></td>
</tr>
<tr>
<td>___</td>
<td>COMM Elective COMM 1100, 1110 OR 1180</td>
<td>3</td>
</tr>
<tr>
<td>___</td>
<td>MATH Any three credits of math (1000 level or above)</td>
<td>3</td>
</tr>
<tr>
<td>___</td>
<td>Humanities, Math/Science, OR Social Science Elective See page 22 for complete list of courses that fulfill the HUMN, MSCI or SSCI attribute.</td>
<td>6</td>
</tr>
<tr>
<td>___</td>
<td>Math/Science OR Social Science Elective See page 22 for complete listing of courses that fulfill the MSCI or SSCI attribute.</td>
<td>3</td>
</tr>
<tr>
<td>___</td>
<td>Social Science Elective See page 22 for complete list of courses that fulfill the SSCI attribute.</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total General Education Credits** 21

**Total Major Requirements Credits** 39

**Total Program Credits** 60
Cybersecurity Degree (AS_COMI_CYBR)

**Associate in Science Degree in Computer Studies and Information Processing (AS_COMI)**

Available on all four campuses; daytime, evening or online

The Cybersecurity program is designed to provide students with a strong foundation in the principles and methods of cybersecurity, as well as the fundamental knowledge and tools for applying security measures across a variety of network architectures and settings. In addition to serving as a strong foundation for pursuing a bachelor’s degree in cybersecurity, this associate degree program will provide the educational background and hands-on training necessary to prepare students for entry in the cybersecurity sector. The curriculum includes a combination of general education, computer science and network technology courses to provide students with the knowledge, skills and training necessary for successful transition into a career in security, and to meet NSA and Centers of Academic Excellence core foundational content and standards.

**Note:** Students must earn a grade of at least “C” in all computer course requirements and must maintain a 2.0 GPA. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

**RECOMMENDED COURSE SEQUENCE:**
- **First semester:** ENGL 1010; MATH 1200; CNVT 1810; COMI 1150; Social Science/Humanities Elective
- **Second semester:** MATH 1430; CNVT 1820, 1200; COMI 1510/1225 (1510 preferred); Social Science/Humanities Elective
- **Third semester:** MATH 1210; CNVT 1830; COMI 2036, 2037 OR 2035; COMP 1200
- **Fourth semester:** CNVT 2200; COMI 2037 OR 2035; COMP 2430; Social Science/Humanities Elective; COMP 2500

**Major Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>_COMI 1150</td>
<td>Programming Concepts</td>
<td>3</td>
</tr>
<tr>
<td>_COMP 1200</td>
<td>Database Design and Management</td>
<td>3</td>
</tr>
<tr>
<td>_COMI 2035</td>
<td>Introduction to Computer Forensics</td>
<td>3</td>
</tr>
<tr>
<td>_COMP 2036</td>
<td>Introduction to Computer Ethics</td>
<td>3</td>
</tr>
<tr>
<td>_COMI 2037</td>
<td>Introduction to Cybersecurity</td>
<td>3</td>
</tr>
<tr>
<td>_COMP 2430</td>
<td>Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>_CNVT 1810</td>
<td>Networking Technology</td>
<td>3</td>
</tr>
<tr>
<td>_CNVT 1820</td>
<td>Intermediate Networking</td>
<td>3</td>
</tr>
<tr>
<td>_CNVT 1830</td>
<td>Local Area Networking (LAN) Design and Management</td>
<td>3</td>
</tr>
<tr>
<td>_CNVT 2200</td>
<td>Network Security Hardware</td>
<td>4</td>
</tr>
<tr>
<td>_CNVT 1200</td>
<td>Introduction to Wireless Networks</td>
<td>3</td>
</tr>
<tr>
<td>_COMP 2500*</td>
<td>Internship</td>
<td>3</td>
</tr>
<tr>
<td>_Programming Language Elective</td>
<td>Take three credits from programming attribute PROG (See page 23.)</td>
<td>3</td>
</tr>
<tr>
<td>_COMI 1225 or COMI 1510 recommended</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total Major Requirements Credits**  40

**Total Program Credits**  61

*COMP 2500 will be a new course needed to fulfill the internship certification requirement.
Information Technology Support Specialist Concentration (CMSD)
Associate in Science Degree in Computer Studies and Information Processing (AS_COMI)
Knight Campus, Warwick only

This concentration is designed for individuals who wish to acquire training necessary to prepare them for a position in the field of microcomputing IT support or gain a broader knowledge of computer software and/or hardware.

Note: Students in this program must earn a grade of at least “C” in all computer course requirements and must maintain a 2.0 GPA. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:
Course sequence and prerequisites for major courses are under review. See Computer Studies department faculty for guidance.

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>OR ENGL 2100</td>
<td>Technical Writing</td>
<td></td>
</tr>
<tr>
<td>COMM Elective</td>
<td>COMM 1100, 1110 OR 1180</td>
<td>3</td>
</tr>
<tr>
<td>MATH Elective</td>
<td>Any three credits of math (1000 level or above)</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>See page 22 for complete list of courses that fulfill the SSCI attribute.</td>
<td>3</td>
</tr>
<tr>
<td>Math/Science OR Social Science Elective</td>
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</tr>
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<td>See page 22 for complete list of courses that fulfill the HUMN, MSCI or SSCI attribute.</td>
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</tr>
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<td>Total General Education Credits</td>
<td></td>
<td>21</td>
</tr>
</tbody>
</table>

Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>COMI 1150</td>
<td>Programming Concepts</td>
<td>3</td>
</tr>
<tr>
<td>COMI 1415</td>
<td>Personal Computer Operating System</td>
<td>1</td>
</tr>
<tr>
<td>COMI 1420</td>
<td>Introduction to Spreadsheets</td>
<td>1</td>
</tr>
<tr>
<td>COMI 1430</td>
<td>Introduction to Database Software</td>
<td>1</td>
</tr>
<tr>
<td>COMI 1450</td>
<td>Windows Operating System</td>
<td>3</td>
</tr>
<tr>
<td>COMI 1461</td>
<td>Introduction to Unix</td>
<td>1</td>
</tr>
<tr>
<td>COMI 1751</td>
<td>Introduction to HTML</td>
<td>1</td>
</tr>
<tr>
<td>COMI 2015</td>
<td>Introduction to Microsoft Project</td>
<td>1</td>
</tr>
<tr>
<td>COMI 1800</td>
<td>Computer Networking Software</td>
<td>3</td>
</tr>
<tr>
<td>OR COMI 1840</td>
<td>OR Microsoft Windows Server</td>
<td></td>
</tr>
<tr>
<td>COMI 2031</td>
<td>Computer Support Concepts</td>
<td>3</td>
</tr>
<tr>
<td>COMI 2033</td>
<td>Computer Support Tools and Techniques</td>
<td>3</td>
</tr>
<tr>
<td>COMI 2036</td>
<td>Introduction to Computer Ethics</td>
<td>3</td>
</tr>
<tr>
<td>COMI 2055</td>
<td>Introduction to Virtual Computing</td>
<td>1</td>
</tr>
<tr>
<td>COMP 1230*</td>
<td>Systems Analysis and Design</td>
<td>4</td>
</tr>
<tr>
<td>Electives</td>
<td>Take seven credits from COMI, COMP, CNVT OR take one course from ACCT, BUSN, LAWS and the remaining credits from COMI, COMP, CNVT.</td>
<td>7</td>
</tr>
<tr>
<td>Total Major Requirements Credits</td>
<td></td>
<td>39</td>
</tr>
</tbody>
</table>

Total Program Credits 60

Suggested electives for Desktop Security emphasis:
COMI 2020, 2035, 2037 OR take any COMI/COMP/CNVT to total seven (7) elective credits.

Suggested electives for Networking emphasis:
COMI 1800, 1840, 2020

Suggested electives for Data Analysis and Reporting emphasis:
COMI 1225, 1260

*Take in final semester or with permission of instructor.
Networking Concentration (CMND)

Associate in Science Degree in Computer Studies and Information Processing (AS_COMI)

Knight Campus, Warwick only

The Networking concentration prepares students to enter a workplace that emphasizes the use of the personal computer as a stand-alone device or in a networked computer environment. Depending on the selection of courses, this program could prepare an individual to be employed in a variety of computer user support services.

Note: Students enrolled in this program must earn a grade of at least “C” in all computer course requirements and must maintain a 2.0 GPA. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:
Course sequence and prerequisites for major courses are under review. See Computer Studies department faculty for guidance.

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>OR ENGL 2100</td>
<td>OR Technical Writing</td>
<td></td>
</tr>
<tr>
<td>COMM Elective</td>
<td>COMM 1100, 1110 OR 1180</td>
<td>3</td>
</tr>
<tr>
<td>MATH Elective</td>
<td>Any three credits of math (1000 level or above)</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>See page 22 for complete list of courses that fulfill the SSCI attribute.</td>
<td>3</td>
</tr>
<tr>
<td>Math/Science</td>
<td>See page 22 for complete list of courses that fulfill the MSCI or SSCI attribute.</td>
<td>3</td>
</tr>
<tr>
<td>OR Social Science Elective</td>
<td>See page 22 for complete list of courses that fulfill the HUMN, MSCI or SSCI attribute.</td>
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Total General Education Credits 21

Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>COMI 1430</td>
<td>Introduction to Database Software</td>
<td>1</td>
</tr>
<tr>
<td>COMI 1451</td>
<td>Introduction to Windows</td>
<td>1</td>
</tr>
<tr>
<td>COMI 1640</td>
<td>Introduction to Word Processing</td>
<td>1</td>
</tr>
<tr>
<td>COMI 1475</td>
<td>Introduction to Visio</td>
<td>1</td>
</tr>
<tr>
<td>COMI 1150</td>
<td>Programming Concepts</td>
<td>3</td>
</tr>
<tr>
<td>COMI 1415</td>
<td>Personal Computer Operating System</td>
<td>1</td>
</tr>
<tr>
<td>COMI 1420</td>
<td>Introduction to Spreadsheets</td>
<td>1</td>
</tr>
<tr>
<td>COMI 1461</td>
<td>Introduction to UNIX</td>
<td>1</td>
</tr>
<tr>
<td>COMP 1200</td>
<td>Database Design and Management</td>
<td>3</td>
</tr>
<tr>
<td>COMI 1800</td>
<td>Computer Networking Software</td>
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</tr>
<tr>
<td>COMI 1840</td>
<td>Microsoft Windows Server</td>
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</tr>
<tr>
<td>COMP 1230*</td>
<td>Systems Analysis and Design</td>
<td>4</td>
</tr>
<tr>
<td>Programming Language Elective**</td>
<td>Take three credits from programming attribute PROG (See page 23.)</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>Take seven credits from COMI, COMP, CNVT (See suggested electives below.)</td>
<td>7</td>
</tr>
<tr>
<td>ACCT, BUSN</td>
<td>Take three credits from Accounting, Business, Law Enforcement OR Legal Studies.</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Major Requirements Credits 39

Total Program Credits: 60

Suggested electives for Network Security emphasis:
COMI 2020, 2035, 2036, 2037 OR take any COMI/COMP/CNVT to total seven (7) elective credits.

*Computer Studies Department recommends taking COMP 1230 in final semester.
**Computer Studies Department recommends COMI 1150 as a prerequisite.
Web Technologies Concentration (CWTD)

Associate in Science Degree in Computer Studies and Information Processing (AS_COMI)

Knight Campus, Warwick only

This concentration is designed for individuals who wish to acquire the training necessary to prepare them for a position in the field of Web programming or gain a broader knowledge of computer software and/or hardware.

Note: Students in this program must earn a grade of at least “C” in all computer course requirements and must maintain a 2.0 GPA. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:

Course sequence and prerequisites for major courses are under review. See Computer Studies department faculty for guidance.

General Education Requirements

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<tr>
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<td>OR Technical Writing</td>
<td></td>
</tr>
<tr>
<td>__ COMM Elective</td>
<td>COMM 1100, 1110 OR 1180</td>
<td>3</td>
</tr>
<tr>
<td>__ MATH Elective</td>
<td>Any three credits of math (1000 level or above)</td>
<td>3</td>
</tr>
<tr>
<td>__ Social Science Elective</td>
<td>See page 22 for complete list of courses that fulfill the SSCI attribute.</td>
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</tr>
<tr>
<td>__ Math/Science</td>
<td>See page 22 for complete list of courses that fulfill MSCI or SSCI attribute.</td>
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</tr>
<tr>
<td>__ OR Social Science Elective</td>
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Total General Education Credits 21

Major Requirements

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</thead>
<tbody>
<tr>
<td>__ COMI 1100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>__ COMI 1150</td>
<td>Programming Concepts</td>
<td>3</td>
</tr>
<tr>
<td>__ COMI 1450</td>
<td>Windows Operating System</td>
<td>3</td>
</tr>
<tr>
<td>__ COMI 1420</td>
<td>Introduction to Spreadsheets</td>
<td>1</td>
</tr>
<tr>
<td>__ COMI 1430</td>
<td>Introduction to Database Software</td>
<td>1</td>
</tr>
<tr>
<td>__ COMI 1750</td>
<td>HTML</td>
<td>3</td>
</tr>
<tr>
<td>__ COMI 1755</td>
<td>XML Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>__ COMI 1770**</td>
<td>Fundamentals of Website Development</td>
<td>3</td>
</tr>
<tr>
<td>__ Programming Language Elective***</td>
<td>Take three credits from programming attribute PR (See page 23.) COMI 2010 is recommended.</td>
<td>3</td>
</tr>
<tr>
<td>__ COMP 1230*</td>
<td>Systems Analysis and Design</td>
<td>4</td>
</tr>
<tr>
<td>__ Electives</td>
<td>Take 12 credits from COMI, COMP, CNVT OR take one course from ACCT, BUSN, LAWS and the remaining credits from COMI, COMP, CNVT.</td>
<td>12</td>
</tr>
</tbody>
</table>

Total Major Requirements Credits 39

Total Program Credits 60

Suggested electives for Web Programming emphasis:
COMI 1225, 1240, 1241, 2010,

Suggested electives for Web Site Development emphasis:

*Computer Studies Department recommends taking COMP 1230 in final semester.
**Computer Studies Department recommends taking COMP 1150 and 1750 prior to COMP 1770.
***Computer Studies Department recommends COMI 1150 as a prerequisite.
Computer Programming Concentration (CPCT)
Certificate in Computer Studies and Information Processing (CERT_COMI)
Knight Campus, Warwick only

The Computer Programming concentration emphasizes technical coursework only and does not require students to take electives that are required in the associate degree option. This certificate is designed for individuals who wish to acquire the training necessary to prepare them for a programming position in the computer field or to gain broader knowledge of the computer field.

Note: To be awarded this certificate, students must be registered as matriculating in the Computer Studies program and successfully complete all certificate courses with a grade of “C” or better. Credits earned in this certificate program may be applied toward the associate degree program. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

Recommended Course Sequence:
Course sequence and prerequisites for major courses are under review. See Computer Studies department faculty for guidance.

Certificate Requirements

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<tbody>
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<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>COMI 1150</td>
<td>Programming Concepts</td>
<td>3</td>
</tr>
<tr>
<td>COMI 1800</td>
<td>Computer Networking Software</td>
<td>3</td>
</tr>
<tr>
<td>OR COMI 1840</td>
<td>OR Windows Server</td>
<td></td>
</tr>
<tr>
<td>COMP 2015</td>
<td>Introduction to Microsoft Project</td>
<td>1</td>
</tr>
<tr>
<td>COMP 1200</td>
<td>Database Design and Management</td>
<td>3</td>
</tr>
<tr>
<td>COMP 1230*</td>
<td>Systems Analysis and Design</td>
<td>4</td>
</tr>
<tr>
<td>COMP 2430</td>
<td>Operating Systems</td>
<td>4</td>
</tr>
<tr>
<td>Programming Language Sequence**</td>
<td>Take six-credit sequence of COMI 1520, 1530 OR COMI 1510, 2510 OR COMI 1225, 2225</td>
<td>6</td>
</tr>
<tr>
<td>Programming Language Electives**</td>
<td>Take six credits from programming attribute PROG (See page 23.)</td>
<td>6</td>
</tr>
<tr>
<td>COMI/COMP/CNVT</td>
<td>Take three credits from COMI/COMP/CNVT courses (See course descriptions.)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Certificate Credits 36

*Computer Studies Department recommends taking COMP 1230 in final semester.
**Computer Studies Department recommends COMI 1150 as a prerequisite.

Gainful Employment Information
Most students in this certificate program attend part time and take two courses each semester. Therefore, the average time to complete the Computer Programming certificate as a part-time student could be six semesters (or 36 months). Students who choose to attend full time could complete this certificate program in as few as two semesters (or 12 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/bst/comp/comp-program-cert.html.
General Information Processing Concentration (CMGC)
Certificate in Computer Studies and Information Processing (CERT_COMI)
Knight Campus, Warwick only

The General Information Processing concentration is designed for individuals who wish to acquire the training necessary to prepare them for a position in the field of computing or gain a broader knowledge of computer software and/or hardware. Certificate programs emphasize technical coursework only and do not require students to take electives that are required in the associate degree options.

Note: To be awarded this certificate, students must be registered as matriculating in the Computer Studies program and successfully complete all certificate courses with a grade of “C” or better. Credits earned in this certificate program may be applied toward the associate degree program. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:
Course sequence and prerequisites for major courses are under review.
See Computer Studies department faculty for guidance.

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>__COMI 1100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>__COMI 1420</td>
<td>Introduction to Spreadsheets</td>
<td>1</td>
</tr>
<tr>
<td>__COMI 1430</td>
<td>Introduction to Database Software</td>
<td>1</td>
</tr>
<tr>
<td>__COMI 1450</td>
<td>Windows Operating System</td>
<td>3</td>
</tr>
<tr>
<td>__COMI 1150</td>
<td>Programming Concepts</td>
<td>3</td>
</tr>
<tr>
<td>__COMI 2015</td>
<td>Introduction to Microsoft Project</td>
<td>1</td>
</tr>
<tr>
<td>__COMP 1230*</td>
<td>Systems Analysis and Design</td>
<td>4</td>
</tr>
<tr>
<td>Programming Language Elective**</td>
<td>Take three credits from programming attribute PROG (See page 23.)</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>Take 20 credits from COMI, COMP, CNVT</td>
<td>20</td>
</tr>
<tr>
<td>__COMP 1230*</td>
<td>Systems Analysis and Design</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Certificate Credits 39

Suggested electives for Security emphasis:
COMI 2020, 2035, 2036, 2037 OR take any COMI/COMP/CNVT to total 17 elective credits.

*Computer Studies Department recommends taking COMP 1230 in final semester.
**Computer Studies Department recommends COMI 1150 as a prerequisite.
Information Technology Support Specialist Concentration (CMSC)
Certificate in Computer Studies and Information Processing (CERT_COMI)

Knight Campus, Warwick only

This concentration is designed for individuals who wish to acquire training necessary to prepare them for a position in the field of IT support or gain a broader knowledge of computer software and/or hardware. Certificate programs emphasize technical coursework only and do not require students to take electives that are required in the associate degree options.

Note: To be awarded this certificate, students must be registered as matriculating in the Computer Studies program and successfully complete all certificate courses with a grade of “C” or better. Credits earned in this certificate program may be applied toward the associate degree program. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:
Course sequence and prerequisites for major courses are under review.
See Computer Studies department faculty for guidance.

GAINFUL EMPLOYMENT INFORMATION
Most students in this certificate program attend part time and take two courses each semester. Therefore, the average time to complete the IT Support Specialist certificate as a part-time student could be six semesters (or 36 months). Students who choose to attend full time could complete this certificate program in as few as two semesters (or 12 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/bst/comp/info-tech-support-cert.html.

Certificate Requirements

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<td>COMI 1100</td>
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<td>3</td>
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<tr>
<td>COMI 1150</td>
<td>Programming Concepts</td>
<td>3</td>
</tr>
<tr>
<td>COMI 1415</td>
<td>Personal Computer Operating System</td>
<td>1</td>
</tr>
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<td>COMI 1420</td>
<td>Introduction to Spreadsheets</td>
<td>1</td>
</tr>
<tr>
<td>COMI 1430</td>
<td>Introduction to Database Software</td>
<td>1</td>
</tr>
<tr>
<td>COMI 1450</td>
<td>Windows Operating System</td>
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</tr>
<tr>
<td>COMI 1461</td>
<td>Introduction to Unix</td>
<td>1</td>
</tr>
<tr>
<td>COMI 1751</td>
<td>Introduction to HTML</td>
<td>1</td>
</tr>
<tr>
<td>COMI 2015</td>
<td>Introduction to Microsoft Project</td>
<td>1</td>
</tr>
<tr>
<td>COMI 1800</td>
<td>Computer Networking Software</td>
<td>3</td>
</tr>
<tr>
<td>OR COMI 1840</td>
<td>OR Microsoft Windows Server</td>
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</tr>
<tr>
<td>COMI 2031</td>
<td>Computer Support Concepts</td>
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<td>Computer Support Tools and Techniques</td>
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<td>COMI 2036</td>
<td>Introduction to Computer Ethics</td>
<td>3</td>
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<td>COMI 2055</td>
<td>Introduction to Virtual Computing</td>
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<td>COMP 1230*</td>
<td>Systems Analysis and Design</td>
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</tr>
<tr>
<td>Electives</td>
<td>Take seven credits from COMI, COMP, CNVT OR take one course from ACCT, BUSN, LAWS and the remaining credits from COMI, COMP, CNVT.</td>
<td>7</td>
</tr>
</tbody>
</table>

Total Certificate Credits 39

Suggested electives for Desktop Security emphasis:
COMI 1475, 2020, 2035, 2037 OR take any COMI/COMP/CNVT to total six (6) elective credits.

Suggested electives for Networking emphasis:
COMI 1800, 1840, 2020

Suggested electives for Data Analysis and Reporting emphasis:
COMI 1225, 1260

*Computer Studies Department recommends taking COMP 1230 in final semester.
Networking Concentration (CMNC)
Certificate in Computer Studies and Information Processing (CERT_COMI)

Knight Campus, Warwick only

The Networking concentration is designed for individuals who wish to acquire the training necessary to prepare them for a position in the field of computing or gain a broader knowledge of computer software and/or hardware. Certificate programs emphasize technical coursework only and do not require students to take electives that are required in the associate degree options.

**Note:** To be awarded this certificate, students must be registered as matriculating in the Computer Studies program and successfully complete all certificate courses with a grade of “C” or better. Credits earned in this certificate program may be applied toward the associate degree program. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

**RECOMMENDED COURSE SEQUENCE:**
Course sequence and prerequisites for major courses are under review. See Computer Studies department faculty for guidance.

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<td>Introduction to Windows</td>
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</tr>
<tr>
<td><em>COMI 1640</em></td>
<td>Introduction to Word Processing</td>
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<td><em>COMI 1840</em></td>
<td>Windows Server</td>
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</tr>
<tr>
<td>_COMP 1230*</td>
<td>Systems Analysis and Design</td>
<td>4</td>
</tr>
<tr>
<td>_Programming Language Elective**</td>
<td>Take three credits from programming attribute PROG (See page 23.)</td>
<td>3</td>
</tr>
<tr>
<td>_COMI/COMP/CNVT</td>
<td>Take six credits from COMI/COMP/CNVT courses (See course descriptions.)</td>
<td>6</td>
</tr>
</tbody>
</table>

**Total Certificate Credits:** 35

Suggested electives for Network Security emphasis:
COMI 2015, 2020, 2035, 2036, 2037 **OR** take any COMI/COMP/CNVT to total 17 elective credits.

*Computer Studies Department recommends taking COMP 1230 in final semester.

**Computer Studies Department recommends COMI 1150 as a prerequisite.

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**Gainful Employment Information**
Most students in this certificate program attend part-time and take two courses each semester. Therefore, the average time to complete the Networking certificate as a part-time student could be six semesters (or 36 months). Students who choose to attend full time could complete this certificate program in as few as two semesters (or 12 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/bst/comp/network-cert.html.
Office Automation Concentration (OFFA)
Certificate in Computer Studies and Information Processing (CERT_COMI)

The Office Automation concentration is available for students who visualize the office environment as paperless. This certificate program enables students to become proficient in the use of software applications to manage the corporate office. Students are taught to make the transition from the traditional approach of document processing to the systems approach of word processing in the modern office. Students also receive a strong foundation in English language skills and their application to the processing of words, followed by the use of current software and hardware to record, code, sort, calculate, summarize, store and communicate information.

Note: To be awarded this certificate, students must be registered as matriculating in the Computer Studies program and successfully complete all certificate courses with a grade of “C” or better. Credits earned in this certificate program may be applied toward an associate degree program. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:
Course sequence and prerequisites for major courses are under review. See Computer Studies department faculty for guidance.

Certificate Requirements

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<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1600</td>
<td>Business Math</td>
<td>3</td>
</tr>
<tr>
<td>ENGL</td>
<td>Literature elective</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2100</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>BUSN 2050</td>
<td>Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>COMI 1420</td>
<td>Introduction to Spreadsheets</td>
<td>1</td>
</tr>
<tr>
<td>COMI 1640</td>
<td>Introduction to Word Processing</td>
<td>1</td>
</tr>
<tr>
<td>COMI/COMP/CNVT</td>
<td>Take eight credits from COMI/COMP/CNVT courses (See course descriptions.)</td>
<td>8</td>
</tr>
</tbody>
</table>

Total Certificate Credits 31

GAINFUL EMPLOYMENT INFORMATION
Most students in this certificate program attend part time and take two courses each semester. Therefore, the average time to complete the Office Automation certificate as a part-time student could be six semesters (36 months). Students who choose to attend full time could complete this certificate program in as few as two semesters (or 12 months). For more information about the number of CCCI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/bst/comp/office-automation-cert.html.
Web Technologies Concentration (CWTC)
Certificate in Computer Studies and Information Processing (CERT_COMI)
Knight Campus, Warwick only

The Web Technologies concentration is designed for individuals who wish to pursue a career in a Web-related field and acquire the training and technical skill set that is necessary to prepare them for a career in a Web-related occupation. It is also ideal for those wishing to gain a broader knowledge of computer software and/or hardware. The certificate program emphasizes technical coursework only and does not require students to take electives that are required in the associate degree options.

Note: Students must obtain a grade of at least “C” in all computer course requirements and must maintain a 2.0 GPA. To be awarded this certificate, students must be registered as matriculating in the Computer Studies program and successfully complete all certificate courses with a grade of “C” or better. Credits earned in this certificate program may be applied toward the associate degree program. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:
Course sequence and prerequisites for major courses are under review. See Computer Studies department faculty for guidance.

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>__COMI 1100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>__COMI 1150</td>
<td>Programming Concepts</td>
<td>3</td>
</tr>
<tr>
<td>__COMI 1420</td>
<td>Introduction to Spreadsheets</td>
<td>1</td>
</tr>
<tr>
<td>__COMI 1430</td>
<td>Introduction to Database Software</td>
<td>1</td>
</tr>
<tr>
<td>__COMI 1450</td>
<td>Windows Operating System</td>
<td>3</td>
</tr>
<tr>
<td>__COMI 1750</td>
<td>HTML</td>
<td>3</td>
</tr>
<tr>
<td>__COMI 1755</td>
<td>XML Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>__COMI 1770**</td>
<td>Fundamentals of Website Development</td>
<td>3</td>
</tr>
<tr>
<td>__Programming Language Elective***</td>
<td>Take three credits from programming attribute PROG (See page 23.)</td>
<td>3</td>
</tr>
<tr>
<td>__COMP 1230*</td>
<td>Systems Analysis and Design</td>
<td>4</td>
</tr>
</tbody>
</table>

Electives Take 12 credits from COMI, COMP, CNVT
OR take one course from ACCT, BUSN, LAWS and the remaining credits from COMI, COMP, CNVT.

Total Certificate Credits 39

Suggested electives for Web Programming emphasis:
COMI 1225, 1240, 1241, 2010

Suggested electives for Web Site Development emphasis:
COMI 1971, 1973, 2050

*Computer Studies Department recommends taking COMP 1230 in final semester.
**Computer Studies Department recommends taking COMP 1150 and 1750 prior to COMP 1770.
***Computer Studies Department recommends COMI 1150 as a prerequisite.

GAINFUL EMPLOYMENT INFORMATION
Most students in this certificate program attend part time and take two courses each semester. Therefore, the average time to complete the Web Technologies certificate as a part-time student could be six semesters (or 36 months). Students who choose to attend full time could complete this certificate program in as few as two semesters (or 12 months). For more information about the number of CCCI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/bst/comp/web-tech-cert.html.
Engineering and Technology

PROGRAMS

Associate Degree Programs

Associate in Applied Science in Computer and Networking Technology
Concentrations:
- Computer Desktop Technology
- Computer Networking Technology

Associate in Science in Engineering
Concentrations:
- Biomedical
- Chemical
- Chem-Biology
- Civil
- Computer
- Electrical
- Industrial
- Mechanical
- Ocean

Associate in Science in Engineering Systems Technology Concentrations:
- CNC Manufacturing Technology
- Electrical
- Energy Utility Technology
- Mechanical

Certificate Programs

Certificate in Computer and Networking Technology
Concentrations:
- Networking Technician
- Advanced Networking Technician
- Computer Desktop Technician

Certificate in Engineering Systems Technology Concentrations:
- Introduction to CNC Manufacturing
- CNC Manufacturing and 3D-Modeling
- Energy Utility Technology

The Department of Engineering and Technology offers an array of associate degree and certificate programs to provide students with the skills and foundation for careers and advancement in engineering, engineering technology, manufacturing technology, land surveying, telecommunications and computer networking.

The Department offers four associate degree and seven related certificate programs. There are three certificates and two concentration tracks that can lead to the Computer and Networking Technology associate degree. Three certificates and four concentration tracks can lead to the Engineering Systems Technology associate degree. The Engineering Transfer associate degree transfers as the first two years of most engineering bachelor degree programs and offers nine concentration tracks.
Computer Desktop Technology Concentration (CDTO)
Computer Networking Technology Concentration (CNTO)

Associate in Applied Science Degree in Computer and Networking Technology (AAS_CNTD)

Knight Campus, Warwick only

Computers and networks continue to expand in all aspects of our personal activities to business, manufacturing, education and health care. This program provides a balanced coverage of technology fundamentals, computer hardware, computer software and networking technology. Emphasis is placed on operating principles of hardware and software, networking models, operating systems, internetworking components, and industry standards along with hands-on laboratory activities for developing practical problem-solving skills. Students develop the ability to configure and troubleshoot basic PCs, local area networks (LANs) and internetworks using routers and switches. Integrated into the program are courses that prepare students to sit for both the Cisco CCNA and the CompTIA A+. Depending on the track taken, students can sit for either the Cisco CCNP or the MCITP.

Note: Because several courses are required in all Engineering and Technology concentrations, students may transfer between concentrations fairly easily without losing much educational time. Consult with a faculty adviser in selecting electives to determine transferability. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

Transfer: A transfer agreement has been made with Johnson & Wales University. Please visit www.ccri.edu/engt for more information.

RECOMMENDED COURSE SEQUENCE:

<table>
<thead>
<tr>
<th>Desktop Technician concentration (CDTO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>First semester: ENGL 2100; CNVT 1000, 1810; COMI 1415, 1840; COMM 1100</td>
</tr>
<tr>
<td>Second semester: CNVT 1010, 1820, 1830; COMI 1100; Social Science Elective</td>
</tr>
<tr>
<td>Third semester: CNVT 1840, 2300; COMI 2020 OR 2050; MATH 1700</td>
</tr>
<tr>
<td>Fourth semester: CNVT 1200, 2310; COMI 1800; PHYS 1000; Humanities Elective; Social Science Elective</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Network Technician concentration (CNTO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>First semester: ENGL 2100; CNVT 1000, 1810; COMI 1100; Social Science Elective</td>
</tr>
<tr>
<td>Second semester: CNVT 1010, 1820, 1830; Social Science Elective</td>
</tr>
<tr>
<td>Third semester: CNVT 1840, 2200; MATH 1700; COMI 1840 AND 2020, OR COMI 1840 AND CNVT 2100, OR CNVT 1200 AND 2100</td>
</tr>
<tr>
<td>Fourth semester: Take two of the following CNVT classes: CNVT 2010, 2030 OR 2060; PHYS 1000; Humanities Elective</td>
</tr>
</tbody>
</table>

(requirements continued on next page)
### Computer Desktop Technology Concentration (CDTO)

### Computer Networking Technology Concentration (CNTO)

### Associate in Applied Science Degree in Computer and Networking Technology (AAS_CNTD) (continued)

All students in the Computer and Networking Technology program must take the courses listed in the two charts below.

#### General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2100</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1700</td>
<td>Algebra for Technology</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 1000</td>
<td>Physics for Technology</td>
<td>4</td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Oral Communication I</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Elective</td>
<td>See page 22 for complete listing of courses that meet this requirement.</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Electives</td>
<td>See page 22 for complete listing of courses that meet this requirement.</td>
<td>6</td>
</tr>
</tbody>
</table>

Total General Education Credits 22

#### Core Requirements (common to both concentrations)

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMI 1840</td>
<td>Microsoft Windows Server</td>
<td>3</td>
</tr>
<tr>
<td>COMI 2020</td>
<td>Network Security Software Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>OR CNVT 2100</td>
<td>OR Basic Voice Over Internet Protocol (VoIP)</td>
<td></td>
</tr>
<tr>
<td>CNVT 1000</td>
<td>Computer Repair A+ Hardware</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1010</td>
<td>Computer Repair A+ Software</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1200</td>
<td>Introduction to Wireless Networking</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1810*</td>
<td>Networking Technology</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1820*</td>
<td>Intermediate Networking</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1830+</td>
<td>Local Area Networking (LAN) Design and Management</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1840+</td>
<td>Wide Area Networking (WAN) Design and Configuration</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Major Core Requirements Credits 27

*For the Computer Networking Technology track, students must take seven-and-a-half week versions of these courses. +Seven-and-a-half week sections.

In addition to general education and core program requirements, students must complete courses in their chosen concentration.

#### Computer Desktop Technology Concentration Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>COMI 1415</td>
<td>Personal Computer Operating System</td>
<td>1</td>
</tr>
<tr>
<td>COMI 1800</td>
<td>Computer Networking Software</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 2300</td>
<td>Desktop Technician-Consumer</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 2310</td>
<td>Desktop Technician-Business</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Computer Desktop Technology Concentration Requirements Credits 13

Total Program Credits 62

#### Computer Networking Technology Concentration Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNVT 2200</td>
<td>Network Security Hardware</td>
<td>4</td>
</tr>
</tbody>
</table>

Complete two of the following courses:

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNVT 2010</td>
<td>Cisco CCNP Route</td>
<td>5</td>
</tr>
<tr>
<td>CNVT 2030</td>
<td>Cisco CCNP Switch</td>
<td>5</td>
</tr>
<tr>
<td>CNVT 2060</td>
<td>CCNP TSHOOT: Maintaining and Troubleshooting Cisco IP Networks</td>
<td>5</td>
</tr>
</tbody>
</table>

Total Computer Networking Technology Concentration Requirements Credits 14

Total Program Credits 63
CNC Manufacturing Technology Concentration (ETCT)
Electrical Concentration (ETET)
Energy Utility Concentration (ETPT)
Mechanical Concentration (ETMT)

**Associate in Science Degree in Engineering Systems Technology (AS_ETST)**

Knight Campus, Warwick only

Developing the skills and knowledge to support today’s complex technology requires a shift to a systems engineering approach. Systems engineering is an interdisciplinary view of complex systems that considers customer needs, product functionality, operation, performance, testing and manufacturing. This program incorporates system modeling, simulation, automation, robotics, electronics, digital systems, networking, machine design and electrical power. Emphasis is placed upon understanding the principles of electromechanical systems, automation, system control, machine design and energy systems. Students will develop skills in creative problem solving, design principles, machine programming, computer networking and system troubleshooting.

Throughout the program, students will be required to produce written reports, verbal presentations and portfolio entries; function in teams and complete a capstone project. The program is structured around a set of core technology courses and four concentration areas – electrical, mechanical, energy or manufacturing technology. The program will prepare students to be employed in a variety of technical support positions in the fields of electronics, electromechanical systems, automation, manufacturing, facility maintenance, renewable energy technologies and the energy utility industry.

Three certificates and four concentration tracks can lead to the Engineering Systems Technology associate degree. All certificate courses map to the degree concentration track with no credit loss. This gives students the opportunity to start at the certificate level, increase employment opportunities while attending classes, and work toward the associate degree on a full- or part-time basis.

**Note:** Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.
### General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1750</td>
<td>Applied Technical Mathematics I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1760</td>
<td>Applied Technical Mathematics II</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 1050</td>
<td>Physics for Technology</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1070</td>
<td>Introduction to Renewable Energy</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Electives</td>
<td>See page 22 for complete listing of courses that meet this requirement.</td>
<td>6</td>
</tr>
</tbody>
</table>

Total General Education Credits: 22

### Core Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETEE 1050</td>
<td>Introduction to Electromechanical Systems</td>
<td>3</td>
</tr>
<tr>
<td>ETEE 1800</td>
<td>Introduction to Digital Systems</td>
<td>3</td>
</tr>
<tr>
<td>ETME 1010</td>
<td>Robotics and Control</td>
<td>3</td>
</tr>
<tr>
<td>ETME 1020</td>
<td>Introduction to Manufacturing Process</td>
<td>3</td>
</tr>
<tr>
<td>ETME 2310</td>
<td>Automation Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

Total ETST Core Credits: 15

Total ETST Concentration Credits (See next page.): 27–28

Total Program Credits: 64–65
## CONCENTRATION OPTIONS – Choose one to complete concentration requirements.

### CNC Manufacturing Technology (ETCT)

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 1030</td>
<td>Engineering Graphics</td>
<td>3</td>
</tr>
<tr>
<td>ETCN 1100</td>
<td>Blueprint Reading and the Machinery’s Handbook</td>
<td>3</td>
</tr>
<tr>
<td>ETCN 1200</td>
<td>Precision Measurement and Geometric Dimensioning</td>
<td>3</td>
</tr>
<tr>
<td>ENGT 2090</td>
<td>Advanced Solid Modeling</td>
<td>3</td>
</tr>
<tr>
<td>ETCN 1300</td>
<td>CNC Manufacturing I</td>
<td>3</td>
</tr>
<tr>
<td>ETCN 2100</td>
<td>Computer-Aided Manufacturing (MasterCam)</td>
<td>3</td>
</tr>
<tr>
<td>ETCN 2200</td>
<td>CNC Machining II</td>
<td>3</td>
</tr>
<tr>
<td>ETCN 2300</td>
<td>3D-Modeling and Prototyping</td>
<td>3</td>
</tr>
<tr>
<td>ETCN 2500</td>
<td>Computer Numerical Control (Capstone)</td>
<td>4</td>
</tr>
</tbody>
</table>

Total CNC Manufacturing Technology Concentration Credits 28

### Energy Utility Technology (ETPT)

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>INST 1010</td>
<td>Introduction to Instrumentation</td>
<td>3</td>
</tr>
<tr>
<td>ETUT 1060</td>
<td>Energy Industry Safety</td>
<td>3</td>
</tr>
<tr>
<td>ETUT 1160</td>
<td>Introduction to Energy Utility Industry</td>
<td>3</td>
</tr>
<tr>
<td>ETEE 1500</td>
<td>Electrical Systems I</td>
<td>3</td>
</tr>
<tr>
<td>ETEE 1120</td>
<td>Electronic Devices and Circuits</td>
<td>3</td>
</tr>
<tr>
<td>ETEE 2390</td>
<td>Electrical Power Systems</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1810</td>
<td>Networking Technology</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1200</td>
<td>Introduction to Wireless Networks</td>
<td>3</td>
</tr>
<tr>
<td>ETUT 2500</td>
<td>Energy Industry Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Energy Utility Technology Concentration Credits 27

### Mechanical (ETMT)

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 1020</td>
<td>Introduction to Engineering and Technology</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 1030</td>
<td>Engineering Graphics</td>
<td>3</td>
</tr>
<tr>
<td>INST 1010</td>
<td>Introduction to Instrumentation</td>
<td>3</td>
</tr>
<tr>
<td>ETME 1500</td>
<td>Mechanical Systems I</td>
<td>3</td>
</tr>
<tr>
<td>ETME 1510</td>
<td>Engineering Mechanics Technology</td>
<td>3</td>
</tr>
<tr>
<td>ETME 2930</td>
<td>Industrial Materials</td>
<td>3</td>
</tr>
<tr>
<td>ETME 2500</td>
<td>Mechanical Systems II (Capstone)</td>
<td>3</td>
</tr>
<tr>
<td>ENGT 2090</td>
<td>Advanced Solid Modeling</td>
<td>3</td>
</tr>
<tr>
<td>ETCN 2300</td>
<td>3D-Modeling and Prototyping</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Mechanical Concentration Credits 27

### Total Program Credits

- **CNC Manufacturing Technology (ETCT)**: 65
- **Energy Utility Technology (ETPT)**: 64
- **Mechanical (ETMT)**: 64

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*Seven-and-a-half week courses*
Biomedical Concentration (ENBI), Chemical Concentration (ENCH)
Chem-Biology Concentration (ENBC), Civil Concentration (ENCI)
Computer Concentration (ENCM), Electrical Concentration (ENEL)
Industrial Concentration (ENIN), Mechanical Concentration (ENME)
Ocean Concentration (ENOC)

Associate in Science Degree in Engineering (ASE_ENGN)
Knight Campus, Warwick only

Successful completion of this program enables qualified students to transfer to an accredited engineering curriculum and apply most credits to a Bachelor of Science degree in engineering. This program provides a firm background in basic engineering principles. The curriculum includes

a strong foundation in mathematics, the basic sciences and engineering fundamentals, as well as a good portion of liberal arts courses required by most Bachelor of Science degrees.

Entrance to the program requires a mathematics placement examination at a pre-calculus level (student is ready to take CCRI Calculus I, MATH 1910) or the completion of CCRI Pre-calculus (MATH 1900). It is recommended that all applicants take the mathematics placement examination prior to the summer session.

For courses to transfer to accredited engineering programs, it is important that students adhere to the required prerequisites and corequisites. When in doubt, refer to the course descriptions.

Although most courses apply to the curriculum of many B.S. in engineering programs, the course sequences and schedules listed on the following pages will allow students to apply their studies toward one of nine University of Rhode Island engineering programs. These course sequences are for full-time day students, allowing them to complete the Associate in Science degree requirements at CCRI in four semesters and transfer to the University of Rhode Island as a junior. For the first semester, all engineering students take all the same courses. In all other semesters, the required courses will depend upon the desired engineering program. For most engineering programs, students are required to take courses only offered by URI. For CCRI students taking 12 or more credits, up to seven of these credits can be taken per semester at URI under the inter-institutional agreement at no additional cost. (See description of the agreement on page 31 of the catalog.)

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for detail

RECOMMENDED COURSE SEQUENCE:

<table>
<thead>
<tr>
<th>Biomedical concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First semester</strong>: CHEM 1030; ENGL 1010; ENGR 1020; MATH 1910; PHYS 1100</td>
</tr>
<tr>
<td><strong>Second semester</strong>: BIOL 1300; ENGR 2150, 2151, 2160; MATH 1920; CHE 124 (URI)</td>
</tr>
<tr>
<td><strong>Third semester</strong>: BIOL 1010; ECON 2030; ENGR 2320; MATH 2910; BME 281 (URI)</td>
</tr>
<tr>
<td><strong>Fourth semester</strong>: BIOL 1020; ENGR 2620, 2621; MATH 2990; Humanities <strong>OR</strong> Social Science Elective; BME 207 (URI)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First semester</strong>: CHEM 1030; ENGL 1010; ENGR 1020; MATH 1910; PHYS 1100</td>
</tr>
<tr>
<td><strong>Second semester</strong>: CHEM 1100; ENGR 2150, 2151, 2160; MATH 1920</td>
</tr>
<tr>
<td><strong>Third semester</strong>: CHEM 2270; ECON 2030; MATH 2910; CHE 212 (URI)</td>
</tr>
<tr>
<td><strong>Fourth semester</strong>: CHEM 2280; MATH 2990; Humanities <strong>OR</strong> Social Science Elective; CHE 272, 313, 332 (URI)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chem-Biology concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First semester</strong>: CHEM 1030; ENGL 1010; ENGR 1020; MATH 1910; PHYS 1100</td>
</tr>
<tr>
<td><strong>Second semester</strong>: BIOL 1002; CHEM 1100; ECON 2030; ENGR 2160; MATH 1920</td>
</tr>
<tr>
<td><strong>Third semester</strong>: CHEM 2270; MATH 2910; Humanities <strong>OR</strong> Social Science Elective; CHE 212 (URI)</td>
</tr>
<tr>
<td><strong>Fourth semester</strong>: BIOL 2480; MATH 2990; CHE 272, 313, 332 (URI)</td>
</tr>
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<table>
<thead>
<tr>
<th>Civil concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First semester</strong>: CHEM 1030; ENGL 1010; ENGR 1020; MATH 1910; PHYS 1100</td>
</tr>
<tr>
<td><strong>Second semester</strong>: ECON 2030; ENGR 2150, 2151, 2160; MATH 1920; General Education Elective</td>
</tr>
<tr>
<td><strong>Third semester</strong>: ENGR 2050; GEOL 1010; MATH 2910; CVE 205 (URI); ELE 220 (URI)</td>
</tr>
<tr>
<td><strong>Fourth semester</strong>: ENGR 2060, 2540; MATH 2990; Humanities <strong>OR</strong> Social Science Elective; CSC 212 (URI)</td>
</tr>
</tbody>
</table>

(Recommended course sequence continued on next page)
Associate in Science Degree in Engineering (ASE_ENGN) (continued)

**Computer concentration**

**First semester:** CHEM 1030; ENGL 1010; ENGR 1020; MATH 1910; PHYS 1100

**Second semester:** ECON 2030; ENGR 2150, 2151, 2160; MATH 1920

**Third semester:** COMI 1510; ENGR 2320, 2520; MATH 2910; General Education Elective

**Fourth semester:** ENGR 2620, 2621; MATH 2990; Humanities OR Social Science Elective; CSC 212 (URI)

**Electrical concentration**

**First semester:** CHEM 1030; ENGL 1010; ENGR 1020; MATH 1910; PHYS 1100

**Second semester:** ECON 2030; ENGR 2320; MATH 2910; PHYS 2110, 2111

**Third semester:** ENGR 2050; MATH 2990; PHYS 2110, 2111; OCE 205 (URI)

**Fourth semester:** ENGR 2060, 2540, 2620; MATH 2990; Humanities OR Social Science Elective; OCE 206 (URI)

**Industrial or Mechanical concentration**

**First semester:** CHEM 1030; ENGL 1010; ENGR 1020; MATH 1910; PHYS 1100

**Second semester:** ECON 2030; ENGR 2150, 2151, 2160; MATH 1920

**Third semester:** ENGR 1030, 2050; MATH 2910; PHYS 2110, 2111; ISE 240, 241 (URI)

**Fourth semester:** ENGR 2060, 2540, 2620; MATH 2990; Humanities OR Social Science Elective; ISE 220 (URI)

**Ocean concentration**

**First semester:** CHEM 1030; ENGL 1010; ENGR 1020; MATH 1910; PHYS 1100

**Second semester:** ECON 2030; ENGR 2150, 2151, 2160; MATH 1920; OCE 101 (URI)

**Third semester:** ENGR 2050; MATH 2910; PHYS 2110, 2111; OCE 205 (URI)

**Fourth semester:** ENGR 2060, 2540; MATH 2990; Humanities OR Social Science Elective; OCE 206 (URI)

**General Education Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>___</td>
<td>General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>___</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>___</td>
<td>Composition I</td>
<td>3</td>
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<tr>
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<td>Calculus I</td>
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<td>___</td>
<td>Calculus II</td>
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<tr>
<td>___</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>___</td>
<td>Advanced Engineering Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>___</td>
<td>Engineering Physics</td>
<td>4</td>
</tr>
<tr>
<td>___</td>
<td>Humanities OR Social Science Elective</td>
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</table>

Total General Education Credits 34

**Core Requirements** (common to all concentrations)

| ___        | Introduction to Engineering and Technology | 3       |
| ___        | Introduction to Engineering Analysis      | 2       |

Total Core Credits 5

Total Concentrations Credits (See following pages.) 24–31

Total Program Credits 63–70
### Chemical (ENCH) Concentration

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
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<tbody>
<tr>
<td>CHEM 1100</td>
<td>General Chemistry II</td>
<td>5</td>
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<tr>
<td>CHEM 2270</td>
<td>Organic Chemistry I</td>
<td>3</td>
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<td>CHEM 2280</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2150</td>
<td>Introduction to Electrical Engineering</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2151</td>
<td>Introduction to Electrical Engineering Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHE 212 (URI)</td>
<td>Chemical Process Calculations</td>
<td>3</td>
</tr>
<tr>
<td>CHE 272 (URI)</td>
<td>Introduction to Chemical Engineering Calculations</td>
<td>3</td>
</tr>
<tr>
<td>CHE 313 (URI)</td>
<td>Chemical Engineering Thermodynamics I</td>
<td>3</td>
</tr>
<tr>
<td>CHE 332 (URI)</td>
<td>Physical Metallurgy</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Chemical Concentration Credits: 27

Total Program Credits: 66

### Civil (ENCI) Concentration

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>ENGR 2050</td>
<td>Engineering Mechanics – Statics</td>
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<td>ENGR 2060</td>
<td>Engineering Mechanics – Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2150</td>
<td>Introduction to Electrical Engineering</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2151</td>
<td>Introduction to Electrical Engineering Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGR 2540</td>
<td>Mechanics of Materials for Engineering</td>
<td>3</td>
</tr>
<tr>
<td>GEOL 1010</td>
<td>General Geology</td>
<td>4</td>
</tr>
<tr>
<td>CVE 205 (URI)</td>
<td>Introduction to Civil Engineering Tools</td>
<td>2</td>
</tr>
<tr>
<td>CVE 230 (URI)</td>
<td>Mechanics of Materials Lab</td>
<td>1</td>
</tr>
<tr>
<td>ELE 220 (URI)</td>
<td>Passive and Active Circuits</td>
<td>3</td>
</tr>
<tr>
<td>General Education Elective</td>
<td>See page 22 for complete listing of courses that meet this requirement.</td>
<td>3</td>
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</table>

Total Civil Track Credits: 26

Total Program Credits: 65

### Biomedical (ENBI) Concentration

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
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<tbody>
<tr>
<td>BIOL 1010</td>
<td>Human Anatomy</td>
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<tr>
<td>BIOL 1020</td>
<td>Human Physiology</td>
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<tr>
<td>BIOL 1300</td>
<td>Orientation to Biotechnology</td>
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<tr>
<td>ENGR 2150</td>
<td>Introduction to Electrical Engineering</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2151</td>
<td>Introduction to Electrical Engineering Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGR 2320</td>
<td>Digital Electronics</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 2620</td>
<td>Linear Electrical Systems and Circuit Theory for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2621</td>
<td>Linear Circuits Lab</td>
<td>2</td>
</tr>
<tr>
<td>BME 207 (URI)</td>
<td>Introduction to Biomedical Engineering</td>
<td>3</td>
</tr>
<tr>
<td>BME 281 (URI)</td>
<td>Biomedical Engineering Seminar II</td>
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<tr>
<td>CHM 124 (URI)</td>
<td>Introduction to Organic Chemistry</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Biomedical Concentration Credits: 29

Total Program Credits: 68

### Chem-Biology (ENBC) Concentration

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>BIOL 2480</td>
<td>General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1100</td>
<td>General Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 2270</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHE 212 (URI)</td>
<td>Chemical Process Calculations</td>
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</tr>
<tr>
<td>CHE 272 (URI)</td>
<td>Introduction to Chemical Engineering Calculations</td>
<td>3</td>
</tr>
<tr>
<td>CHE 313 (URI)</td>
<td>Chemical Engineering Thermodynamics I</td>
<td>3</td>
</tr>
<tr>
<td>CHE 332 (URI)</td>
<td>Physical Metallurgy</td>
<td>3</td>
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</tbody>
</table>

Total Chem-Biology Track Credits: 31

Total Program Credits: 70

Choose one concentration option to complete requirements.
Associate in Science Degree in Engineering (ASE_ENGN) (continued)

Choose one concentration option to complete requirements.

**Computer (ENCM)**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMI 1510</td>
<td>Java Programming</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2150</td>
<td>Introduction to Electrical Engineering</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2151</td>
<td>Introduction to Electrical Engineering Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGR 2320</td>
<td>Digital Electronics</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 2520</td>
<td>Microprocessor and Microcomputers</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 2620</td>
<td>Linear Electrical Systems and Circuit Theory for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2621</td>
<td>Linear Circuits Lab</td>
<td>2</td>
</tr>
<tr>
<td>CSC 212 (URI)</td>
<td>Data Structures and Abstractions</td>
<td>4</td>
</tr>
<tr>
<td>General Education Elective</td>
<td>See page 22 for complete listing of courses that meet this requirement.</td>
<td></td>
</tr>
</tbody>
</table>

Total Computer Concentration Credits 27

**Electrical (ENEL)**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>ENGR 2150</td>
<td>Introduction to Electrical Engineering</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2151</td>
<td>Introduction to Electrical Engineering Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGR 2320</td>
<td>Digital Electronics</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 2520</td>
<td>Microprocessor and Microcomputers</td>
<td>4</td>
</tr>
<tr>
<td>ENGR 2620</td>
<td>Linear Electrical Systems and Circuit Theory for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2621</td>
<td>Linear Circuits Lab</td>
<td>2</td>
</tr>
<tr>
<td>MATH 1510</td>
<td>Scientific Programming</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 2110</td>
<td>Topics in Acoustics, Optics and Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 2111</td>
<td>Introduction to Acoustics and Optics Laboratory I</td>
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Total Electrical Concentration Credits 24

**Industrial (ENIN) or Mechanical (ENME)**

<table>
<thead>
<tr>
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<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>ENGR 1030</td>
<td>Engineering Graphics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2050</td>
<td>Engineering Mechanics – Statics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2060</td>
<td>Engineering Mechanics – Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2150</td>
<td>Introduction to Electrical Engineering</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2151</td>
<td>Introduction to Electrical Engineering Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGR 2540</td>
<td>Mechanics of Materials for Engineering</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2620</td>
<td>Linear Electrical Systems and Circuit Theory for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 2110</td>
<td>Topics in Acoustics, Optics and Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 2111</td>
<td>Introduction to Acoustics and Optics Laboratory I</td>
<td>1</td>
</tr>
<tr>
<td>ISE 220 (URI)</td>
<td>Industrial and Systems Engineering Seminar</td>
<td>1</td>
</tr>
<tr>
<td>ISE 240 (URI)</td>
<td>Manufacturing Processes and Systems</td>
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<tr>
<td>ISE 241 (URI)</td>
<td>Manufacturing Processes and Systems Lab</td>
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Total Industrial or Mechanical Concentration Credits 28

**Ocean (ENOC)**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>ENGR 2050</td>
<td>Engineering Mechanics – Statics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2060</td>
<td>Engineering Mechanics – Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2150</td>
<td>Introduction to Electrical Engineering</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 2151</td>
<td>Introduction to Electrical Engineering Lab</td>
<td>1</td>
</tr>
<tr>
<td>ENGR 2540</td>
<td>Mechanics of Materials for Engineering</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1510</td>
<td>Scientific Programming</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 2110</td>
<td>Topics in Acoustics, Optics and Thermodynamics</td>
<td>3</td>
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<tr>
<td>PHYS 2111</td>
<td>Introduction to Acoustics and Optics Laboratory I</td>
<td>1</td>
</tr>
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<td>OCE 101 (URI)</td>
<td>Introduction to Ocean Engineering</td>
<td>1</td>
</tr>
<tr>
<td>OCE 205 (URI)</td>
<td>Ocean Engineering Design Tools</td>
<td>4</td>
</tr>
<tr>
<td>OCE 206 (URI)</td>
<td>Ocean Instruments</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Ocean Concentration Credits 26

Total Program Credits 66
Networking Technician Concentration (NWTC)
Certificate in Computer and Networking Technology (CERT_CNTD)
Knight Campus, Warwick only

Networks continue to expand in all aspects of our personal activities in business, manufacturing, education and health care. This concentration provides a balanced coverage of technology fundamentals and networking technology. Emphasis is placed on operating principles, networking models, operating systems, internetworking components and industry standards, along with hands-on laboratory activities for developing practical problem-solving skills. Students develop the ability to configure local area networks (LANs) and internetworks using routers and switches. Courses that prepare the student to sit for the Cisco CCENT and CCNA exams are integrated into the program.

**Note:** All courses in this certificate program can be applied to the Computer and Networking Technology A.A.S. degree (AAS_CNTD). Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

**RECOMMENDED COURSE SEQUENCE:**

**First semester:** CNVT 1810, 1820; COMI 1840

**Second semester:** CNVT 1830, 1840; CNVT 2100 OR COMI 2020

<table>
<thead>
<tr>
<th>Certificate Requirements</th>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>COMI 1840</td>
<td>Microsoft Windows Server</td>
<td>3</td>
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<tr>
<td>CNVT 1810*</td>
<td>Networking Technology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CNVT 1820*</td>
<td>Intermediate Networking</td>
<td>3</td>
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</tr>
<tr>
<td>CNVT 1830+</td>
<td>Local Area Networking (LAN) Design and Management</td>
<td>3</td>
<td></td>
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<tr>
<td>CNVT 1840+</td>
<td>Wide Area Networking (WAN) Design and Configuration</td>
<td>3</td>
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<tr>
<td>OR COMI 2020</td>
<td>Basic Voice Over Internet Protocol (VoIP) OR Network Security Software Fundamentals</td>
<td>3</td>
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</tr>
</tbody>
</table>

**Total Certificate Credits**

18

*For the Networking Technician concentration, students must take seven-and-a-half week versions of these courses.

+Seven-and-a-half week courses
Advanced Networking Technician Concentration (NWAC)
Certificate in Computer and Networking Technology (CERT_CNTD)
Knight Campus, Warwick only

Students will learn about complex network configurations, diagnostics and troubleshooting techniques. More advanced instructions allow students to gain essential knowledge and skills used to design and implement converged, scalable and secured LANs and WANs. Courses that prepare the student to sit for the CCNP exam are integrated into this program.

Note: This certificate requires completion of the Networking Technician concentration (NWTC) prior to enrollment or permission of the department. All courses in this certificate can be applied to the Computer and Networking Technology A.A.S. degree (AAS_CNTD). Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

**Recommended Course Sequence:**
- **First semester:** CNVT 2200 AND 2010 OR 2030
- **Second Semester:** CNVT 2010 OR 2030 AND 2060

**Certificate Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>— CNVT 2200</td>
<td>Network Security: Router Security</td>
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<tr>
<td>— CNVT 2010</td>
<td>Cisco CCNP ROUTE</td>
<td>5</td>
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<tr>
<td>— CNVT 2030</td>
<td>Cisco CCNP SWITCH</td>
<td>5</td>
</tr>
<tr>
<td>— CNVT 2060</td>
<td>CCNP TSHOOT – Maintaining and Troubleshooting Cisco IP Networks</td>
<td>5</td>
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</tbody>
</table>

**Total Certificate Credits** 19

**Gainful Employment Information**
Students in this certificate program attend part time and complete it in three semesters (or 18 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit [www.ccri.edu/acadaffairs/gainful-employment/bst/engriadvance-network-cert.html](http://www.ccri.edu/acadaffairs/gainful-employment/bst/engriadvance-network-cert.html).
### Computer Desktop Technician Concentration (CDTC)

#### Certificate in Computer and Networking Technology (CERT_CNTD)

Knight Campus, Warwick only

Computers continue to expand in all aspects of our personal activities in business, manufacturing, education and health care. This program provides balanced coverage of technology fundamentals, computer hardware and computer software. Emphasis is placed on operating principles of hardware and software, networking models, operating systems, internetworking components, industry standards and hands-on laboratory activities for developing practical problem-solving skills. Students develop the ability to configure and troubleshoot basic PCs. Courses that prepare the student to sit for both the Comp TIA A+ and the MCITP exams are integrated into the program.

**Note:** All courses in this certificate program can be applied to the Computer and Networking Technology A.A.S. degree (AAS_CNTD). Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

#### Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
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<tr>
<td>CNVT 1000</td>
<td>Computer Repair A+ Hardware</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1010</td>
<td>Computer Repair A+ Software</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1200</td>
<td>Introduction to Wireless Networks</td>
<td>3</td>
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<td>CNVT 2300</td>
<td>Desktop Technician-Consumer</td>
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<td>CNVT 2310</td>
<td>Desktop Technician-Business</td>
<td>3</td>
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</tbody>
</table>

**Total Certificate Credits**

18

---

**GAINFUL EMPLOYMENT INFORMATION**

Most students in this certificate program attend part time and take three courses each semester. Therefore, the average time to complete the Computer Desktop Technician certificate as a part-time student could be three semesters (or 18 months). Students who choose to attend full time could complete this certificate program in as few as two semesters (or 12 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit [www.ccri.edu/acadaffairs/gainful-employment/bst/engr/desktop-tech-cert.html](http://www.ccri.edu/acadaffairs/gainful-employment/bst/engr/desktop-tech-cert.html).
Energy Utility Technology Concentration (ETUT)
Certificate in Engineering Systems Technology (CERT_ETST)
Knight Campus, Warwick only

This concentration program provides students with a core set of skills and competencies required by the energy industry. Coursework covers technical math, safety, AC and DC circuits and controls, the business side of the energy industry, operations and technology. Workplace readiness skills are integrated into the curriculum including critical thinking, problem solving, time management and teamwork. Hands-on training is provided through a nine-week field practicum (one day per week/eight hours per day) where students apply theoretical classroom knowledge in a real-world environment. Students are required to complete experiments with lab reports, special projects and a portfolio illustrating key learning outcomes.

At the present time, National Grid can accommodate the first 20 students accepted into the program for its practicum. All other students will be assigned an alternate practicum. This program is offered as a full-time, daytime program, starting in the fall semester. Some courses can be taken in the evening. Full-time students can complete the certificate in as little as two semesters. All credits earned for the certificate will apply towards the Engineering Systems Technology A.S. degree.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

### RECOMMENDED COURSE SEQUENCE:

**First semester:** ETEE 1050, 1800; ETUT 1060, 1160; MATH 1750

**Second semester:** ETEE 1500, 2390; ETUT 2500; PHYS 1070

### Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>ETEE 1050</em></td>
<td>Introduction to Electromechanical Systems</td>
<td>3</td>
</tr>
<tr>
<td><em>ETEE 1500</em></td>
<td>Electrical Systems I</td>
<td>3</td>
</tr>
<tr>
<td><em>ETEE 1800</em></td>
<td>Introduction to Digital Systems</td>
<td>3</td>
</tr>
<tr>
<td><em>ETEE 2390</em></td>
<td>Electrical Power Systems</td>
<td>3</td>
</tr>
<tr>
<td><em>ETUT 1060</em></td>
<td>Energy Industry Safety</td>
<td>3</td>
</tr>
<tr>
<td><em>ETUT 1160</em></td>
<td>Introduction to Energy Utility Industry</td>
<td>3</td>
</tr>
<tr>
<td><em>ETUT 2500</em></td>
<td>Energy Utility Capstone and Practicum</td>
<td>3</td>
</tr>
<tr>
<td><em>MATH 1750</em></td>
<td>Applied Technical Mathematics I</td>
<td>3</td>
</tr>
<tr>
<td><em>PHYS 1070</em></td>
<td>Introduction to Renewable Energy</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Certificate Credits**

27

### GAINFUL EMPLOYMENT INFORMATION

For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit [www.ccri.edu/acadaffairs/gainful-employment/bst/engrienergy-tech-cert.html](http://www.ccri.edu/acadaffairs/gainful-employment/bst/engrienergy-tech-cert.html).
Introduction to CNC Manufacturing Concentration (ETCI)
Certificate in Engineering Systems Technology (CERT_ETST)

Knight Campus, Warwick only

Companies are integrating computers into engineering and manufacturing environments at a rapid pace. At the heart of advanced manufacturing is CNC machining and the computer applications that support the design and manufacturing process. This program builds the basic skills and knowledge for employment opportunities in the CNC manufacturing environment. The certificate covers areas of science and mathematics as they apply to machining practices and CNC programming. Emphasis is placed on both theoretical and practical phases of the design, cost and production of machine parts.

The certificate can be completed in a summer and fall semester, or in a summer, fall and spring semester. The certificate courses are offered in the day and evening. The accelerated summer-fall version will require attending classes four days a week. Certificate completion prepares students to enroll in a second, more advanced CNC-centered certificate – CNC Manufacturing and 3D-Modeling (ETCA). The combination of the two certificates, ETCI and ETCA, can be applied toward the Engineering Systems Technology A.S. degree without a loss of credit.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE: (accelerated version)

Summer semester: ENGR 1030; ENGT 2090
Fall semester: ETME 1020; ETCN 1100, 1200, 1300

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 1030</td>
<td>Engineering Graphics</td>
<td>3</td>
</tr>
<tr>
<td>ETME 1020</td>
<td>Introduction to Manufacturing Process</td>
<td>3</td>
</tr>
<tr>
<td>ETCN 1100*</td>
<td>Blueprint Reading and the Machinery’s Handbook</td>
<td>3</td>
</tr>
<tr>
<td>ETCN 1200*</td>
<td>Precision Measurement and Geometric Dimensioning and Tolerance</td>
<td>3</td>
</tr>
<tr>
<td>ENGT 2090</td>
<td>Advanced Solid Modeling</td>
<td>3</td>
</tr>
<tr>
<td>ETCN 1300</td>
<td>CNC Machining I</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Certificate Credits 18

*Seven-and-a-half week courses

GAINFUL EMPLOYMENT INFORMATION

This program will require attending classes multiple nights a week and can take up to one full year to complete. The accelerated version of the program can be completed in one summer and one fall semester, requiring attending classes four nights per week. For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment.
CNC Manufacturing and 3D-Modeling Concentration (ETCA)

Certificate in Engineering Systems Technology (CERT_ETST)

Knight Campus, Warwick only

Note: To enroll in this certificate program, students must have successfully completed the Introduction to CNC Manufacturing concentration (ETCI). See page 104.

Today modern manufacturing depends upon the use of computers, robots, CNC and 3D-printing technology and digital technology and PLCs. This program builds on the basic skills and knowledge developed in the Introduction to CNC Manufacturing certificate (ETCI). The certificate will increase CNC programming skills and introduce the concepts of rapid prototyping, digital direct manufacturing and the use of 3D-laser scanning and 3D-printing. The courses will make extensive use of 3D-modeling with SolidWorks, tool control with G and M codes and MasterCam. Students will also develop a basic understanding of digital systems and the programming of PLCs. The final course is a capstone course, requiring 140 hours of an industry practicum or internship.

The certificate can be completed in one spring semester, or one fall and one spring semester. The accelerated one-spring semester version requires attending classes four days a week. The combination of the two certificates, ETCI and ETCA, can be applied toward the Engineering Systems Technology A.S. degree without a loss of credit.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE: (accelerated version)

Spring semester: ETCN 2100, 2200, 2300, 2500; ETEE 1800

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>ETEE 1800</td>
<td>Introduction to Digital Systems</td>
<td>3</td>
</tr>
<tr>
<td>ETCN 2300</td>
<td>3D-Modeling and Prototyping (Direct Digital Manufacturing)</td>
<td>3</td>
</tr>
<tr>
<td>ETCN 2100*</td>
<td>Computer Aided Manufacturing (MasterCam)</td>
<td>3</td>
</tr>
<tr>
<td>ETCN 2200*</td>
<td>CNC Machining II</td>
<td>3</td>
</tr>
<tr>
<td>ETCN 2500</td>
<td>Computer Numerical Control (CNC) Practicum/Capstone</td>
<td>4</td>
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</tbody>
</table>

Total Certificate Credits: 16

*Seven-and-a-half week courses

GAINFUL EMPLOYMENT INFORMATION

This program will require attending classes multiple nights a week and can take up to one full year to complete. The accelerated version of the program can be completed in one spring semester, requiring attending classes four nights per week. For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment.
Fine Arts

PROGRAMS

Associate Degree
Program Concentrations
  Art
  Theatre-Performance
  Theatre-Technical
  Jazz
  Music
**Art Concentration (ARTS)**

**Associate in Fine Arts Degree (AFA_FINE)**

The Art program is designed for both students who plan to transfer to a four-year college, university or design school and students seeking an introduction to art. The curriculum at CCRI is the equivalent of the freshman and sophomore years in many four-year bachelor’s degree programs in art or a foundation program at a design school. The art curriculum is structured as an introductory level for nonmajors, the foundation level, specialized disciplines and intermediate level.

Students enrolled in the A.F.A. degree program should work closely (beginning in the first semester) with full-time faculty members from the Art Department in selecting and sequencing courses. Students should check the transfer requirements of the four-year program for which they are preparing and retain all of their work in a portfolio.

- Students should take a balance of general education and major requirements each semester. Where possible, take courses in the order they are listed here starting with the 1000 level and moving up to the 2000 level.
- Studio courses are demanding and require extended blocks of time. See course descriptions for details.
- Complete major requirements before enrolling in any visual art elective courses.
- Do not enroll in more than one art history course per semester.

**Note:** Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

### RECOMMENDED COURSE SEQUENCE:

**First semester:** ARTS 1010, 1310; ENGL 1010; HIST 1010; Humanities, Math/Science OR Social Science Elective

**Second semester:** ARTS 1020, 1410, 1510; ENGL 2010 OR 2015 OR 1430; Digital Art course

**Third semester:** ARTS 1500, 1520; HIST 1020; Visual Arts Elective, Fine Arts Elective

**Fourth semester:** Three Visual Arts Electives, Art History course, Math/Science Elective

**Note:** Full-time students not completing 30 credits after two semesters and/or 60 credits after four semesters should enroll in summer session courses to complete the degree in two years.

### General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2010</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>OR 2015 OR 1430</td>
<td>Composition for Liberal Arts OR Creative Writing</td>
<td></td>
</tr>
<tr>
<td>HIST 1010</td>
<td>Survey of Western Civilization I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1020</td>
<td>Survey of Western Civilization II</td>
<td>3</td>
</tr>
<tr>
<td>Humanities, Math/Science OR Social Science Elective</td>
<td>See page 22 for complete list of courses that fulfill the HUMN, MSCI or SSCI attribute.</td>
<td>3</td>
</tr>
<tr>
<td>Math/Science Elective</td>
<td>See page 22 for complete list of courses that fulfill the MSCI or SSCI attribute.</td>
<td>3</td>
</tr>
<tr>
<td>Arts Elective</td>
<td>Three credits from MUSC OR THEA</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total General Education Credits**

21

### Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 1010</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1020</td>
<td>Color</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1310</td>
<td>Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1410</td>
<td>Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1500</td>
<td>Fine Art Seminar</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1510</td>
<td>Art History: Ancient to Medieval</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1520</td>
<td>Art History: Renaissance to Modern</td>
<td>3</td>
</tr>
<tr>
<td>One of the following Art History courses:</td>
<td>See the catalog for complete list of courses that fulfill the HUMN, MSCI or SSCI attribute.</td>
<td>3</td>
</tr>
<tr>
<td>ARTS 1530</td>
<td>Art History: Non Western Topics</td>
<td>3</td>
</tr>
<tr>
<td>OR ARTS 2550</td>
<td>Art History: Modern through Contemporary</td>
<td></td>
</tr>
<tr>
<td>One of the following Digital Art courses:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARTS 1840</td>
<td>Digital Art</td>
<td>3</td>
</tr>
<tr>
<td>OR ARTS 1860</td>
<td>OR Video Art</td>
<td></td>
</tr>
<tr>
<td>OR ARTS 1850</td>
<td>OR Digital Photography</td>
<td></td>
</tr>
<tr>
<td>Four (4) Visual Arts Electives</td>
<td>Select four courses from: ARTS Electives OR LIBA 1010</td>
<td>12</td>
</tr>
</tbody>
</table>

**Total Major Requirements Credits**

39

**Total Program Credits**

60
FINE ARTS

Theatre-Performance Concentration (DRAM)
Theatre-Technical Concentration (TDRA)
Associate in Fine Arts Degree (AFA_FINE)

Students who wish to major in Theatre follow a curriculum that includes a study of both fine arts and the humanities. The curriculum is flexible enough to serve both students who plan to transfer to four-year colleges or professional schools and students who wish to pursue a career in a related field.

Two curriculum sequences are available. The Performance concentration is recommended for students who wish to pursue a career as a performer. The Technical concentration is recommended for those who wish to pursue a career as a designer/technician. Either track is appropriate for those planning to transfer to a Bachelor of Fine Arts program in theatre. Students enrolled in the CCRI degree program should work closely (starting in their first semester) with an adviser from the CCRI Theatre faculty who is familiar with the program and its transfer requirements. All students must participate in the CCRI Theatre productions.

Note: Where possible, take courses in the order they appear starting with the 1000 level and moving up to the 2000 level. Take a balance between Fine Arts courses and Liberal Arts courses each semester. Theatre courses are demanding and require serious effort and time. Full-time students should take a minimum 15 to 16 credits each semester. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

For more information visit www.ccri.edu/performingarts/theatre.

RECOMMENDED COURSE SEQUENCE:
Please refer to our website: www.ccri.edu/performingarts/theatre/advising.html.

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2010</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1010</td>
<td>Survey of Western Civilization I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1020</td>
<td>Survey of Western Civilization II</td>
<td>3</td>
</tr>
<tr>
<td>MUSC Elective</td>
<td>Fine Arts Elective (Music)</td>
<td></td>
</tr>
<tr>
<td>Math/Science Elective</td>
<td>See page 22 for complete list of courses that fulfill the MSCI or SSCI attribute.</td>
<td>3</td>
</tr>
<tr>
<td>Humanities, Math/Science Elective</td>
<td>See page 22 for complete list of courses that fulfill the HUMN, MSCI or SSCI attribute.</td>
<td>3</td>
</tr>
<tr>
<td>THEA 1140</td>
<td>Acting I</td>
<td>3</td>
</tr>
<tr>
<td>THEA 1125</td>
<td>Play Analysis for Production</td>
<td>3</td>
</tr>
<tr>
<td>THEA 1130</td>
<td>Origins of Theatre</td>
<td>3</td>
</tr>
<tr>
<td>THEA 1120</td>
<td>Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>OR THEA 1180</td>
<td>OR Stage Lighting and Sound Production</td>
<td></td>
</tr>
<tr>
<td>THEA 1080</td>
<td>Introduction to Costuming</td>
<td>3</td>
</tr>
<tr>
<td>ENGL Elective</td>
<td>Theatre Arts Elective</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1270</td>
<td>Contemporary Drama</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1280</td>
<td>Dramatic Literature</td>
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</tbody>
</table>

Total General Education Credits 21

Total Major Core Requirements Credits 24

(continued on next page)
### For Performance Concentration Students

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>— COMM 1110</td>
<td>Voice and Articulation</td>
<td>3</td>
</tr>
<tr>
<td>— ARTS Elective</td>
<td>Fine Arts Elective (Art)</td>
<td>3</td>
</tr>
<tr>
<td>— THEA 2140</td>
<td>Acting II</td>
<td>3</td>
</tr>
<tr>
<td>— THEA 1160</td>
<td>Movement for Actors</td>
<td>3</td>
</tr>
<tr>
<td>— THEA 1470 OR 1480</td>
<td>Beginning Jazz Dance OR Dance I</td>
<td>1</td>
</tr>
<tr>
<td>— Fine Arts Elective</td>
<td>Music or Art Course</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>THEA 1470 – Beginning Jazz Dance (II, III, IV)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>THEA 1480 – Dance I (II, III, IV)</td>
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</table>

Total Performance Concentration Credits: 16

### For Technical Concentration Students

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>— ARTS 1520</td>
<td>Art History: Renaissance to Modern</td>
<td>3</td>
</tr>
<tr>
<td>— ENGT 1060</td>
<td>AutoCAD (Basic)</td>
<td>1</td>
</tr>
<tr>
<td>— ARTS 1010</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>— ARTS 1510</td>
<td>Art History: Ancient to Medieval</td>
<td>3</td>
</tr>
<tr>
<td>— THEA 1170</td>
<td>Makeup</td>
<td>3</td>
</tr>
<tr>
<td>— OR THEA 1120</td>
<td>OR Stagecraft</td>
<td></td>
</tr>
<tr>
<td>— OR THEA 1180</td>
<td>OR Stage Lighting and Sound Production</td>
<td></td>
</tr>
<tr>
<td>— THEA 2200</td>
<td>Theatre Graphics</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Technical Concentration Credits: 16

Total Program Credits: 61
FINE ARTS

Jazz Concentration (JAZZ)
Music Concentration (MUSC)

Associate in Fine Arts Degree (AFA_FINE)

Knight Campus, Warwick; Daytime program only

The Music program is an associate member of the National Association of Schools of Music.

The Music and Jazz concentrations prepare students for transfer to four-year colleges or universities. The two-year curriculum at CCRI is designed to provide music courses appropriate to the freshman and sophomore years in four-year bachelor’s degree programs in music and jazz studies. The CCRI program helps prepare students for careers in professional performance, private music instruction, arranging (Jazz Studies) or music education in the classroom. The studies help prepare students for transfer to four-year colleges and universities both locally and nationally.

A music major with an adviser from the Music faculty (starting in their second semester) who is familiar with the curriculum is sequential, and students enrolled in the degree program should work closely with an adviser from the Music faculty (starting in their second semester) who is familiar with the program and its transfer requirements. CCRI Music and Jazz Studies graduates have transferred successfully to four-year colleges and universities both locally and nationally.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:

Jazz concentration
First semester: MUSC 1700, 1710, 1110, 1180, applied music; ENGL 1010; HIST 1010, Humanities Elective
Second semester: MUSC 1800, 1810, 1050, 1140, 1180, applied music; HIST 1020

Music concentration
First semester: MUSC 1700, 1710, 1030 OR 1040, applied music, ensemble (MUSC 1200, 1210, or 1220); ENGL 1010
Second semester: MUSC 1800, 1810, 1140, 1180, applied music, ensemble (MUSC 1200, 1210 OR 1220); ENGL 1040 OR 2040; HIST 1010
Third semester: MUSC 2700, 2710, 1060, 1030, applied music, ensemble (MUSC 1200, 1210 OR 1220); HIST 1020; Humanities Elective
Fourth semester: MUSC 2800, 2810 OR 1030, 1130, applied music; MATH 1430; Humanities Elective

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1040</td>
<td>World Literature to 16th Century</td>
<td>3</td>
</tr>
<tr>
<td>OR ENGL 2040</td>
<td>OR World Literature from 16th Century</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Elective</td>
<td>See page 22 for complete list of courses that fulfill the HUMN attribute.</td>
<td>6</td>
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<tr>
<td>HIST 1010</td>
<td>Survey of Western Civilization I</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1020</td>
<td>Survey of Western Civilization II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1430</td>
<td>Mathematics for Liberal Arts Students</td>
<td>3</td>
</tr>
</tbody>
</table>

Total General Education Credits

21

Major Core Requirements (All students)

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 1700</td>
<td>Music Theory I (Fall only)</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 1710</td>
<td>Sight Singing and Ear Training I (Fall only)</td>
<td>1</td>
</tr>
<tr>
<td>MUSC**</td>
<td>Applied Music (4 semesters of Major Instrument/Voice 1–4 at 2 credits/semester) (Initial audition required)</td>
<td>8</td>
</tr>
<tr>
<td>MUSC 1030*</td>
<td>Voice Class (Fall only)</td>
<td>3</td>
</tr>
<tr>
<td>OR 1130*</td>
<td>OR Strings Class I (Spring only)</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 1800</td>
<td>Music Theory II (Spring only)</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 1810</td>
<td>Sight Singing and Ear Training II (Spring only)</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 1140***</td>
<td>Piano Class I</td>
<td>2</td>
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<tr>
<td>MUSC 1060</td>
<td>Music After 1750 (Fall only)</td>
<td>3</td>
</tr>
<tr>
<td>Concert Attendance†</td>
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</tr>
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</table>

Total Major Core Requirements Credits

24

*Only one of these courses is required.
**Additional fees apply for private lessons. Contact Performing Arts Department for audition information.
***Keyboard majors may substitute a music elective.
†Students attend five CCRI Music events on campus or CCRI Music field trips each semester or concerts at other nearby college/universities.

(continued on next page)
Jazz Concentration (JAZZ)
Associate in Fine Arts Degree (AFA_FINE)
Knight Campus, Warwick; Daytime program only

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSC 1110</td>
<td>Jazz History</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 1180</td>
<td>Jazz Ensemble (Four semesters – one credit each)</td>
<td>4</td>
</tr>
<tr>
<td>MUSC 2090</td>
<td>Jazz Improvisation I (Fall only)</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 2080</td>
<td>Jazz Harmony II (Spring only)</td>
<td>2</td>
</tr>
<tr>
<td>MUSC 2100</td>
<td>Jazz Improvisation II (Spring only)</td>
<td>3</td>
</tr>
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</table>

Total Jazz Concentration Credits: 17

Total Program Credits: 62

Music Concentration (MUSC)
Associate in Fine Arts Degree (AFA_FINE)
Knight Campus, Warwick; Daytime program only

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>MUSC 1200</td>
<td>Chamber Ensemble (Band)</td>
<td>4</td>
</tr>
<tr>
<td>OR MUSC 1210</td>
<td>Chorus</td>
<td></td>
</tr>
<tr>
<td>OR MUSC 1220</td>
<td>OR Chamber Singers (Four semesters required – one credit each)</td>
<td></td>
</tr>
<tr>
<td>MUSC 1050</td>
<td>Music Before 1750 (Spring only)</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 2700</td>
<td>Music Theory III (Fall only)</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 2710</td>
<td>Sight Singing and Ear Training III (Fall only)</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 2800</td>
<td>Chromatic and Modern Music Theory IV (Spring only)</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 2810</td>
<td>Sight Singing and Ear Training IV (Spring only)</td>
<td>1</td>
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</tbody>
</table>

Total Music Concentration Credits: 15

Total Program Credits: 60

Note: Requirements on this page are for the Music and Jazz concentrations, Associate in Fine Arts (A.F.A.) degree. Where possible, take courses in the order they appear starting with the 1000 level and moving up to the 2000 level. Take a balance of fine arts and humanities courses each semester. Studio courses are demanding and require additional practice, so plan accordingly. For detailed information, students should refer to www.ccri.edu/performingarts/music.
General Studies

General Studies

Associate in Arts Degree in General Studies (AA_GENS)

The degree in General Studies should enable students to demonstrate a broad understanding of the arts and sciences. Graduates should demonstrate effective communication and computational skills and possess the capacity for continued learning and logical reasoning. The program allows students the opportunity to select any instructional credit courses at CCRI for which he or she satisfies the prerequisites.

Note: Many courses required in this program are transferable to four-year colleges and universities in pursuit of a bachelor’s degree. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010*</td>
<td>Composition 1</td>
<td>3</td>
</tr>
<tr>
<td>History</td>
<td>Take three credits of HIST</td>
<td>3</td>
</tr>
<tr>
<td>Humanities**</td>
<td>See page 22 for complete list of courses that fulfill the HUMN attributes.</td>
<td>6</td>
</tr>
<tr>
<td>Literature</td>
<td>Any English literature course (LITR)</td>
<td>3</td>
</tr>
<tr>
<td>Math</td>
<td>Any MATH above 1000 level</td>
<td>3</td>
</tr>
<tr>
<td>Science</td>
<td>Take any two of the following: ASTR 1010, 1020; BIOL 1001, 1002, 1005, 1010, 1020, 1060; CHEM 1000, 1010, 1030, 1100; GEOL 1010, 1020; (OCEN 1010, 1030, both required — See course descriptions.); PHYS 1000, 1030, 1040</td>
<td>8–10</td>
</tr>
<tr>
<td>Social Science</td>
<td>See page 22 for complete list of courses that fulfill the SSCI attribute.</td>
<td>6</td>
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Total General Education Credits 32–34

Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
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</thead>
<tbody>
<tr>
<td>Electives</td>
<td>See courses from any instructional program.</td>
<td>28</td>
</tr>
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</table>

Total Program Credits 60–62

*Those required to take ENGL 1005 will then have to take ENGL 1010. (ENGL 1005 may be used as elective credit.)

**In selecting specific courses, students planning to transfer should consult a CCRI adviser and/or a transfer adviser at the college or university to which they plan to transfer.
Health Sciences

PROGRAMS

Associate Degree Programs
- Dental Hygiene
- Diagnostic Medical Sonography
- Emergency Management/
  Homeland Security
- Fire Science/Emergency
  Medical Technician (EMT)
- Histotechnology
- Medical Laboratory Technology
- Nursing
  (Previous curriculum for students enrolled prior to Fall 2016)
- Level I – Practical Nursing (Diploma)
- Level II – Associate Degree
- Nursing
  (NEW curriculum for students enrolled in Fall 2016 and after)
- Occupational Therapy Assistant
- Opticianry
- Physical Therapist Assistant
- Radiography
- Respiratory Therapy
- Therapeutic Massage

Certificate Programs
- Dental Assisting
- Emergency/Disaster Management
- Health Care Interpreter
- Homeland Security
- Magnetic Resonance Imaging
- Phlebotomy
- Renal Dialysis Technician
- Therapeutic Massage

GENERAL POLICIES

The following general policies apply to ALL Health Sciences programs. Requirements specific to a particular program are listed on the program page.

Technical Standards
Each program has developed technical standards to assist interested applicants and continuing students to understand the tasks that a person working in that job would typically be expected to perform. These standards provide a sense of the physical requirements, psychomotor skills and affective behaviors associated with a particular occupation. Standards are listed with each individual program. These are available on the department websites.

Academic Progress
For most programs, students must maintain a 2.0 GPA while in the program. Physical Therapy, Occupational Therapy and Therapeutic Massage students must achieve a grade of 75 percent in each course required by the program. Dental Hygiene students must achieve a grade of 75 percent in each didactic course required by the program. Nursing, Occupational Therapy Assistant, Physical Therapist Assistant and Opticianry students must maintain a 75 percent passing grade in each major course and maintain a 2.5 GPA to progress. Students who do not maintain the expected level of academic progress will be dismissed from the program.

Program faculty reserve the right to require withdrawal of any student from the program or to refuse reinstatement based on the student’s academic, clinical or professional performance.

Accommodation
Students in the health programs with a documented need for reasonable accommodation are encouraged to contact the Office of Disability Services for Students as early as possible. This will help ensure that reasonable accommodations are provided in a timely manner.

Admission Requirements
Official high school or GED® transcript is a component of the Health Sciences application process. Anyone with a degree from a regionally accredited higher education institution may have this requirement waived following submission of the official college transcript.

See individual programs.

Performance-Based Health Sciences Application Process
The performance-based Health Sciences application process is a competitive process that recognizes exceptional academic achievement by expediting the admissions process into the Nursing, Dental Hygiene, Dental Assisting, Allied Health, Physical Therapist Assistant, Occupational Therapy Assistant, Opticianry and Therapeutic Massage programs. Other programs listed below are part of this new admissions process and do have admissions requirements but are generally able to accept all applicants meeting these criteria. Many of these programs have limited application windows. Emergency/Disaster Management and Fire Science/EMT programs are exempt from the limited application windows and will continue accepting applications year-round. ALL students who apply to any of the Health Sciences programs EXCEPT Emergency/Disaster Management and Fire Science/Emergency Medical Technician (EMT) and are successful, will be accepted into the General Studies program to begin working on admission requirements. Students are required to have completed all admission requirements before submitting an application for a Health Sciences program under the performance-based Health Sciences application process. See www.ccri.edu/oes for application periods and instructions on how to apply.

Advanced Placement/Challenge Examinations
Applicants with previous education or experience who wish to discuss advanced standing or challenge specific courses should contact the department chair or program director for information.

Background Check
Students will be required to have a criminal background check in compliance with requirements of clinical agencies. Anyone who has been convicted of a crime may be unable to attend clinical/field experience. No incident or probation may have occurred within the past five years. Further, applicants convicted of a felony will need to comply with state licensure requirements. Selected programs may require additional background checks prior to clinical rotation. For more information, contact the respective department chair.
HEALTH SCIENCES PROGRAMS – GENERAL POLICIES (continued)

The following general policies apply to ALL Health Sciences programs. Where requirements are specific to a particular program, they are listed on the program page.

CPR Certification †
All students in CCRI Health Sciences programs must have current CPR certification, the American Heart Association Health Care Provider level, including AED, obtained through an AHA-recognized community training center. This course is available at CCRI (HEAL 0200). Students must provide proof of AHA CPR certification to the department as part of health record documentation per program policies.

Health Insurance
Students and faculty are required to obtain health insurance. Health insurance is not provided by the college or clinical agencies. Students are responsible for their own health care expenses.

Health Records †
Students accepted into the Health Sciences programs must submit complete health records to begin the clinical/technical courses. The health record requires a physical exam and specific documentation showing vaccination and immunity. See program policies for more detail on when health records are due. Students without complete health records, including titer, will not be allowed to start clinical rotations/field placements.

All students enrolled in CCRI Health Sciences programs are required to take the Hepatitis B series of three vaccinations.* Applicants are encouraged to begin the Hepatitis B series as soon as possible and provide documentation of vaccinations as they are given and show follow-up titers prior to entrance into one of the Health Sciences programs.

Individuals who disclose the presence of blood-borne infectious disease will be shown the same consideration as non-infected individuals and will be offered reasonable accommodations. Information regarding the health status of an individual is considered confidential and protected by the Family Education Rights and Privacy Act of 1974.

Occupational Titles
For more information about occupational titles, refer to the Dictionary of Occupational Titles at www.occupationalinfo.org.

Advanced Placement
Selected Health Sciences programs may have advanced placement options for eligible applicants. Additional documents may be required for verification and eligibility. Applicants deemed eligible enter a program with a specific cohort. If you are eligible for an advanced level course you will be notified to register. Space availability is not automatic because of clinical/class space constraints.

Reinstatement
Reinstatement in CCRI Health Sciences programs is not automatic. Priority is given to students in good academic standing at the time of withdrawal. Students wishing to be readmitted must meet the following criteria:

- Submit a letter of intent to the department chair and program director at least one semester prior to the requested date of re-admittance.
- Nursing students must submit a letter requesting reinstatement via email to the Scholastic Standing Committee chairperson.
- See individual programs for GPA requirements.
- Meet with the department chair and program director.
- Students who have been dismissed from a health program may request reinstatement only once. Students who are dismissed from the program for academic reasons a second time may not return to the program. Students who do not follow the recommended sequence may delay their graduation date.
- Students returning to any Health Sciences program may be required to repeat previous coursework and be approved by the Scholastic Standing Committee. (See program pages for specific reinstatement information.)
- Upon notification, student will be permitted to register.

Transportation
Students are responsible for transportation to all clinical/technical experiences both on and off campus.

Uniforms and Equipment
Students are responsible for purchasing necessary equipment and/or uniforms, if applicable.

Program Graduation
Students are responsible for completion of ALL program requirements to be eligible for graduation. This includes general education and specialty course requirements.

*Unless there are medical or religious reasons against it. Contact the department chair.
†Emergency Management/Homeland Security degree, Emergency/Disaster certificate and Homeland Security certificate students are exempt from the CPR and health records requirement for Health Sciences programs.
HEALTH SCIENCES

2016–17 PROGRAMS OF STUDY
Associate in Applied Science Degree in Dental Hygiene (AAS_DHYG)

Occupational Title: Dental Hygienist
Flanagan Campus, Lincoln only

This program is accredited by the American Dental Association, Commission on Dental Accreditation, 211 East Chicago Ave., Chicago, IL, 60611.

The dental hygienist is a licensed professional who provides primary preventive dental services to patients in a wide variety of settings. Students in this program attend lecture and laboratory classes and provide treatment in a modern, state-of-the-art dental hygiene clinic at the Flanagan Campus in Lincoln. This course of study prepares students for board examinations required for employment. Students may retake the ACCUPLACER Writing test once before completing any remedial course(s).

Technical Standards:
The physical activity (strength) level for dental hygienist (078.361-010) is classified as “light” by the Department of Labor in The Dictionary of Occupational Titles.

Note: Many courses require prerequisites and/or testing. See course descriptions at the back of the catalog for details.

CCRI also offers a Dental Assisting certificate program. See page 150.

GENERAL POLICIES
See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms and equipment.

Minimum requirements to apply to the Dental Hygiene program:

1. CCRI application – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; DHYG should be the second choice.
2. High school transcript – Send an official copy of a high school or GED® transcript, including date of graduation. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. Placement testing – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Students may retake the ACCUPLACER test once before completing any remedial course(s).

   a. Math placement test must indicate competency in MATH 0600 with a test score of 75 or above for the Algebra section, or completion of MATH 0600 - Elementary Algebra with a grade of “C” or better.
   b. English (writing) test must show readiness to take ENGL 1010 - Composition I, or applicant must have completed ENGL 1005 - College Writing with a grade of “C” or better. ENGL 1300 will not substitute for ENGL 1010.
   c. Reading comprehension test must show competency of 80 or above or students must complete ENGL 0890 - Critical Reading with a grade of “B-” or better.

4. Complete courses required for admission with a grade of “C” or better:
   – CHEM 1010 - Survey of Biomedical Chemistry (Chemistry placement testing is required prior to enrolling in CHEM 1010.)
   – DENT 1000 - Introduction to Dental Health Careers
   – BIOL 1010 - Human Anatomy
   – BIOL 1020 - Human Physiology

5. GPA – A cumulative grade point average of 2.0 or better for all college courses taken. All science courses must have earned a final course grade of “C” or better. If not, the science course(s) must be repeated.

6. Health Sciences application – Complete and submit performance-based Health Sciences application including a preadmission degree evaluation. Deadlines are listed on form.

IMPORTANT: All the above requirements must be completed satisfactorily BEFORE submission of performance-based Health Sciences application and do not guarantee acceptance to the program. Acceptance is based on students’ performance in the criteria. (Refer to explanation of criteria on Health Sciences division website.)

At the time of admission, the student must meet the current admission requirements of the program. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application for the program and meet the current admission requirements. Once accepted into the Dental Hygiene program, the student must attend a mandatory orientation conducted by the Dental Health Department.

7. Background check – Students are required to submit a background check when directed by notification from Enrollment Services. Results of BCI may prevent admission due to clinical agency requirements.

Program Requirements

- Students must complete all BIOL, CHEM, DHYG and DENT courses with a grade of “C” or better.
- A cumulative grade point average of 2.0 or better is required at the end of each semester to proceed in the program.
- General education courses in the Dental Hygiene curriculum may be taken prior to the semester recommended. BIOL 2210 must be taken prior to or during the second semester.
- Program faculty reserve the right to dismiss any student from the program or refuse reinstatement based on academic, clinical or professional performance.
- ENGL 1300 may not be substituted for ENGL 1010.
- All science courses must be completed with a grade of “C” or better or the course(s) must be repeated.

Readmission

Any student who leaves the program for any reason may apply for readmission in a subsequent year. Such application must be made by letter to the program director, and must be received by Oct. 15 or March 15 preceding the semester for which readmission is sought. Consideration for possible readmission will be by concurrence of the Dental Hygiene Readmittance Committee and the program director who will review each request individually. There is no guarantee that a student will be readmitted to the Dental Hygiene program.

A student may be readmitted to the Dental Hygiene program only once and must comply with the recommendations of the Dental Hygiene Readmittance Committee and the program director.

These recommendations may include but are not limited to:
- reinstatement on a space available basis;
- reinstatement that may include repeating any previously completed clinical courses;
- reinstatement that may include repeating or auditing any previously completed didactic courses;
- denial of reinstatement with no further consideration for readmission.
### Associate in Applied Science Degree in Dental Hygiene (AAS_DHYG) (continued)

**RECOMMENDED COURSE SEQUENCE:**

- **Preadmission requirements:** BIOL 1010, 1020; CHEM 1010; DENT 1000
- **First semester:** COMM 1100; DHYG 1010, 1020, 1030; DENT 2220; ENGL 1010
- **Second semester:** BIOL 2210; DHYG 1040, 1050, 1060, 2090; DENT 2010
- **Third semester:** DHYG 2010, 2020, 2030, 2040, 2050
- **Fourth semester:** SOCS 1010; PSYC 2010; DHYG 2045, 2060, 2070

#### Preadmission Requirements

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<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>BIOL 1010</td>
<td>Human Anatomy</td>
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<tr>
<td>BIOL 1020</td>
<td>Human Physiology</td>
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<tr>
<td>CHEM 1010</td>
<td>Survey of Biomedical Chemistry</td>
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#### General Education Requirements

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<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>BIOL 2210+</td>
<td>Introduction to Microbiology</td>
<td>4</td>
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<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
<td>3</td>
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<tr>
<td>SOCS 1010</td>
<td>General Sociology</td>
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<tr>
<td>COMM 1100</td>
<td>Oral Communication I</td>
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Total General Education Credits (including preadmission) 29

#### Major Requirements

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<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>DENT 1000*</td>
<td>Introduction to Dental Health Careers</td>
<td>2</td>
</tr>
<tr>
<td>DHYG 1010</td>
<td>Dental and Oral Anatomy</td>
<td>3</td>
</tr>
<tr>
<td>DHYG 1020</td>
<td>Dental Hygiene I</td>
<td>3</td>
</tr>
<tr>
<td>DHYG 1030</td>
<td>Clinical Dental Hygiene I</td>
<td>2</td>
</tr>
<tr>
<td>DHYG 1040</td>
<td>Oral Embryology and Histology</td>
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<td>DHYG 1050</td>
<td>Dental Hygiene II</td>
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<td>DHYG 1060</td>
<td>Clinical Dental Hygiene II</td>
<td>3</td>
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<td>DENT 2010</td>
<td>Oral Radiography</td>
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<td>DHYG 2010</td>
<td>Pathology</td>
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<td>DHYG 2020</td>
<td>Dental Hygiene III</td>
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<td>DHYG 2030</td>
<td>Clinical Dental Hygiene III</td>
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<td>DHYG 2040</td>
<td>Community Dental Health I</td>
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<td>DHYG 2050</td>
<td>Periodontics</td>
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<td>DHYG 2090</td>
<td>Pharmacology for the Dental Hygienist</td>
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<td>DHYG 2045</td>
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<td>DHYG 2070</td>
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</table>

Total Major Requirements Credits 48

Total Program Credits 77

*Course must be taken prior to admission.
+BIOL 2210 must be taken prior to or during second semester.
Echocardiography Concentration (DMSE)
General Ultrasound Concentration (DMSD)
Vascular Concentration (DMSV)

Associate in Applied Science Degree in Diagnostic Medical Sonography (AAS_DMSD)

Occupational Title: Diagnostic Medical Sonographer
Flanagan Campus, Lincoln only

The Diagnostic Medical Sonography program is accredited by the Commission on Accreditation of Allied Health Education Programs, 1361 Park St., Clearwater, FL, 33756; 727-210-2350, upon recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography, 2025 Woodlane Drive, St. Paul, MN, 55125; 651-731-1582.

Diagnostic medical sonography is a rapidly growing technology used to locate, evaluate and record pertinent anatomical, pathological and functional data to aid the physician in the diagnosis and prevention of disease. The Diagnostic Medical Sonography associate degree program is a 24-month program that begins in September. Students participate in five semesters of classroom instruction at CCRI and associated clinical education facilities to learn a wide variety of imaging techniques.

Students must select a concentration in either general ultrasound, vascular or echocardiography.

For concentration information see:
• General – Society of Diagnostic Medical Sonographers (SDMS)
• Vascular – Society of Vascular Ultrasound (SVU), www.svu.org
• Echocardiography – American Society of Echocardiography (ASE), www.asecho.org or contact Paula Cardillo, CCRI DMSD program director, pcardillo@ccri.edu

Students successfully completing the program are eligible to take the American Registry of Diagnostic Medical Sonographers (ARDMS) registry examination. Graduates of this program are prepared for entry-level employment as sonographers (ultrasonographers) in hospitals, clinics and private offices and/or for transfer to bachelor’s degree programs.

Topics covered include:
• Physiology
• Anatomy
• Imaging techniques
• Instrumentation
• Quality control
• Image evaluation
• Interpretation

Note: Many courses require prerequisites, corequisites and/or testing. See course prerequisites for details.

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms and equipment.

Minimum requirements to apply to the Diagnostic Medical Sonography program:

1. CCRI application – Complete and submit an Application for Enrollment to CCRI. General Studies should be the first choice; DMSD should be the second choice.
2. High school transcript – An official copy of a high school or GED® transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. Placement testing – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Students may NOT retake the ACCUPLACER test before completing the remedial course/courses. Note: For application purposes, ACCUPLACER testing can be waived for students who provide documentation of a bachelor’s degree or higher. Students are advised that individual departments may still require ACCUPLACER testing as a prerequisite for their courses.
4. Complete courses required for admission with a grade of “C” or better:
   - ENGL 1010 - Composition I. ENGL 1300 will not substitute for ENGL 1010.
   - MATH 1700 - Algebra for Technology. (MATH 1200, MATH 1900 and MATH 1910 also meet this requirement.)
   - PHYS 1000 - Physical Science. (PHYS 1030 also meets this requirement.)
5. Complete courses required for admission with a grade of “B-” or better:
   - BIOL 1070 - Human Anatomy and Physiology OR BIOL 1010 - Human Anatomy
6. Aptitude Examination – Take the PSB Health Occupations Aptitude Examination administered through Advising and Counseling. The exam may be taken no more than three times. (See psbtests.com.)
7. GPA – A grade point average of 2.0 or better for all college courses taken.
8. Health Sciences application – Complete and submit performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period.

IMPORTANT: Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. Acceptance is based on points earned as listed in the program acceptance criteria point system. (See www.ccri.edu/dean-hrs.) At the time of admission, students must meet the current admission requirements. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application and meet the current admission requirements. Once accepted, students must attend a mandatory orientation conducted by the Allied Health Department.

9. Background check – Students are required to submit a background check when directed by notification from Enrollment Services.

Program Requirements:
• The major requirements for this program must be taken in sequence. They are open only to students who are formally accepted into the program.
• Students must complete all courses in the program with a cumulative index of 2.0 to qualify for a certificate.
• No grade less than a “C” is acceptable in any of the technical courses (DMSD). Students receiving less than a “C” will be dismissed from the program.
• Program faculty reserve the right to require withdrawal of any student from the program or refuse reinstatement based on the student’s academic, clinical or professional performance.
RECOMMENDED COURSE SEQUENCE:

**Echo concentration students** should take courses in the following sequence:

- **Fall semester (first year):** DMSD 2100, 2220, 2245; PSYC 2010
- **Spring semester (first year):** DMSD 2210, 2260; COMM 1100
- **Summer semester:** DMSD 2261, 2263
- **Fall semester (second year):** DMSD 2262, 2264; PSYC 2030

**General Ultrasound concentration students** should take courses in the following sequence:

- **Fall semester (first year):** DMSD 2100, 2220, 2245; PSYC 2010
- **Spring semester (first year):** DMSD 2210, 2230; COMM 1100
- **Summer semester:** DMSD 2235, 2241
- **Fall semester (second year):** DMSD 2240, 2242; PSYC 2030
- **Spring semester (second year):** DMSD 2243, 2500; Literature Elective; Humanities OR Social Science Elective

**Vascular concentration students** should take courses in the following sequence:

- **Fall semester (first year):** DMSD 2100, 2220, 2245; PSYC 2010
- **Spring semester (first year):** DMSD 2210, 2250; COMM 1100
- **Summer semester:** DMSD 2251, 2253
- **Fall semester (second year):** DMSD 2252, 2254; PSYC 2030
- **Spring semester (second year):** DMSD 2255, 2500; Literature Elective; Humanities OR Social Science Elective

PREADMISSION General Education Requirements – All concentrations

*Note: These courses must be taken prior to program admission.*

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
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<tbody>
<tr>
<td>ENGL 1010</td>
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<td>3</td>
</tr>
<tr>
<td>MATH 1700</td>
<td>Algebra for Technology</td>
<td>3</td>
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<tr>
<td>OR MATH 1200</td>
<td>College Algebra</td>
<td>3</td>
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<tr>
<td>BIOL 1070</td>
<td>Human Anatomy and Physiology</td>
<td>3</td>
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<tr>
<td>OR BIOL 1010</td>
<td>OR Human Anatomy</td>
<td>3</td>
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<tr>
<td>PHYS 1000</td>
<td>Physical Science</td>
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</table>

Total Preadmission General Education Credits 13

ECHOCARDIOGRAPHY CONCENTRATION (DMSE)

Major Requirements

<table>
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<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMSD 2100</td>
<td>Patient Care</td>
<td>3</td>
</tr>
<tr>
<td>DMSD 2210</td>
<td>Sonographic Physics and Instrumentation</td>
<td>4</td>
</tr>
<tr>
<td>DMSD 2220</td>
<td>Sonographic Imaging</td>
<td>3</td>
</tr>
<tr>
<td>DMSD 2245</td>
<td>Sonographic Anatomy</td>
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<tr>
<td>DMSD 2260</td>
<td>Echocardiography I</td>
<td>4</td>
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<tr>
<td>DMSD 2261</td>
<td>Echocardiography II</td>
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<tr>
<td>DMSD 2262</td>
<td>Advanced Echocardiography</td>
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<tr>
<td>DMSD 2263</td>
<td>Echocardiography Practicum I</td>
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<td>DMSD 2264</td>
<td>Echocardiography Practicum II</td>
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<tr>
<td>DMSD 2265</td>
<td>Echocardiography Practicum III</td>
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<tr>
<td>DMSD 2500</td>
<td>Diagnostic Medical Sonography Seminar</td>
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Total Concentration Requirements Credits 37

Total Program Credits 65

(continued on next page)
### General Ultrasound Concentration (DMSD)

**Major Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>__ DMSD 2100</td>
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<td>__ DMSD 2210</td>
<td>Sonographic Physics and Instrumentation</td>
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<td>__ DMSD 2220</td>
<td>Sonographic Imaging</td>
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<tr>
<td>__ DMSD 2230</td>
<td>Abdominal Ultrasound</td>
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<tr>
<td>__ DMSD 2235</td>
<td>Ultrasound for Small Parts, Gynecology and Male Pelvis</td>
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<tr>
<td>__ DMSD 2240</td>
<td>Obstetrical Ultrasound</td>
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<tr>
<td>__ DMSD 2241</td>
<td>General Ultrasound Practicum I</td>
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<td>__ DMSD 2242</td>
<td>General Ultrasound Practicum II</td>
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<td>__ DMSD 2243</td>
<td>General Ultrasound Practicum III</td>
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<td>__ DMSD 2245</td>
<td>Sonographic Anatomy</td>
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<td>__ DMSD 2500</td>
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Total Concentration Requirements Credits 37

### Vascular Concentration (DMSV)

**Major Requirements**

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<th>COURSE TITLE</th>
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<td>__ DMSD 2220</td>
<td>Sonographic Imaging</td>
<td>3</td>
</tr>
<tr>
<td>__ DMSD 2245</td>
<td>Sonographic Anatomy</td>
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<td>__ DMSD 2250</td>
<td>Vascular Ultrasound I</td>
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<tr>
<td>__ DMSD 2251</td>
<td>Vascular Ultrasound II</td>
<td>4</td>
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<tr>
<td>__ DMSD 2252</td>
<td>Advanced Vascular Ultrasound</td>
<td>4</td>
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<td>__ DMSD 2253</td>
<td>Vascular Practicum I</td>
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<td>__ DMSD 2254</td>
<td>Vascular Practicum II</td>
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<td>__ DMSD 2255</td>
<td>Vascular Practicum III</td>
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<tr>
<td>__ DMSD 2500</td>
<td>Diagnostic Medical Sonography Seminar</td>
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</tbody>
</table>

Total Concentration Requirements Credits 37

Total Program Credits 65
The program in Emergency Management/Homeland Security is designed to provide students the core skills needed to work in the field of emergency management or homeland security. This discipline covers a broad spectrum of job opportunities in the public and private sectors. Job opportunities are in such fields as local, state and federal government; military; Department of Homeland Security; businesses; private security; public safety; hospital systems and universities. Students learn about risk assessment, terrorism, disasters, natural and man-made hazards, emergency response, incident command, emergency planning and many other aspects of emergency management and homeland security. Students who successfully complete the program earn a well-rounded degree, fulfilling both general education requirements and completing core courses that provide in-depth competencies needed to work in the field. The program finishes with a practicum and professional development course tying together acquired knowledge and skills.

**Note:** Core courses *(those listed with the code EMER or HMLS)* are only available during the evening hours with the exception of EMER 2500, which is available during the day. Not all courses are offered every semester. *(See program director or online course listing for schedule of classes.)* Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

**RECOMMENDED COURSE SEQUENCE:**

**First semester:** EMER 1000, 1020; ENGL 2100; COMM 1100; HMLS 1000

**Second semester:** EMER 1010, 1030; GEOL Elective; MATH Elective, HMLS 1010

**Third semester:** EMER 1040, 2010, 2020; CHEM 1000; Social Science Elective

**Fourth semester:** EMER 1050, 2030, 2500; CHEM 1060; HMLS 1020
## Associate in Science Degree in Emergency Management/Homeland Security (AS_EMGD) (continued)

### General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
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<tbody>
<tr>
<td>— CHEM 1000</td>
<td>Chemistry of Our Environment</td>
<td>4</td>
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<tr>
<td>— CHEM 1060</td>
<td>Hazardous Materials</td>
<td>3</td>
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<tr>
<td>— ENGL 2100</td>
<td>Technical Writing</td>
<td>3</td>
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<tr>
<td>— COMM 1100</td>
<td>Oral Communication I</td>
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**Choose one GEOL course:**

<table>
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<th>COURSE TITLE</th>
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<tbody>
<tr>
<td>— GEOL 1030</td>
<td>Natural Disasters</td>
<td>3</td>
</tr>
<tr>
<td>— OR GEOL 1040</td>
<td>OR Introduction to Geographic Information Systems</td>
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<td>— OR GEOL 1050</td>
<td>OR Urban Geology</td>
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**Choose one MATH course:**

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<tbody>
<tr>
<td>— MATH 1420</td>
<td>Introduction to College Mathematics</td>
<td>3</td>
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<tr>
<td>— OR MATH 1430</td>
<td>OR Mathematics for Liberal Arts Students</td>
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<tr>
<td>— OR MATH 1475</td>
<td>OR Statistics for Social Sciences</td>
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**Choose one Social Science course:**

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<tbody>
<tr>
<td>— POLS 1000</td>
<td>Introduction to Government and Politics</td>
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<td>— OR POLS 1030</td>
<td>OR State and Local Government</td>
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<tr>
<td>— OR SOCS 1010</td>
<td>OR General Sociology</td>
<td></td>
</tr>
<tr>
<td>— OR PSYC 2010</td>
<td>OR General Psychology</td>
<td></td>
</tr>
<tr>
<td>— OR GEOG 1010</td>
<td>OR Introduction to Geography</td>
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</table>

**Total General Education Credits** 22

### Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>— EMER 1000</td>
<td>Fundamentals of Emergency Management</td>
<td>3</td>
</tr>
<tr>
<td>— EMER 1010</td>
<td>Understanding and Responding to Terrorism</td>
<td>3</td>
</tr>
<tr>
<td>— EMER 1020</td>
<td>Bioterrorism and Public Health Emergencies</td>
<td>3</td>
</tr>
<tr>
<td>— EMER 1030</td>
<td>Disaster Response Operations and Management</td>
<td>3</td>
</tr>
<tr>
<td>— EMER 1040</td>
<td>Managing the Psychological Impact of Terrorism and Disaster</td>
<td>3</td>
</tr>
<tr>
<td>— EMER 1050</td>
<td>Disaster Training and Exercise Management</td>
<td>3</td>
</tr>
<tr>
<td>— EMER 2010</td>
<td>Disaster Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>— EMER 2020</td>
<td>Emergency Planning</td>
<td>3</td>
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<tr>
<td>— EMER 2500*</td>
<td>Practicum in Emergency Management</td>
<td>3</td>
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<tr>
<td>— HMLS 1000</td>
<td>Introduction to Homeland Security</td>
<td>3</td>
</tr>
<tr>
<td>— HMLS 1010</td>
<td>Intelligence Analysis and Risk Management</td>
<td>3</td>
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<tr>
<td>— HMLS 1020</td>
<td>Border and Transportation Security</td>
<td>3</td>
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</table>

**Total Major Requirements Credits** 39

**Total Program Credits** 61

* Criminal background check required. Results may prevent student from taking all or some of available practicums.
Heath Sciences

Associate in Applied Science Degree in Fire Science/Emergency Medical Technician (AAS_FIRE)

The Fire Science program is for individuals who are interested in or currently serving in the fire service or related fields. Graduates work for municipal fire departments or obtain positions in the fields of industrial fire safety and security, fire protection engineering technology, fire insurance inspection, investigation underwriting and ambulance services.

A balanced combination of professional and general education courses equips students with the knowledge and skills needed in this increasingly technological field. Fire protection systems and codes, tactics and strategies, hydraulics and equipment, officership and administration, and hazardous materials are studied.

Note: Not all courses are offered every semester. See department chair or semester schedule of courses. FIRE 1010 - Principles of Fire and Emergency Services, Safety and Survival and FIRE 1060 - Fire Behavior and Combustion are delivered to meet FESHE standards. However, these courses are not required as part of the degree program. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:
First semester: ENGL 1010; FIRE 1030, 1130; Social Science Elective
Second semester: ENGL 2100; FIRE 1020, 1040; MATH 1420; SOCS 1010
Third semester: CHEM 1000; COMM 1100; COMI Elective; FIRE 1050, 1090
Fourth semester: CHEM 1060; FIRE 1070, 1100, 1120; Social Science Elective

GENERAL POLICIES:
See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced standing, background check, CPR certification, health insurance, health records, reinstatement, transportation, and uniforms and equipment.

Requirements for acceptance into the Fire Science program:
1. Complete and submit a CCRI Application for Enrollment to General Studies.
2. Submit an official copy of high school or GED® transcript including the graduation date. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. Provide proof of completed Tdap vaccine and titers.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010*</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>COMM 1100*</td>
<td>Oral Communication I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2100*</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1000</td>
<td>Chemistry of our Environment</td>
<td>4</td>
</tr>
<tr>
<td>SOCS 1010</td>
<td>General Sociology</td>
<td>3</td>
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<tr>
<td>Social Science Electives</td>
<td>See page 22 for complete list of courses that fulfill the SSCI attribute.</td>
<td>6</td>
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<tr>
<td>CHEM 1060</td>
<td>Chemistry of Hazardous Materials</td>
<td>3</td>
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<tr>
<td>MATH 1420</td>
<td>Introduction to College Mathematics</td>
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Major Requirements

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<tr>
<td>COMI Elective</td>
<td>Computer Elective</td>
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<tr>
<td>FIRE 1020†</td>
<td>Fundamentals of Fire Prevention</td>
<td>3</td>
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<tr>
<td>FIRE 1030†</td>
<td>Introduction to Fire Science and Officership</td>
<td>3</td>
</tr>
<tr>
<td>FIRE 1040</td>
<td>Fire Fighting Tactics and Strategy</td>
<td>3</td>
</tr>
<tr>
<td>FIRE 1050†</td>
<td>Building Construction and Fire Codes</td>
<td>3</td>
</tr>
<tr>
<td>FIRE 1070†</td>
<td>Fire Protection Systems and Equipment</td>
<td>3</td>
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<tr>
<td>FIRE 1090</td>
<td>Fire Hydraulics and Equipment</td>
<td>3</td>
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<tr>
<td>FIRE 1100</td>
<td>Municipal Fire Administration</td>
<td>3</td>
</tr>
<tr>
<td>FIRE 1120</td>
<td>Investigations, Fire and Explosions</td>
<td>3</td>
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<tr>
<td>FIRE 1130+</td>
<td>Emergency Medical Technician – Basic</td>
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<tr>
<td>Total Major Requirements Credits</td>
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</table>

Total Program Credits 63

*Placement test required. Students must achieve a score of 75 or above. This test is permitted one time only.
+Must complete health requirements for clinical experience.
†FESHE course
**Associate in Applied Science Degree in Histotechnician (AAS_HSTO)**

**Occupational Title:** Histotechnician

**Liston Campus, Providence only**

This program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences, 5600 N. River Road., Suite 720, Rosemont, IL, 60018; 773-714-8880.

Histotechnicians are integral members of the health care team. It is the job of the histotechnician to prepare sections of human tissue from biopsy or autopsy for microscopic examination by processing and cutting tissues, mounting them on slides and staining them with special dyes for microscopic examination by a pathologist for the diagnosis of disease. Most histotechnicians work in hospital laboratories, medical research laboratories, veterinary pathology and forensic laboratories.

The CCRI Histotechnician program prepares students to enter this challenging and rewarding field and provides them with entry-level knowledge, application and problem-solving skills needed to function as active members of the health care team. Graduates of the program are eligible for:

- Employment in a hospital, crime lab, veterinary lab and public health facility.
- Transfer to a bachelor’s degree program.
- Licensure to practice in the state of Rhode Island.
- Sitting for the national certification examination for HT given by ASCP Board of Certification (BOC).

**Technical standards:** The physical activity level for Histotechnician (078.261.030) is classified as “light” by the Department of Labor in the Dictionary of Occupational Titles.

**Note:** Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

**GENERAL POLICIES:**

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms and equipment.

**Minimum requirements to apply to the Histotechnician program:**

1. **CCRI application** – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; HSTO should be the second choice.
2. **High school transcript** – An official copy of a high school or GED® transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. **Placement testing** – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Students may NOT retake the ACCUPLACER test before completing the remedial course/ courses. **Note:** For application purposes, ACCUPLACER testing can be waived for students who provide documentation of a bachelor’s degree or higher. Students are advised that individual departments may still require ACCUPLACER testing as a prerequisite for their courses.

**Reading comprehension test** must show competency of 80 or above or students must complete ENGL 0890 - Critical Reading with a grade of “B-” or better. ENGL 1300 will not substitute for ENGL 1010.

4. **Complete courses required** for admission with a grade of “C” or better:
   - BIOL 1010 - Human Anatomy
   - CHEM 1030 - General Chemistry I or permission of the department

5. **GPA** – A cumulative grade point average of 2.0 or better for all college courses taken.

6. **Aptitude Examination** – Take the PSB Health Occupations Aptitude Examination administered through Advising and Counseling. The exam may be taken no more than three times. (See psbtests.com.)

7. **Health Sciences application** – Complete and submit a performance-based Health Sciences application including a predilection degree evaluation during the open enrollment period.

**IMPORTANT:** Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. Acceptance is based on points earned as listed in the program acceptance criteria point system. (See www.ccri.edu/dean-hrs.) At the time of admission, students must meet the current admission requirements. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application and meet the current admission requirements. Once accepted, students must attend a mandatory orientation conducted by the Allied Health Department.

**Program Requirements**

- Major requirements must be taken in sequence and are open only to students who are formally accepted into the program.
- Students must be accepted to the program before taking any major requirements.
- Students must complete all courses in this program with a cumulative index of 2.0 to qualify for the Associate in Applied Science degree.
- No grade of less than “C” is acceptable in any technical course (HSTO). Students receiving less than “C” will be dismissed from the program.
- Program faculty reserve the right to require withdrawal of any student from the program or to refuse reinstatement based on the student’s academic, clinical or behavioral performance.
- Students are responsible for the purchase of books, uniforms and transportation prior to clinical assignments.
- ENGL 1300 may not be substituted for ENGL 1010.
Associate in Applied Science Degree in Histotechnician (AAS_HSTO) (continued)

RECOMMENDED COURSE SEQUENCE:
- **First semester:** BIOL 1002; ENGL 1010; HSTO 1310; MATH 1700
- **Second semester:** COMI 1100; COMM 1100; HSTO 1320
- **Third semester:** Social Science Elective; Humanities Elective; HSTO 2310
- **Fourth semester:** HSTO 2320, 2330

PREADMISSION General Education Requirements
Note: These courses must be taken prior to program admission.

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
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<tbody>
<tr>
<td>BIOL 1010</td>
<td>Human Anatomy</td>
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<tr>
<td>CHEM 1030</td>
<td>General Chemistry I</td>
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General Education Requirements

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<th>COURSE TITLE</th>
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<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
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<tr>
<td>MATH 1700</td>
<td>Algebra for Technology</td>
<td>3</td>
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<td>COMM 1100</td>
<td>Oral Communication I</td>
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<td>BIOL 1002</td>
<td>Introductory Biology: Cellular</td>
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<tr>
<td>Social Science Elective</td>
<td>See page 22 for complete list of courses that fulfill the SSCI attribute.</td>
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</tr>
<tr>
<td>Humanities Elective</td>
<td>See page 22 for complete list of courses that fulfill the HUMN attribute.</td>
<td>3</td>
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Total General Education Credits (including preadmission) 28

Major Requirements
Note: Students must be accepted into the program before taking any major requirements.

<table>
<thead>
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<th>COURSE TITLE</th>
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<tr>
<td>HSTO 1310</td>
<td>Introduction to Histology</td>
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<td>HSTO 1320</td>
<td>Histology II</td>
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<td>HSTO 2310</td>
<td>Histology III</td>
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<td>HSTO 2320</td>
<td>Histology IV</td>
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<tr>
<td>HSTO 2330</td>
<td>Histology Seminar</td>
<td>2</td>
</tr>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td>3</td>
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</tbody>
</table>

Total Major Requirements Credits 35

Total Program Credits 63
HEALTH SCIENCES

Associate in Applied Science Degree in Medical Laboratory Technology (AAS_CLAB)

OCCUPATIONAL TITLE: Medical Laboratory Technician
Flanagan Campus, Lincoln only

The Medical Laboratory Technology program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences, 5600 N. River Road, Suite 720, Rosemont, IL, 60018; 773-714-8880.

Tremendous advances in medicine have resulted in an ever-increasing demand for diagnostic laboratory tests. The complexity of laboratory sciences today requires a highly trained technici
to carry out these intricate analyses. The Medical Laboratory Technology program prepares

students to enter this interesting and rewarding field.

This program provides the classroom and laboratory preparation required for students to work under supervision in a hospital or a public or private health laboratory, performing a wide variety of blood, chemical, microbiological, immunological and other clinical laboratory tests. Students undertake three semesters of preparation at CCRI and two semesters at an affiliated site where clinical practices are performed under the supervision of qualified, registered, professional personnel. Techniques of the operation, care and maintenance of the latest equipment are emphasized throughout the clinical and academic experiences.

The Medical Laboratory Technology program prepares students as medical laboratory technicians with entry-level knowledge, application and problem-solving skills to competently and safely perform a variety of laboratory procedures and function as an active member of the health care team.

Graduates of this program are eligible for employment in a hospital, public or private health laboratory, health care clinic, veterinary office, research lab, crime lab or pharmaceutical lab, performing a wide variety of blood, chemical, microbiological, immunological and other clinical laboratory tests. They also may choose to transfer to a bachelor’s degree program at a four-year college or university.

Graduates are eligible to become licensed to practice in the state of Rhode Island and to sit for the national certification examination for MLT given by the ASCP Board of Certification (BOC).

Technical standards: The physical activity (strength) level for medical laboratory technician (078.381-014) is classified as “light” by the Department of Labor.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms and equipment.

Minimum requirements to apply to the Medical Laboratory Technology program:

1. CCRI application – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; CLAB should be the second choice.
2. High school transcript – An official copy of a high school or GED transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. Placement testing – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Students may NOT retake the ACCUPLACER test before completing the remedial course/courses. Note: For application purposes, ACCUPLACER testing can be waived for students who provide documentation of a bachelor’s degree or higher. Students are advised that individual departments may still require ACCUPLACER testing as a prerequisite for their courses.

Reading comprehension test must show competency of 80 or above and students must complete ENGL 0890 - Critical Reading with a grade of “B-” or better. ENGL 1300 will not substitute for ENGL 1010.

4. Complete courses required for admission with a grade of “C” or better:
   – BIOL 1002 - Introductory Biology: Cellular
5. Aptitude Examination – Take the PSB Health Occupations Aptitude Examination administered through Advising and Counseling. The exam may be taken no more than three times. (See psbtests.com.)
   – A cumulative grade point average of 2.0 or better for all college courses.
   – GPA – A cumulative grade point average of 2.0 or better for all college courses.
   – Health Sciences application – Complete and submit a performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period.

IMPORTANT: Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. Acceptance is based on points earned as listed in the program acceptance criteria point system. (See www.ccri.edu/dean-hrs.) At the time of admission, students must meet the current admission requirements. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application and meet the current admission requirements. Once accepted, students must attend a mandatory orientation conducted by the Allied Health Department.

8. Background check – Students are required to submit a background check when directed by notification from Enrollment Services.

Program Requirements

• Students are responsible for the purchase of books, uniforms and transportation to clinical assignments.
• Program faculty reserve the right to require withdrawal of any student from the program or to refuse reinstatement based on the student’s academic, clinical or behavioral performance.
• Students must complete all courses in this program with a cumulative index of 2.0 to qualify for the Associate in Applied Science degree.
• No grade of less than “C” is acceptable in any technical course (MLTC). Students receiving less than “C” will be dismissed from the program.
RECOMMENDED COURSE SEQUENCE:
First semester (Summer): ENGL 1010; MATH 1200 OR 1700; PSYCH 2010
Second semester (Fall): BIOL 1002; CHEM 1040; MLTC 1120, 1210
Third semester (Spring): COMI 1100; MLTC 1110, 1130, 1150, 1160, 1190
Fourth semester (Summer): MLTC 1930, 1940, 1950, 1970
Fifth semester (Fall): MLTC 2110, 2120, 2190; Social Science Elective
Sixth semester (Spring): MLTC 2910, 2920, 2930, 2990

PREADMISSION General Education Requirement
Note: This course must be taken prior to program admission.

COURSE NO. COURSE TITLE CREDITS
— BIOL 1002 Introductory Biology: Cellular 4

General Education Requirements

COURSE NO. COURSE TITLE CREDITS
— ENGL 1010 Composition I 3
— MATH 1700 Algebra for Technology 3
OR MATH 1200 OR College Algebra
— PSYC 2010 General Psychology 3
— CHEM 1030 General Chemistry I 5
— Social Science Elective See page 22 for complete list of courses that fulfill the SSCI attribute. 3

Total General Education Credits 21

Major Requirements
Unless otherwise noted in course descriptions, major requirements are open only to students who are formally accepted into the program.

COURSE NO. COURSE TITLE CREDITS
— MLTC 1210* Introduction to Clinical Laboratory Science 3
— MLTC 1110 Bacteriology 4
— MLTC 1120 Clinical Immunology/Serology 3
— MLTC 1130 Phlebotomy for Clinical Laboratory Technicians I 3
— MLTC 1150 Urinalysis 3
— MLTC 1160 Immunohematology 1
— MLTC 1190 Fundamentals of Clinical Chemistry 3
— MLTC 1930 Phlebotomy for Clinical Laboratory Technicians II (1 wk/40 hrs) 1
— MLTC 1940 Clinical Immunology/Immunohematology 4
— MLTC 1950 Clinical Urinalysis 2
— MLTC 1970 Clinical Laboratory Information Systems for CLT (2 weeks) 2
— MLTC 2110 Clinical Microbiology I 4
— MLTC 2120 Hematology 4
— MLTC 2190 Clinical Chemistry I 5
— MLTC 2910 Clinical Microbiology II 4
— MLTC 2920 Clinical Hematology 4
— MLTC 2930 Clinical Laboratory Science Seminar 2
— MLTC 2990 Clinical Chemistry II 4
— COMI 1100 Introduction to Computers 3

Total Major Requirements Credits 59

Total Program Credits 80

*This course is open to any student interested in the field of medical laboratory technology.
Nursing

Practical Nursing Diploma - P.N. – Level I (DPN_LPNU)
Associate in Science Degree in Nursing – Level II (ASN_ADNU)

Curriculum for students admitted prior to Fall of 2016.

The Practical Nursing diploma and associate degree Nursing programs are accredited by the Accreditation Commission for Education in Nursing, Inc. (ACEN), formerly the National League for Nursing Accrediting Commission, Inc., (NLNAC), 3343 Peachtree Road NE, Suite 850, Atlanta, GA, 30326; 404-975-5000.

Continuing Accreditation for Practical Nursing: Last evaluation visit: September 27–29, 2011; Next evaluation visit: Fall 2019
Continuing Accreditation for Associate Degree in Nursing: Last evaluation visit: September 27–29, 2011; Most recent action: March 2012; Next evaluation visit: Fall 2019.

The Nursing program consists of Level I (Practical Nurse Diploma) and Level II courses (A.S. Nursing). Students who complete the Practical Nursing courses receive a diploma and are eligible to take the examination for licensure as a practical nurse (LPN). Students who complete Level I and Level II receive an Associate in Science (A.S.) degree and are eligible to take the licensure examination for registered nursing (RN).

The Nursing program is offered at the Knight (Warwick), Flanagan (Lincoln), Liston (Providence) and Newport County campuses. In addition, an evening/weekend program is available at the Flanagan and Newport County campuses. Students may apply to any of these programs; however, they may not transfer between programs without department approval.

Applicants may earn credits in advance of applying for degree status but this must be done in consultation with the Office of Enrollment Services. Courses may be taken at the main campuses or satellite campuses of the Community College of Rhode Island or at any other accredited college.

Technical Standards: The physical activity (strength) level for a registered nurse (075.364-010) or a licensed practical nurse (079.374-017) is classified as “medium” by the Department of Labor in the Dictionary of Occupational Titles.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

IMPORTANT:
All requirements must be completed satisfactorily BEFORE an applicant can be offered acceptance. At the time of admission, the student must meet the current admission requirements of the program. Students declining acceptance into the program for the semester offered must reapply to the program and meet the current admission requirements. Once accepted into Nursing I, the student must attend a mandatory orientation conducted by the Nursing Department.

GENERAL POLICIES:
See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms and equipment.

Minimum requirements to apply to the Nursing program:

1. Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; NURS should be the second choice.
2. Send an official copy of the applicant’s high school or GED® transcript, including date of graduation. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Competency of 90 or above is required on the reading comprehension section. If 90 is not achieved on ACCUPLACER, ENGL 0890 - Critical Reading must be completed with a “B-” or better.
4. Demonstrate competency of MATH 0500 through a standardized test (ACCUPLACER) with a score of 65 or above for the arithmetic section. If the score is below 65, the student may retake the test. On the second attempt, if the score is below 65, the student must complete the MATH 0500 course and receive a “B-” or better.
5. Take the HESI A2 admission test: reading comprehension, vocabulary/general knowledge, math and grammar. Students must achieve a score of 75 percent in each test category. It is recommended that students do not take the HESI A2 test until they meet with Advising and Counseling and complete remediation.
6. Complete HEAL 1060 - Dosage Calculations for Medication Administration with a grade of “B-” or better.
7. Complete BIOL 1010 - Human Anatomy and BIOL 1020 - Human Physiology with a grade of “B-” or better. Human Physiology must be completed within five (5) years of entering or re-entering the Nursing program.

With the exception of those noted above, all required courses must have a grade of “C” or better.

8. Complete ENGL 1010 - Composition I with a grade of “C” or better. ENGL 1300 will not substitute for ENGL 1010.
9. Complete HEAL 1000 - Introduction to Health Careers, with a grade of “C” or better.
10. All above requirements must be completed prior to acceptance for all Nursing programs.
11. A grade point average of 2.7 or better for all prerequisite classes is required for acceptance and must be maintained until enrolled in Nursing I.
12. Complete preadmission degree evaluation.
13. Complete and submit performance-based Health Sciences application. Deadlines are listed on form.

IMPORTANT: All the above requirements must be completed satisfactorily BEFORE submission of performance-based Health Sciences application and does not guarantee acceptance. At the time of admission, the student must meet the current admission requirements of the program. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application for the program and meet the current admission requirements. Once accepted into Nursing I, the student must attend a mandatory orientation conducted by the Nursing Department.

14. Submit to a background check when directed by notification from Enrollment Services. Results of BCI may prevent admission due to clinical agencies’ requirements. Final acceptance is based on completion of all the above criteria.

(continued on next page)
Nursing

Practical Nursing Diploma - P.N. – Level I (DPN_LPNU)
Associate in Science Degree in Nursing – Level II (ASN_ADNU) (continued)

Curriculum for students admitted prior to Fall of 2016.

Program Requirements

• A cumulative grade point average of 2.7 or better is required for acceptance and must be maintained until enrolled in Nursing I. With the exception of those noted above, all required courses must have a grade of “C” or better. Human Physiology must be completed within five years of entering NURS 1010.

• A cumulative GPA of at least 2.5 is required for graduation and the awarding of an Associate of Science degree at the completion of the second level.

• A minimum cumulative average of 2.0 is required for the awarding of the Practical Nurse diploma. Students must earn at least a grade of “C” in NURS 1010 and a grade of “D” in NURS 1020. The student who receives a “D” in NURS 1020 may progress only to LPNU 1030.

• Students must maintain a passing status in the theoretical and clinical components of each Nursing course. In the event that a student fails either the theory or the clinical component of a required Nursing course, the course must be repeated in its entirety. Please note: only one Nursing course may be repeated.

• To progress to Level II (ADNU status) students must have:
  – Satisfactory clinical performance on all critical competencies of Nursing II (NURS 1020);
  – Minimum 2.5 cumulative GPA with a minimum grade of “C” in NURS 1010 and 1020;
  – Minimum grade of “C” in ADNU 2040 and ADNU 2050 is required.
  – MATH 0500 (cannot be used as credits toward the program).

Advanced Placement/Challenge Examination

• The following students may petition the Level I department chair to challenge NURS 1010 once successfully accepted into the Nursing program:
  – LPNs who have graduated from an accredited nursing program
  – Corpsmen

• To receive credit for the Nursing I (NURS 1010) challenge exam, students must have earned a grade of “pass” (75 or above) on the challenge exam.

LPN to RN Admission Policy

• Licensed practical nurses (LPN) who graduated from CCRI after 1987 may apply for acceptance into second-level Nursing ADNU. LPN applicants interested in ADNU status should contact the Nursing Level II department chair for the readmission process. Applicants who graduated more than five years prior to application must petition the Scholastic Standing Committee.

• Criteria for ADNU status:
  – Minimum grade of “C” in LPN course(s);
  – Cumulative GPA of 2.5 or better;
  – Score of 850 or higher on HESI LPN to ADN mobility test.
  – Minimum grade of “B-” in BIOL 1010 and 1020 and HEAL 1060 and a “C” in BIOL 2210;
  – BIOL 1020 - Human Physiology must be completed within five years of entering or re-entering the Nursing program.

– Upon completion of above steps, students must contact Level II department chairperson.
– Placement in Level II courses is dependent on space availability.

Reinstatement

• Reinstatement to the Nursing program is based on space availability. Priority is given to students who were in good academic standing at the time of withdrawal or have completed NURS 1030. Students returning to the Nursing program may be required to repeat previous and additional coursework and be approved by the Scholastic Standing Committee or the department chair.

• As of Fall 2014, a student is eligible to repeat only one Nursing course with the approval of the Scholastic Standing Committee.

• A student requesting to repeat a Nursing course must meet the current admissions criteria.
RECOMMENDED SEQUENCE (for preadmission courses):
First semester: BIOL 1010; ENGL 1010; HEAL 1000
Second semester: BIOL 1020; HEAL 1060

PREADMISSION Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>_BIOL 1010</td>
<td>Human Anatomy</td>
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<tr>
<td>_BIOL 1020</td>
<td>Human Physiology</td>
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<tr>
<td>_ENGL 1010</td>
<td>Composition I</td>
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</tr>
</tbody>
</table>

Total Preadmission Requirements Credits  17

RECOMMENDED SEQUENCE (for Level I, Practical Nursing students):
First semester: NURS 1010; PSYC 2010, Humanities OR Social Science Elective (optional)
Second semester: NURS 1020; BIOL 2210 (optional)
Third semester: NURS 1030 (required for Practical Nurse diploma only)

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>_PSYC 2010</td>
<td>General Psychology</td>
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Total General Education Credits (including preadmission)  14

Major Requirements

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<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>_HEAL 1000</td>
<td>Introduction to Health Careers</td>
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<tr>
<td>_HEAL 1060</td>
<td>Dosage Calculations for Medication Administration</td>
<td>3</td>
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</tbody>
</table>

Total Major Requirements Credits  33

Total Major Requirements Credits (including preadmission)  39

Total Program Credits (including all preadmission)  53

GAINFUL EMPLOYMENT INFORMATION
Most students in the Practical Nursing program attend classes full time. Therefore, the time to complete this certificate would be six semesters (or 36 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/hrs/nursing/practical-nurse.html.
### General Education Requirements

(IMPORTANT – These courses must be completed before beginning Level II Nursing.)

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>BIOL 2210</td>
<td>Introductory Microbiology</td>
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<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
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<tr>
<td>PSYC 2030</td>
<td>Developmental Psychology (PSYC 2030 is not accepted as a Humanities/Social Science elective.)</td>
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</tr>
<tr>
<td>Humanities OR</td>
<td>See page 22 for complete listing of courses</td>
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</tr>
<tr>
<td>Social Science Elective</td>
<td>that meet this requirement.</td>
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Total General Education Credits (including preadmission) 24

### Major Requirements

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<thead>
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<th>COURSE NO.</th>
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<tr>
<td>NURS 1010</td>
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<tr>
<td>NURS 1020</td>
<td>Nursing II</td>
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<tr>
<td>ADNU 2040</td>
<td>Nursing IV</td>
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<tr>
<td>ADNU 2050</td>
<td>Nursing V</td>
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</table>

Total Major Requirements Credits (including preadmission) 47

Total Level II Nursing Credits 71
Nursing
Associate in Science Degree in Nursing

NEW curriculum for students entering in Fall 2016 and after.

The associate degree in Nursing program is accredited by the Accreditation Commission for Education in Nursing, Inc. (ACEN), 3343 Peachtree Road NE, Suite 850, Atlanta, GA, 30326; 404-975-5000.

Continuing Accreditation for Associate Degree in Nursing: Last evaluation visit: September 27-29, 2011; Most recent action: March 2012; Next evaluation visit: Fall 2019.

Students who complete and receive an Associate in Science degree in Nursing are eligible to take the licensure examination for Registered Nursing (RN).

The Nursing program is offered at the Knight (Warwick), Flanagan (Lincoln), Liston (Providence) and Newport County campuses. In addition, an evening/weekend program is available at the Flanagan and Newport County campuses. Students may apply to any of these programs; however, they may not transfer between programs without department approval.

Applicants may earn credits in advance of applying for degree status but this must be done in consultation with the Office of Enrollment Services. Courses may be taken at the main campuses or satellite campuses of the Community College of Rhode Island or at any other accredited college.

Technical Standards: The physical activity (strength) level for a registered nurse (075.364-010) or a licensed practical nurse (079.374-017) is classified as “medium” by the accredited college.

Students declining acceptance into the program for the semester offered, must meet the current admission requirements. Once accepted into Nursing, the student must attend a mandatory orientation conducted by the Nursing Department.

IMPORTANT:

All requirements must be completed satisfactorily BEFORE an applicant can be offered acceptance. At the time of admission, the student must meet the current admission requirements of the program. Students declining acceptance into the program for the semester offered, must reapply to the program and meet the current admission requirements. Once accepted into Nursing, the student must attend a mandatory orientation conducted by the Nursing Department.

GENERAL POLICIES:

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms and equipment.

Minimum requirements to apply to the Nursing program:

1. Complete and submit a CCRI Application for Enrollment in General Studies with a pre-nursing concentration.
2. Send an official copy of the applicant’s high school or GED® transcript, including date of graduation. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. Complete a standardized test (ACCUPLACER) issued by CCRi’s Department of Advising and Counseling. Competency of 90 or above is required on the reading comprehension section. If 90 is not achieved on ACCUPLACER, ENGL 0890 - Critical Reading must be completed with a “B-” or better.
4. Demonstrate competency of MATH 0500 through a standardized test (ACCUPLACER) with a score of 65 or above for the arithmetic section. If the score is below 65, the student may retake one time. On the second testing, if the score is below 65, the student must complete the MATH 0500 course and receive a “B-” or better.
5. Take the HESI A2 admission test: reading comprehension, vocabulary/general knowledge, math and grammar. Students much achieve a score of 75 percent in each test category. It is recommended that students do not take the HESI A2 test until they meet with Advising and Counseling and complete remediation.
6. Complete BIOL 1010 - Human Anatomy with a grade of “B-” or better. BIOL 1020 - Human Physiology is an in-program requirement. A minimum of “B-” is required and limited to two attempts. With the exception of those noted above, all required courses must have a grade of “C” or better.
   Note: Science courses are limited to two attempts.
7. Complete ENGL 1010 - Composition I with a grade of “C” or better. ENGL 1300 will not substitute for ENGL 1010.
8. Complete PSYC 2010 - General Psychology with a grade of “C” or better.
9. All above requirements must be completed prior to acceptance for all Nursing programs.
10. A cumulative grade point average of 2.7 or better is required for acceptance and must be maintained until enrolled in NURS 1010.
11. Complete pre-admission degree evaluation.
12. Complete and submit performance-based Health Sciences application. Deadlines are listed on form.

IMPORTANT: All the above requirements must be completed satisfactorily BEFORE submission of performance-based Health Sciences application and does not guarantee acceptance. At the time of admission, the student must meet the current admission requirements of the program. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application for the program and meet the current admission requirements. Once accepted into Nursing, the student must attend a mandatory orientation conducted by the Nursing Department.

13. Submit to a background check when directed by notification from Enrollment Services. Results of BCI may prevent admission due to clinical agencies’ requirements. Final acceptance is based on completion of all the above criteria.

(continued on next page)
Nursing
Associate in Science Degree in Nursing (continued)

NEW curriculum for students entering in Fall 2016 and after.

Program Requirements
- A cumulative grade point average of 2.7 or better is required for acceptance and must be maintained until enrolled in Nursing. With the exception of those noted above, all required courses must have a grade of “C” or better.
- A cumulative GPA of at least 2.5 is required for graduation and the awarding of an Associate of Science degree.
- Students must maintain a passing status (75 or above) in the theoretical and clinical components of each Nursing course. In the event that a student fails either the theory or the clinical component of a required Nursing course, the course must be repeated in its entirety. Please note: only one Nursing course may be repeated.*
- BIOL 1020 - Human Physiology is required in semester 1 of the Nursing program. Students must achieve a grade of “B-” or better in the course. If a student does not achieve the minimum required benchmark for this course, they may not progress in the program. Students are limited to two attempts.

Note: Human Physiology BIOL 1020 grade is valid for five (5) years.

Advanced Placement/Challenge Examination
Currently under review. No Advanced Placement/Challenge Exams will be administered during the 2016–2017 academic year.

Reinstatement
- Reinstatement to the Nursing program is based on space availability. Priority is given to students who were in good academic standing at the time of withdrawal. Students returning to the Nursing program may be required to repeat previous and additional coursework and be approved by the Scholastic Standing Committee.
- A student is eligible to repeat only one Nursing course with the approval of the Scholastic Standing Committee.
- A student requesting to repeat a Nursing course must meet the current admissions criteria.

*Note: Nursing courses are graded utilizing a department specific grading policy (75=”C”).
### HEALTH SCIENCES

**Nursing**  
**Associate in Science Degree in Nursing (continued)**

NEW curriculum for students entering in Fall 2016 and after.

#### SEMESTER 1  
**Prerequisite semester**

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<td>_BIOL 1010</td>
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<td>_ENGL 1010</td>
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<td>_PSYC 2010</td>
<td>General Psychology</td>
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**Humanities OR Social Science Electives**

See page 22 for complete list of courses that fulfill the HUMN or SSCI attribute.

Total Credits 13

#### SEMESTER 2

<table>
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<td>_NURS 1010</td>
<td>Foundations of Nursing Practice</td>
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<td>_NURS 1015</td>
<td>Gerontological Nursing</td>
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<td>_NURS 1061</td>
<td>Pharmacology I</td>
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Total Credits 13

#### SEMESTER 3

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<td>Medical-Surgical Nursing 1B</td>
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<td>_NURS 1023</td>
<td>Mental Health Nursing</td>
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<td>_NURS 1062</td>
<td>Pharmacology 2</td>
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<td>_PSYC 2030</td>
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Total Credits 13

#### SEMESTER 4

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Total Credits 12

#### SEMESTER 5

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<td>_BIOL 2210</td>
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Total Credits 13

Total Prerequisite and In-Program Credits 64
HEALTH SCIENCES
Associate in Applied Science Degree in Occupational Therapy Assistant (AAS_OCTA)

Occupational Title: Occupational Therapy Assistant
Newport County Campus only
Evening/Weekend Program (Fieldwork-days)

The Occupational Therapy Assistant program at CCRI is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE). You may find out more at www.acoteonline.org or you may contact ACOTE at 4720 Montgomery Lane, Suite 200, Bethesda, MD, 20824-3449 or call 301-652-2682.

Occupational therapy is the use of purposeful activity and interventions to promote health and achieve functional outcomes in performance areas such as activities of daily living, work and productive activities, and play or leisure activities. Achieving functional outcomes means to develop, improve or restore the highest level of independence to any individual who is limited by physical injury or illness, cognitive impairment, psychosocial dysfunction, mental illness, developmental or learning disability or an adverse environmental condition. Occupational therapy helps people of all ages lead productive, satisfying lives.

The Occupational Therapy Assistant program is offered at the Newport County Campus. It is an evening/weekend program; however, fieldwork experiences are offered during the day. Although Occupational Therapy Assistant courses are offered at the Newport County Campus, the required general education courses may be taken at other CCRI campuses or sites prior to acceptance. All fieldwork courses shall be completed within 18 months following completion of the academic preparation.

Students successfully completing the accredited program earn an Associate in Applied Science degree in Occupational Therapy Assistant (AAS_OCTA) and are eligible to sit for the national certification examination for occupational therapy assistants, which is administered by the National Board for Certification in Occupational Therapy, Inc. (NBCOT). An individual must successfully pass the certification examination to apply for licensure to practice as a certified occupational therapy assistant in the state of Rhode Island.

Technical standards: The physical activity level for occupational therapy assistants is classified as “medium” by the Department of Labor in the Dictionary of Occupational Titles. Occupational therapy helps people of all ages lead productive, satisfying lives.

Minimum requirements to apply to the Occupational Therapy Assistant program:

1. CCRI application – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; OCTA should be the second choice.
2. High school transcript – Send an official copy of the applicant’s high school or GED® transcript, including date of graduation. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. Placement testing – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Competency of 75 or above is required for reading comprehension or completion of ENGL 0890 - Critical Reading with a grade of “B-” or better.
4. Complete RHAB 1100 - Foundational Kinesiology (recommended) and it may be considered in the performance-based acceptance process.
5. Complete the following courses with a grade of “C” or better:
   - BIOL 1020 - Human Physiology
   - OCTA 1000 - Introduction to Occupational Therapy
   - RHAB 1010 - Medical Terminology for Rehabilitation
   - MATH 1420 - Introduction to College Math or MATH 1200, 1210, 1430, 1470, 1475, 1550, 1560, 1670, 1680, 1700, 1710, 1900, 1910, 1920, 2910. (Highest grade earned in any of these courses will be calculated in the point system.)
   - ENGL 1010 - Composition I. ENGL 1300 will not substitute.
   - PSYC 2010 - General Psychology
   - PSYC 2030 - Developmental Psychology
   - COMM 1100 - Oral Communication I
6. Completion of BIOL 1010 - Human Anatomy with a grade of “B-” or better.
7. GPA – Earn a cumulative grade point average of 2.7 or better for all college courses taken.
8. Health Sciences application – Complete and submit performance-based Health Sciences application including a predmission degree evaluation during the open enrollment period. The application and instructions can be found at www.ccri.edu/oes/admissions/index.html.

IMPORTANT: All the above requirements must be completed satisfactorily BEFORE submission of performance-based Health Sciences application and do not guarantee acceptance to the program. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application for the program and meet the current admission requirements for the application period in which they reapply. Once accepted into the Occupational Therapy program, the student must attend a mandatory orientation conducted by the Rehabilitative Health Department.

9. Background check – Students are required to submit a background check when directed by notification from Enrollment Services. Final acceptance to the program is dependent on the results of the background check.
RECOMMENDED COURSE SEQUENCE:
First semester: RHAB 1110, 1030; OCTA 1010, 1070
Second semester: OCTA 1030, 1040, 1050, 1060, 1080
Third semester: OCTA 2010, 2020 (Summer)
Fourth semester: OCTA 2030, 2035, 2040

PREADMISSION General Education Requirements
Note: These courses must be taken prior to program admission.

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<td>PSYC 2010 General Psychology</td>
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Total Preadmission General Education Credits 23

PREADMISSION Major Requirements
Note: These courses must be taken prior to program admission.

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Total Preadmission Major Requirements Credits 3

Major Requirements
Note: Students must be accepted into the program before taking any major requirements.

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<td>RHAB 1030 Pathophysiology for Rehabilitative Health Practitioners</td>
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<td>OCTA 1040 Gerontologic Occupational Therapy</td>
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<td>OCTA 1050 Pediatric Occupational Therapy</td>
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<td>OCTA 1080 Therapeutic Activity Group Skills</td>
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<td>OCTA 2020 Physical Rehabilitation and Health</td>
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Total Major Requirements Credits 45

Total Preadmission Credits 26
Total Major Credits 45
Total Program Credits 71
Associate in Applied Science Degree in Opticianry (AAS_OPTI)

The responsibilities of dispensing opticians include the fitting and fabrication of optical frames and lenses, helping patients decide on the correct frames for their prescription, conferring with doctors on the best or needed types of lens products for a patient, and daily management of an optical practice. Opticians can work as independent practitioners, for an ophthalmologist, optometrist or for any type of business where the dispensing of eyewear is needed. Opticians also can branch into sales of frames, lenses, machinery or management.

The CCRI Opticianry program, one of only four programs located in New England, integrates classroom and laboratory preparation with clinical practice for students to learn and practice the skills and behaviors required to be an optician. Core courses include lecture, laboratory and clinical education experiences in various ophthalmic settings where students utilize skills in the clinic that were learned in the classroom, while being mentored by a preceptor who is a licensed ophthalmologist, optometrist or optician.

General education courses for the Opticianry program can be taken at any campus. Major courses in the Opticianry program are primarily offered in a distance learning format. Each course has online modules which students are required to complete independently within a specific time frame. Some onsite participation is required for course lectures and hands-on training sessions which are typically held on Saturdays or evenings for approximately three hours at a time. Clinical experiences are scheduled at optical facilities and typically run during daytime hours Monday through Saturday. The specific clinical experience schedule depends on the schedule of the clinical site and the clinical instructor to which each student is assigned.

Successful completion of the CCRI Opticianry program allows students to apply for licensure in Rhode Island and nationally and take the National Opticianry Competency Examination (NOCE) administered by the American Board of Opticianry (ABO) as well as complete a regional practical examination.

**Note:** Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

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**GENERAL POLICIES**

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms and equipment.

**Minimum requirements to apply to the Opticianry program:**

1. **CCRI application** – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; OPTI should be the the second choice.
2. **High school transcript** – Send an official copy of the applicant’s high school or GED transcript, including date of graduation. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. **ENGL 1300 will not substitute for ENGL 1010.**
4. **Placement testing** – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Competency of 75 or above is required for reading comprehension or completion of ENGL 0890 - Critical Reading with a grade of “B-” or better.
5. **Prerequisites** – Complete the following prerequisite courses with a grade of “C” or better:
   - MATH 1700 - Algebra for Technology
   - MATH 1200 - College Algebra
   May substitute MATH 1475, 1550, 1560, 1670, 1680, 1900, 1910, 1920, 2910. *(Highest grade earned in any of these courses will be calculated in the point system.)*
6. **GPA** – Earn a cumulative grade point average of 2.0 or better for all college courses taken.
7. **Health Sciences application** – Complete and submit performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period.

The application and instructions can be found at [www.ccri.edu/oes/admissions/index.html](http://www.ccri.edu/oes/admissions/index.html).

**IMPORTANT:** All the above requirements must be completed satisfactorily BEFORE submission of performance-based Health Sciences application and do not guarantee acceptance to the program. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application for the program and meet the current admission requirements for the application period in which they reapply. Once accepted into the Opticianry program, the student must attend a mandatory orientation conducted by the Rehabilitation Health Department.

8. **Background check** – Students are required to submit a background check when directed by notification from Enrollment Services. Final acceptance to the program is dependent on the results of the background check.
Associate in Applied Science Degree in Opticianry (AAS_OPTI) (continued)

RECOMMENDED COURSE SEQUENCE:

First semester (Fall): OPTI 1010, 1020, 1030, 1040; MATH 1710 OR 1210
Second semester (Spring): OPTI 1050, 1060, 1070, 1080; BIOL 1070
Third semester (Summer): OPTI 2050, 2070, 2030; COMM 1100
Fourth semester (Fall): OPTI 2010, 2040, 2060; PSYC 1050; ENGL 1010
Fifth semester (Spring): OPTI 2050, 2070, 2030; COMM 1100

PREADMISSION General Education Requirements
Note: These courses must be taken prior to program admission.

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General Education Requirements

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<td>PSYC 1050</td>
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Total General Education Credits (including preadmission) 21

Major Requirements
Note: Students must be accepted into the program before taking any major requirements.

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Total Major Requirements Credits 45

Total Program Credits 66
HEALTH SCIENCES

Associate in Applied Science Degree in Physical Therapist Assistant (AAS_PHTA)

Occupational Title: Physical Therapist Assistant
Newport County Campus only

The Physical Therapist Assistant program is accredited by the Commission on Accreditation of Physical Therapy Education of the American Physical Therapy Association, 1111 North Fairfax St., Alexandria, VA, 22314.

Physical therapist assistants work under the supervision of a physical therapist utilizing prescribed activities to help patients recover physical function lost through disease, injury or other causes, and to relieve pain and promote healing. Licensed physical therapist assistants work in public or private hospitals, clinics, school systems or other health agencies.

The Physical Therapist Assistant program is a full-time, day program. It consists of a variety of courses that includes physical therapy theory and practice as well as supporting courses from general education.

Students who successfully complete this program are eligible to take the licensure examination for physical therapist assistants.

Technical standards: The physical activity level for the physical therapist assistant is classified as “medium” by the Department of Labor in the Dictionary of Occupational Titles.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms and equipment.

Minimum requirements to apply to the Physical Therapist Assistant program:

1. CCRI application – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; PHTA should be the second choice.
2. High school transcript – Send an official copy of the applicant’s high school or GED® transcript, including date of graduation. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. Placement testing – Must earn English placement test results (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling that show readiness to take ENGL 1010 - Composition I or the applicant must have completed ENGL 1005 - College Writing with a grade of “C” or better. ENGL 1300 will not substitute for ENGL 1010.
4. Placement testing – Demonstrate competency at MATH 1420 level by placing into MATH 1420 through the standardized test (ACCUPLACER) or completion of MATH 0500 with a “C” or better. The following courses will substitute for MATH 1420: MATH 1200, 1210, 1430, 1470, 1475, 1550, 1560, 1670, 1680, 1700, 1710, 1900, 1910, 1920, 2910. (Highest grade earned in any of these courses will be calculated in the point system.)
5. Placement testing – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Competency of 75 or above is required for reading comprehension or completion of ENGL 0890 - Critical Reading with a grade of “B-” or better.
6. Complete RHAB 1100 - Foundational Kinesiology (recommended) and it may be considered in the performance-based acceptance process.
7. Complete the following courses with a grade of “B-” or better:
   – BIOL 1010 - Human Anatomy
   – PHTA 1000 - Introduction to the Physical Therapist Assistant
   – RHAB 1010 - Medical Terminology for Rehabilitation
8. GPA – Earn a cumulative grade point average of 2.7 or better for all college courses taken.
9. Health Sciences application – Complete and submit performance-based Health Sciences application including a pre-admission degree evaluation during the open enrollment period. The application and instructions can be found at www.ccri.edu/oes/admissions/index.html.

IMPORTANT: All the above requirements must be completed satisfactorily BEFORE submission of performance-based Health Sciences application and do not guarantee acceptance to the program. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application for the program and meet the current admission requirements for the application period in which they reapply. Once accepted into Physical Therapist Assistant program, the student must attend a mandatory orientation conducted by the Rehabilitative Health Department.

8. Background check – Students are required to submit a background check when directed by notification from Enrollment Services. Final acceptance to the program is dependent on the results of the background check.
### Associate in Applied Science Degree in Physical Therapist Assistant (AAS_PHTA) (continued)

#### RECOMMENDED COURSE SEQUENCE:
- **Semester 1**: RHAB 1110; PHTA 1010, 1120; and BIOL 1020
- **Semester 2**: RHAB 1030; PHTA 1020; ENGL 1010; COMM 1100; MATH 1420
- **Semester 3**: PHTA 2910; PSYC 2030
- **Semester 4**: PHTA 2010, 2920; PSYC 2030
- **Semester 5**: PHTA 2020, 2930, 2040

#### PREADMISSION General Education Requirements
*Note: These courses must be taken prior to program admission.*

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**Total General Education Credits (including preadmission)** 23

#### PREADMISSION Major Requirements
*Note: These courses must be taken prior to program admission.*

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#### Major Requirements
*Note: Students must be accepted into the program before taking any major requirements.*

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**Total Major Requirements Credits (including preadmission)** 48

**Total Program Credits** 69–71

*40 hours of clinical education for six weeks for a total of 240 hours for PHTA 2910, 2920 and 2930.
+Students are strongly encouraged to take RHAB 1110 in the summer semester prior to entering the program.
^PHTA 1220 is an optional support course for PHTA 2010 and PHTA 2910, and can be taken in the second semester.
^^PHTA 2030 – Physical Therapy for Impaired Neuro Function, an optional support course for PHTA 2020, can be taken in the fifth semester to achieve full-time status.
HEALTH SCIENCES

Associate in Applied Science Degree in Radiography (AAS_XRAY)

Occupational Title: Radiologic Technologist
Flanagan Campus, Lincoln only

The Radiography program offered by the community college is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 North Wacker Drive, Suite 2850, Chicago, IL, 60606; 312-704-5300.

This is a 24-month program that begins in June. Students enrolled in the program participate in six semesters of classroom instruction at the college and clinical education at imaging facilities affiliated with the program. Students should apply in February during the open application period for the Health Sciences programs.

Students successfully completing the program are eligible to take the American Registry of Radiologic Technologists examination. Graduates of this program are prepared for entry-level employment as radiographers in hospitals, clinics and private offices. Radiographers are licensed in the state of Rhode Island.

Technical standards can be accessed through the Radiography program Web page at www.ccri.edu/alliedhealth/radiography.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms and equipment.

Minimum requirements to apply to the Radiography program:

1. CCRl application – Complete and submit a CCRl Application for Enrollment. General Studies should be the first choice; XRAY should be the second choice.
2. High school transcript – An official copy of a high school or GED® transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. Placement testing – Complete a standardized test (ACCUPLACER) issued by CCRl’s Department of Advising and Counseling. Students may NOT retake the ACCUPLACER test before completing the remedial course/courses. Note: For application purposes, ACCUPLACER testing can be waived for students who provide documentation of a bachelor’s degree or higher. Students are advised that individual departments may still require ACCUPLACER testing as a prerequisite for their courses.

Reading comprehension test must show competency of 80 or above or students must complete ENGL 0890 - Critical Reading with a grade of “B-” or better.

4. Complete courses required for admission with a grade of “C” or better:
   – ENGL 1010 - Composition I. ENGL 1300 will not substitute for ENGL 1010.
   – MATH 1700 - Algebra for Technology (MATH 1200, 1900 and 1910 also meet this requirement.)
   – XRAY 1000 - Introduction to Radiography
5. GPA – A cumulative grade point average of 2.0 or better for all college courses taken.
6. Aptitude Examination – Take the PSB Health Occupations Aptitude Examination administered through Advising and Counseling. The exam may be taken no more than three times. (See psbtests.com.)
7. Health Sciences application – Complete and submit a performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period.

IMPORTANT: Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. Acceptance is based on points earned as listed in the program acceptance criteria point system. (See www.ccri.edu/dean-hrs.) At the time of admission, students must meet the current admission requirements. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application and meet the current admission requirements. Once accepted, students must attend a mandatory orientation conducted by the Allied Health Department.

8. Background check – Students are required to submit a background check when directed by notification from Enrollment Services.

Program Requirements

• Students must complete all courses in this program with a cumulative GPA index of 2.0 to qualify for the Associate in Applied Science degree.
• No grade less than “C” is acceptable in any of the technical courses (XRAY); students receiving less than “C” will be dismissed from the program.
• Program faculty reserve the right to require withdrawal of any student from the program or to refuse reinstatement based on the student’s academic, clinical or professional performance.
### Associate in Applied Science Degree in Radiography (AAS_XRAY) (continued)

**RECOMMENDED COURSE SEQUENCE:**
- **First semester:** XRAY 1010, 1110
- **Second semester:** PSYC 2010; XRAY 1130, 1220, 1230, 1910
- **Third semester:** XRAY 1920, 2430; PHYS 1110
- **Fourth semester:** XRAY 1930
- **Fifth semester:** Literature elective; COMI 1100; XRAY 2340, 2460, 2910
- **Sixth semester:** 2 Humanities OR Social Science electives, XRAY 2410, 2470, 2920; MLTC 1180

**PREADMISSION General Education Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>— MATH 1200</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>— OR MATH 1700</td>
<td>OR Algebra for Technology</td>
<td></td>
</tr>
<tr>
<td>— ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
</tbody>
</table>

**General Education Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>— PSYC 2010</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>— ENGL</td>
<td>Literature elective</td>
<td>3</td>
</tr>
<tr>
<td>— Humanities OR Social Science Electives</td>
<td>See page 22 for complete list of courses that fulfill the HUMN or SSCI attribute.</td>
<td>6</td>
</tr>
<tr>
<td>— PHYS 1110</td>
<td>Radiographic Physics</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total General Education Credits (including preadmission)** 22

**PREADMISSION Major Requirement**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>— XRAY 1000</td>
<td>Introduction to Radiography</td>
<td>3</td>
</tr>
</tbody>
</table>

**Major Requirements**

*Note: Students must be accepted into the program before taking any major requirements (except XRAY 1000).*

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>— XRAY 1010</td>
<td>Clinical Radiography</td>
<td>3</td>
</tr>
<tr>
<td>— XRAY 1110</td>
<td>Principles of Radiography I</td>
<td>3</td>
</tr>
<tr>
<td>— XRAY 1220</td>
<td>Principles of Radiography II</td>
<td>3</td>
</tr>
<tr>
<td>— XRAY 1130</td>
<td>Radiographic Anatomy and Physiology</td>
<td>3</td>
</tr>
<tr>
<td>— XRAY 1910</td>
<td>Radiography I</td>
<td>6</td>
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<tr>
<td>— XRAY 1230</td>
<td>Patient Care for Radiographers</td>
<td>1</td>
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<tr>
<td>— XRAY 2430</td>
<td>Sectional Imaging</td>
<td>3</td>
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<tr>
<td>— XRAY 1920</td>
<td>Radiography II</td>
<td>7</td>
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<tr>
<td>— XRAY 1930</td>
<td>Radiography III</td>
<td>6</td>
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<tr>
<td>— XRAY 2340</td>
<td>Quality Assurance in Radiography</td>
<td>1</td>
</tr>
<tr>
<td>— XRAY 2460</td>
<td>Applied Radiographic Physics and Technique</td>
<td>3</td>
</tr>
<tr>
<td>— XRAY 2910</td>
<td>Radiography IV</td>
<td>6</td>
</tr>
<tr>
<td>— XRAY 2410</td>
<td>Introduction to Radiation Biology</td>
<td>3</td>
</tr>
<tr>
<td>— XRAY 2470</td>
<td>Radiographic Pathology</td>
<td>1</td>
</tr>
<tr>
<td>— XRAY 2920</td>
<td>Radiography V</td>
<td>4</td>
</tr>
<tr>
<td>— MLTC 1180</td>
<td>Specimen Collection and Handling for Health Care Professionals (5 weeks)</td>
<td>1</td>
</tr>
<tr>
<td>— COMI 1100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Major Requirement Credits (including preadmission)** 60

**Total Program Credits** 82
HEALTH SCIENCES

Associate in Applied Science Degree in Respiratory Therapy (AAS_RESP)

Occupational Title: Respiratory Therapist
Flanagan Campus, Lincoln only

Program accredited by the Commission on Accreditation for Respiratory Care (CoARC), 1248 Harwood Road,., Bedford, TX, 76021; 817-283-2835; www.coarc.com. Programmatic outcomes data www.coarc.com/47.html.

Respiratory therapy is an allied health profession in which respiratory therapists work under the direction of a physician to evaluate, treat and care for patients with breathing disorders. This two-year program incorporates college classes with clinical practice. Students learn fundamental respiratory care concepts and to perform procedures with attention to critical detail while maintaining aseptic technique and appropriate safety precautions.

The program offers students clinical training in a variety of settings, including neonatology, pediatrics, pulmonary function, clinic and home care.

Graduates of the Respiratory Therapy program are eligible to sit for the National Board for Respiratory Care (NBRC) Entry Level (CRT) credentialing examination (requirement for state licensing) and the National Board for Respiratory Care (NBRC) Advanced Level (RRT) credentialing examinations.

The mission of the Respiratory Therapy program is to prepare students as advanced-level respiratory therapists.

Technical standards: The physical activity (strength) for respiratory therapy (076.361-014) is classified as “medium” by the Department of Labor in the Dictionary of Occupational Titles.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms and equipment.

Minimum requirements to apply to the Respiratory Therapy program:

1. CCRI application – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; RESP should be the second choice.
2. High school transcript – An official copy of a high school or GED® transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. Placement testing – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Students may NOT retake the ACCUPLACER test before completing the remedial course/courses. Note: For application purposes, ACCUPLACER testing can be waived for students who provide documentation of a bachelor’s degree or higher. Students are advised that individual departments may still require ACCUPLACER testing as a prerequisite for their courses.
4. Complete courses required for admission with a grade of “C” or better:
   - ENGL 1010 - Composition I. ENGL 1300 does not substitute.
   - MATH 1420 - Introduction to College Math (MATH 1430, 1200 and 1700 also meet this requirement.)
   - RESP 1000 - Introduction to Respiratory Therapy
   - BIOL 1010 - Human Anatomy
   - CHEM 1010 - Survey of Biomedical Chemistry (CHEM 1180 - Health Science Chemistry I or CHEM 1030 - General Chemistry also meet this requirement.)
   - A grade point average of 2.0 or better for all college courses taken.
6. Health Sciences application – Complete and submit a performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period.

IMPORTANT: Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. Acceptance is based on points earned as listed in the program acceptance criteria point system. (See www.ccri.edu/dean-hrs.) At the time of admission, students must meet the current admission requirements. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application and meet the current admission requirements. Once accepted, students must attend a mandatory orientation conducted by the Allied Health Department.

7. Background check – Students are required to submit a background check when directed by notification from Enrollment Services.

Program Requirements

• Maintain a cumulative GPA of 2.0 or higher.
• Obtain at least a grade of “C” in MATH, BIOL and RESP-coded courses.
Associate in Applied Science Degree in Respiratory Therapy (AAS_RESP) (continued)

RECOMMENDED COURSE SEQUENCE:

Preadmission requirements:
- BIOL 1010; CHEM 1010 OR 1030 OR 1180;
- ENGL 1010; MATH 1200 OR 1420 OR 1430; RESP 1000

Fall semester: BIOL 1020; RESP 1010, 1012; Humanities OR Social Science Elective

Spring semester: BIOL 2210; RESP 1100, 1800, 2110

Summer semester: RESP 2800

Fall semester: PSYC 2010; RESP 2020, 2120, 2810

Spring semester: RESP 2030, 2130, 2820

PREADMISSION Requirements

Note: These courses must be taken prior to program admission.

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1010</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1200</td>
<td>College Algebra</td>
<td></td>
</tr>
<tr>
<td>OR MATH 1420</td>
<td>OR Introduction to College Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>OR MATH 1430</td>
<td>OR Math for Liberal Arts</td>
<td></td>
</tr>
<tr>
<td>CHEM 1010</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>OR CHEM 1030</td>
<td>OR Survey of Biomedical Chemistry</td>
<td></td>
</tr>
<tr>
<td>OR CHEM 1180</td>
<td>OR Health Science Chemistry I</td>
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</tr>
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General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>BIOL 1020</td>
<td>Human Physiology</td>
<td>4</td>
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<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>See page 22 for complete list of courses that fulfill the HUMN or SSCI attribute.</td>
<td>3</td>
</tr>
<tr>
<td>OR Social Science Elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 2210</td>
<td>Introductory Microbiology</td>
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Total General Education Credits (including preadmission) 29

PREADMISSION Major Requirement

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>RESP 1000</td>
<td>Introduction to Respiratory Therapy</td>
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</tbody>
</table>

Major Requirements

Note: Students must be accepted into the program before taking the following courses.

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESP 1010</td>
<td>Respiratory Care I</td>
<td>4</td>
</tr>
<tr>
<td>RESP 1012</td>
<td>Preclinical Practice</td>
<td>2</td>
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<tr>
<td>RESP 1100</td>
<td>Respiratory Care II</td>
<td>4</td>
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<tr>
<td>RESP 1800</td>
<td>Clinical Practicum I (8 hrs/wk x 15 wks)</td>
<td>1</td>
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<tr>
<td>RESP 2110</td>
<td>Respiratory Critical Care</td>
<td>3</td>
</tr>
<tr>
<td>RESP 2800</td>
<td>Clinical Practicum II (24 hrs/wk x 6 wks)</td>
<td>2</td>
</tr>
<tr>
<td>RESP 2020</td>
<td>Cardiopulmonary Diseases I</td>
<td>4</td>
</tr>
<tr>
<td>RESP 2120</td>
<td>Respiratory Care III</td>
<td>4</td>
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<tr>
<td>RESP 2810</td>
<td>Clinical Practicum III (24 hrs/wk x 14 wks)</td>
<td>4</td>
</tr>
<tr>
<td>RESP 2030</td>
<td>Cardiopulmonary Disease II</td>
<td>4</td>
</tr>
<tr>
<td>RESP 2130</td>
<td>Respiratory Care IV</td>
<td>4</td>
</tr>
<tr>
<td>RESP 2820</td>
<td>Clinical Practicum IV (16 hrs/wk x 14 wks)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Major Requirements Credits (including preadmission) 42

Total Program Credits 71
## Associate in Applied Science Degree in Therapeutic Massage (AAS_TMSG)

**Occupational Title:** Massage Therapist  
**Newport County Campus, Newport**

The Therapeutic Massage program is accredited by the Commission on Massage Therapy Accreditation (COMTA), 5335 Wisconsin Ave. NW, Suite 440, Washington, DC, 20015; 202-859-1518; www.comta.org.

The Therapeutic Massage associate degree program offers students a strong scientific background for the understanding and application of various soft tissue techniques to promote health and wellness. Eastern and Western practices will be studied to ensure an education that includes a holistic approach to massage. The program is guided by the Massage Therapy Foundation’s Mission:

- The Massage Therapy Foundation advances the knowledge and practice of massage therapy by supporting scientific research, education, and community service.
- The Therapeutic Massage Program offered at CCRI is accredited by the Commission on Massage Therapy Accreditation (COMTA), elevating CCRI to COMTA-endorsed curriculum status. The program offered at CCRI’s Newport campus is a modified evening and weekend program with the core courses offered at the Newport location. All of the required general education courses may be taken at other CCRI campuses prior to acceptance into the program. Graduates receive an Associate in Applied Science (A.A.S.) degree after completing a combined 1135 hours and 60 credits of coursework and fieldwork. All fieldwork courses must be completed within 18 months following completion of the academic training.

All graduates are eligible to sit for the state licensing (State licensure requirements vary state to state) and the Board Certification exams. An individual must successfully pass the Massage and Bodywork Licensing Exam (MBLEX), overseen by the Federation of State Massage Boards, to apply for a license to practice massage in the State of Rhode Island. The Board Certification Exam is administered by the National Certification Board of Therapeutic Massage and Bodywork (NCBTMB). The NCBTMB has designated CCRI as an Assigned Education Center (AEC) to prepare students for the Board Certification exams. An individual must successfully pass the NCBTMB Board Certification Exam to attain a state license to practice massage. The program is guided by the Massage Therapy Foundation’s Mission:

- The Therapeutic Massage Program offered at CCRI is accredited by the Commission on Massage Therapy Accreditation (COMTA), elevating CCRI to COMTA-endorsed curriculum status. The program offered at CCRI’s Newport campus is a modified evening and weekend program with the core courses offered at the Newport location. All of the required general education courses may be taken at other CCRI campuses prior to acceptance into the program. Graduates receive an Associate in Applied Science (A.A.S.) degree after completing a combined 1135 hours and 60 credits of coursework and fieldwork. All fieldwork courses must be completed within 18 months following completion of the academic training.

- All graduates are eligible to sit for the state licensing (State licensure requirements vary state to state) and the Board Certification exams. An individual must successfully pass the Massage and Bodywork Licensing Exam (MBLEX), overseen by the Federation of State Massage Boards, to apply for a license to practice massage in the State of Rhode Island. The Board Certification Exam is administered by the National Certification Board of Therapeutic Massage and Bodywork (NCBTMB). The NCBTMB has designated CCRI as an Assigned Education Center (AEC) to prepare students for the Board Certification exams. An individual must successfully pass the NCBTMB Board Certification Exam to attain a state license to practice massage. The program is guided by the Massage Therapy Foundation’s Mission:

- The Therapeutic Massage Program offered at CCRI is accredited by the Commission on Massage Therapy Accreditation (COMTA), elevating CCRI to COMTA-endorsed curriculum status. The program offered at CCRI’s Newport campus is a modified evening and weekend program with the core courses offered at the Newport location. All of the required general education courses may be taken at other CCRI campuses prior to acceptance into the program. Graduates receive an Associate in Applied Science (A.A.S.) degree after completing a combined 1135 hours and 60 credits of coursework and fieldwork. All fieldwork courses must be completed within 18 months following completion of the academic training.

- All graduates are eligible to sit for the state licensing (State licensure requirements vary state to state) and the Board Certification exams. An individual must successfully pass the Massage and Bodywork Licensing Exam (MBLEX), overseen by the Federation of State Massage Boards, to apply for a license to practice massage in the State of Rhode Island. The Board Certification Exam is administered by the National Certification Board of Therapeutic Massage and Bodywork (NCBTMB). The NCBTMB has designated CCRI as an Assigned Education Center (AEC) to prepare students for the Board Certification exams. An individual must successfully pass the NCBTMB Board Certification Exam to attain a state license to practice massage. The program is guided by the Massage Therapy Foundation’s Mission:

- The Therapeutic Massage Program offered at CCRI is accredited by the Commission on Massage Therapy Accreditation (COMTA), elevating CCRI to COMTA-endorsed curriculum status. The program offered at CCRI’s Newport campus is a modified evening and weekend program with the core courses offered at the Newport location. All of the required general education courses may be taken at other CCRI campuses prior to acceptance into the program. Graduates receive an Associate in Applied Science (A.A.S.) degree after completing a combined 1135 hours and 60 credits of coursework and fieldwork. All fieldwork courses must be completed within 18 months following completion of the academic training.

### General Policies

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms and equipment.

### Minimum requirements to apply to the Therapeutic Massage program:

1. **CCRI application** – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; TMSG should be the second choice.

2. **High school transcript** – Send an official copy of the applicant’s high school or GED® transcript, including date of graduation. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.

3. **Placement testing** – Demonstrate competency at MATH 1420 level by placing into MATH 1420 through the standardized test (ACCUPLACER) or completion of MATH 0500 with a “C” or better. The following courses will substitute for MATH 1420: MATH 1200, 1210, 1430, 1470, 1475, 1550, 1560, 1670, 1680, 1700, 1710, 1900, 1910, 1920, 2910. (Highest grade earned in any of these courses will be calculated in the point system.)

4. **Placement testing** – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Competency of 75 or above is required for reading comprehension or completion of ENGL 0890 - Critical Reading with a grade of “B-” or better.

5. **Complete the following courses** with a grade of “C” or better:
   - BIOL 1070 - Human Anatomy and Physiology or both BIOL 1010 and BIOL 1020
   - TMSG 1000 - Introduction to Therapeutic Massage
   - RHAB 1010 - Medical Terminology for Rehabilitation
   - RHAB 1100 - Foundational Kinesiology
   - ENGL 1010 - Composition I

6. **Age requirement** – Must be 18 years of age or older to register for TMSG 1000 - Introduction to Therapeutic Massage.

7. **GPA** – Earn a cumulative grade point average of 2.0 or better for all college courses taken.

8. **Health Sciences application** – Complete and submit performance-based Health Sciences application including a preadmission degree evaluation. The application and instructions can be found at www.ccri.edu/oes/admissions/index.html.

### Important

All the above requirements must be completed satisfactorily BEFORE submission of performance-based Health Sciences application and do not guarantee acceptance to the program. At the time of admission, the student must meet the current admission requirements of the program. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application for the program and meet the current admission requirements for the application period in which they reapply. Once accepted into the Therapeutic Massage degree program, the student must attend a mandatory orientation conducted by the Rehabilitation Health Department.

9. **Background check** – Students are required to submit a background check when directed by notification from Enrollment Services. Final acceptance to the program is dependent on the results of the background check. 
 Associate in Applied Science Degree in Therapeutic Massage (AAS_TMSG) (continued)

**RECOMMENDED COURSE SEQUENCE:**

- Preadmissions requirements: BIOL 1070; ENGL 1010; TMSG 1000; RHAB 1010, 1100
- **First semester (Fall):** RHAB 1030; TMSG 1020, 1040; PSYC 2010
- **Second semester (Spring):** TMSG 1030, 1140; MATH 1420; COMM 1100
- **Third semester (Summer):** TMSG 2010, 2030, 2100; General Education Elective
- **Fourth semester (Fall):** TMSG 2030, 2040, 2110, 2130; PSYC 2030

**PREADMISSION General Education Requirements**

*Note: These courses must be taken prior to program admission.*

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>— BIOL 1070</td>
<td>Human Anatomy and Physiology</td>
<td>3</td>
</tr>
<tr>
<td>— ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
</tbody>
</table>

**General Education Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>— MATH 1420</td>
<td>Introduction to College Mathematics (online option)</td>
<td>3</td>
</tr>
<tr>
<td>— COMM 1100</td>
<td>Oral Communication I</td>
<td>3</td>
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<tr>
<td>— PSYC 2010</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>— PSYC 2030</td>
<td>Developmental Psychology</td>
<td>3</td>
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<tr>
<td>— General Education Elective See page 22 for complete list of courses that meet this requirement.</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Total General Education Credits (including preadmission) 21

**PREADMISSION Major Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>— TMSG 1000</td>
<td>Introduction to Therapeutic Massage</td>
<td>2</td>
</tr>
<tr>
<td>— RHAB 1010</td>
<td>Medical Terminology for Rehabilitation (online option)</td>
<td>1</td>
</tr>
<tr>
<td>— RHAB 1100</td>
<td>Foundational Kinesiology (online)</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>— RHAB 1030</td>
<td>Pathophysiology for Rehabilitative Health Practitioners</td>
<td>3</td>
</tr>
<tr>
<td>— TMSG 1020</td>
<td>Swedish Massage</td>
<td>5</td>
</tr>
<tr>
<td>— TMSG 1030</td>
<td>Deep Tissue Massage</td>
<td>5</td>
</tr>
<tr>
<td>— TMSG 1040</td>
<td>Introduction to Eastern Modalities</td>
<td>2</td>
</tr>
<tr>
<td>— TMSG 1140</td>
<td>Eastern Modalities in Integrative Practice</td>
<td>2</td>
</tr>
<tr>
<td>— TMSG 2010</td>
<td>Introduction to Sports Massage</td>
<td>2</td>
</tr>
<tr>
<td>— TMSG 2020*</td>
<td>Student Massage Clinic</td>
<td>3</td>
</tr>
<tr>
<td>— TMSG 2021</td>
<td>Massage Practice Building</td>
<td>2</td>
</tr>
<tr>
<td>— TMSG 2030**</td>
<td>Clinical Internship I</td>
<td>2</td>
</tr>
<tr>
<td>— TMSG 2110</td>
<td>Advanced Sports Massage</td>
<td>2</td>
</tr>
<tr>
<td>— TMSG 2040</td>
<td>Foundation of Evidence-Based Outcomes for Massage Therapists</td>
<td>3</td>
</tr>
<tr>
<td>— TMSG 2130</td>
<td>Clinical Internships II</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Major Requirements Credits (including preadmission) 39

**Total Program Credits** 60

* TMSG 2020 includes 100 hours of onsite student/faculty clinic.
** TMSG 2030 and TMSG 2130 each include 60 hours of clinical externship.
Certificate in Dental Assisting (CERT_DENT)

Occupational Title: Dental Assistant Flanagan Campus, Lincoln only

This program is accredited by the American Dental Association Commission on Dental Accreditation, 211 E. Chicago Ave., Chicago, IL, 60611.

The primary function of the dental assistant is to assist the dentist. Students in this program attend lecture and laboratory classes and receive actual clinical experience through assignments at a variety of dental health care facilities.

This course of study prepares students for the certification examination given by the Dental Assisting National Board, Inc. Students who successfully complete the program are awarded a certificate by the college. Students are responsible for purchasing dental instruments and uniforms, as well as paying fees for the certification exam.

Technical standards: The physical activity (strength) for dental assistant (079.361-018) is classified as “light” by the Department of Labor in the Dictionary of Occupational Titles.

Note: Many courses require prerequisites and/or testing. See course descriptions at the back of the catalog for details.

CCRI also offers a Dental Hygiene associate degree program. See page 116.

Certification in Dental Assisting (CERT_DENT) is classified as “light” by the Department of Labor in the Dictionary of Occupational Titles.

GAINFUL EMPLOYMENT INFORMATION

Most students in the Dental Assisting certificate program attend classes full time. Therefore, the time to complete this certificate would be three semesters (or 18 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/hris/dental/dental-assist-cert.html.

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms and equipment.

Minimum requirements to apply to Dental Assisting:

1. CCRI application – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; DENT should be the second choice.

2. High school transcript – Send an official copy of a high school or GED® transcript, including date of graduation or, if the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.

3. Placement testing – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Students may retake the ACCUPLACER test once before completing any remedial course(s).

   – Math placement test must indicate competency in MATH 0500 with a test score of 65 or above for the arithmetic section, or completion of MATH 0500 with a grade of “C” or better.

   – English (writing) test must show readiness to take ENGL 1010 - Composition I, or applicant must have completed ENGL 1005 - College Writing with a grade of “C” or better. ENGL 1300 will not substitute for ENGL 1010.

   – Reading comprehension test must show competency of 80 or above or students must complete ENGL 0890 - Critical Reading with a grade of “B-” or better.

4. Complete courses required for admission with a grade of “C” or better:

   – DENT 1000 - Introduction to Dental Health Careers

5. GPA – A cumulative grade point average of 2.0 or better is required to proceed in the program.

6. Health Sciences application – Complete and submit performance-based Health Sciences application including a preadmission degree evaluation. Deadlines are listed on form.

IMPORTANT: All the above requirements must be completed satisfactorily BEFORE submission of performance-based Health Sciences application and do not guarantee acceptance to the program. Acceptance is based on students’ performance in the criteria (refer to explanation of criteria on Health Sciences division website). At the time of admission, the student must meet the current admission requirements of the program. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application for the program and meet the current admission requirements. Once accepted into Dental Assisting, the student must attend a mandatory orientation conducted by the Dental Health Department.

7. Background check – Students are required to submit a background check when directed by notification from Enrollment Services. Results of BCI may prevent admission due to clinical agency requirements.

Program Requirements

• A cumulative grade point average of 2.0 or better is required to proceed in the program.

• General education courses in the dental assisting curriculum may be taken prior to the semester recommended. All courses must be completed by the recommended semester.

• Program faculty reserve the right to dismiss any student from the program or to refuse reinstatement based on academic, clinical or professional performance.

• ENGL 1300 may not be substituted for ENGL 1010.

• BIOL 1070 must be completed prior to the second semester.
Certificate in Dental Assisting (CERT_DENT) (continued)

**RECOMMENDED COURSE SEQUENCE:**

First semester: BIOL 1070; ENGL 1010; DAST 1010, 1020, 1030, 1225; DENT 2010, 2225

Second semester: COMM 1100; DAST 1040, 1050, 1060; PSYC 1030

**PREADMISSION Major Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>— DENT 1000</td>
<td>Introduction to Dental Health Careers</td>
<td>2</td>
</tr>
</tbody>
</table>

**General Education Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>— BIOL 1070*</td>
<td>Human Anatomy and Physiology</td>
<td>3</td>
</tr>
<tr>
<td>— ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>— PSYC 1030</td>
<td>Psychology of Personal Adjustment</td>
<td>3</td>
</tr>
<tr>
<td>— COMM 1100</td>
<td>Oral Communication I</td>
<td>3</td>
</tr>
</tbody>
</table>

Total General Education Credits 12

*Must be taken prior to admission to the program or during the first semester of the program.

**Major Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>— DAST 1010</td>
<td>Oral Biology I</td>
<td>2</td>
</tr>
<tr>
<td>— DAST 1020</td>
<td>Preventive Dentistry</td>
<td>2</td>
</tr>
<tr>
<td>— DAST 1030</td>
<td>Chairside Dental Assisting I</td>
<td>4</td>
</tr>
<tr>
<td>— DAST 1040</td>
<td>Oral Biology II</td>
<td>3</td>
</tr>
<tr>
<td>— DAST 1050</td>
<td>Chairside Dental Assisting II</td>
<td>5</td>
</tr>
<tr>
<td>— DAST 1060</td>
<td>Dental Office Procedures</td>
<td>2</td>
</tr>
<tr>
<td>— DENT 2010</td>
<td>Oral Radiography</td>
<td>4</td>
</tr>
<tr>
<td>— DAST 1225</td>
<td>Dental Materials Lecture</td>
<td>1</td>
</tr>
<tr>
<td>— DENT 2225</td>
<td>Dental Materials Lab for Dental Assistants</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Major Requirements Credits (including preadmission) 26

**Total Certificate Credits** 38
Certificate in Emergency/Disaster Management (CERT_EMER)

All campuses, evenings only

This fast-growing field presents opportunities for individuals who seek employment in various emergency management capacities. This program is based upon the Emergency Management Institute (EMI) for higher education and is designed to enhance the emergency/disaster management skills and knowledge of police, fire service, hospital personnel, business, security personnel, risk managers, etc.

Courses in this certificate can be applied to the Associate degree in Emergency Management/Homeland Security. See page 122 for information on the associate degree.

All applicants must have a high school diploma or GED® credential.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:
- First semester: EMER 1000; ENGL 2100
- Second semester: EMER 1010 OR 1020, 1030; GEOL 1030
- Third semester: EMER 1040 OR EMER 2500

Certificate Requirements

Note: Students must be accepted into the program before enrolling in any required courses.

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>__ EMER 1000</td>
<td>Fundamentals of Emergency Management</td>
<td>3</td>
</tr>
<tr>
<td>__ EMER 1010</td>
<td>Understanding Terrorism</td>
<td>3</td>
</tr>
<tr>
<td>__ OR EMER 1020</td>
<td>OR Bioterrorism and Public Health Emergencies</td>
<td></td>
</tr>
<tr>
<td>__ GEOL 1030</td>
<td>Natural Disasters</td>
<td>3</td>
</tr>
<tr>
<td>__ ENGL 2100</td>
<td>Technical Writing</td>
<td>3</td>
</tr>
<tr>
<td>__ EMER 1030</td>
<td>Disaster Response Operations and Management</td>
<td>3</td>
</tr>
<tr>
<td>__ EMER 1040</td>
<td>Managing the Psychological Impact of Terrorism and Disasters</td>
<td>3</td>
</tr>
<tr>
<td>__ OR EMER 2500</td>
<td>OR Practicum in Emergency Management</td>
<td></td>
</tr>
</tbody>
</table>

Total Certificate Credits 18
Certificate in Health Care Interpreter (CERT_INTC)

Note: No new students are being admitted to this program until Fall 2017.

Occupational Title: Health Care Interpreter
Liston Campus, Providence only

The Health Care Interpreter certificate program is a two-semester program that prepares an assistant-level practitioner for the health care community. These individuals are prepared to provide high quality and skilled interpreting services in a variety of health care facilities; acute care, long-term care and community health care agencies. The program includes a total of 16 credits for three distinct courses. Students gain an understanding of the critical role that health care interpreters fulfill within the health care team through theory presented in the classroom, simulated clinical experiences, as well as practice experience in the selected health care settings.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

This program is not currently accepting applicants. A revision of this program will occur during the 2016–2017 academic year.

RECOMMENDED COURSE SEQUENCE:
First semester: RHAB 1010; INTC 1300
Second semester: INTC 1310

Certificate Requirements
Note: Students must be accepted into the program before taking major requirements.

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RHAB 1010</td>
<td>Medical Terminology for Rehabilitation</td>
<td>1</td>
</tr>
<tr>
<td>INTC 1300</td>
<td>Interpreting in Health Care I</td>
<td>7</td>
</tr>
<tr>
<td>INTC 1310</td>
<td>Interpreting in Health Care II</td>
<td>8</td>
</tr>
</tbody>
</table>

Total Certificate Credits 16

GAINFUL EMPLOYMENT INFORMATION
Students in the Health Care Interpreter certificate program attend classes part time. Therefore, the time to complete this certificate would be two semesters (or 12 months). For more information about the number of CChI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/hr/healthcare/interpreter-cert.html.

GENERAL POLICIES
See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms and equipment.

Minimum requirements to apply to the Health Care Interpreter certificate program:

1. CCRI application – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; INTC should be the second choice.
2. High school transcript – An official copy of a high school or GED® transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. Placement testing – Must earn English placement test results (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling:
   - Reading comprehension test must show competency of 80 or above OR students must complete ENGL 0890 - Critical Reading with a grade of “B-” or better.
   - Readiness to take ENGL 1005 - College Writing or higher OR the applicant must have completed ENGL 0500 - Basics of Composition with a “C” or higher throughout the program to be certificate eligible.
4. Completion of the Versant Oral Proficiency Test in Spanish with a minimum score of 76 (test available at Knight Campus only).
5. Health Sciences application – Complete and submit a performance-based Health Sciences application including a preadmission degree evaluation.
6. Background Check – Students are required to submit a background check when directed by Enrollment Services. Results of BCI (Bureau of Criminal Investigation) check may prevent admission due to clinical agencies’ requirements.

IMPORTANT: Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. At the time of admission, the student must meet the current admission requirements. Students declining acceptance into the program must resubmit a performance-based Health Sciences application and meet the current admission requirements.

Program Requirements:
- Student must successfully complete all courses in the Health Care Interpreter program to be certificate eligible.
- Student must maintain a GPA of 2.0 or higher throughout the program to be certificate eligible.
- Students must have required immunizations completed before any field work.
- Course sequence: RHAB 1010 - Medical Terminology of Rehabilitative Health and INTC 1300 - Interpreting in Health Care I, both with a grade of “C” or better is required for progression to INTC 1310 - Interpreting in Health Care II.
Health Sciences

Cybersecurity Concentration (HMCS)
Emergency Management Concentration (HMEM)
Law Enforcement Concentration (HMLE)
Certificate in Homeland Security (CERT_HMLS)

Homeland Security has become an integral part of our society. The certificate in Homeland Security provides students with the opportunity to choose three pathways in homeland security. Each pathway consists of three core courses focusing on the history and development of homeland security, intelligence analysis and how agencies share information to stop terrorist attacks, and border and transportation security issues.

Students then decide which track they wish to pursue. The concentration in emergency management focuses on the depths of terrorism. The concentration in law enforcement provides students with the tools to enter into the law enforcement community, and the concentration in cybersecurity provides a pathway for students interested in defending our nation from a cyberterrorist attack or cyberdisruption.

Courses in the Emergency Management concentration can be applied to the Associate Degree in Emergency Management/Homeland Security. See page 122 for information on the associate degree.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

<table>
<thead>
<tr>
<th>Certificate Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>COURSE NO.</td>
</tr>
<tr>
<td>__HMLS 1000</td>
</tr>
<tr>
<td>__HMLS 1010</td>
</tr>
<tr>
<td>__HMLS 1020</td>
</tr>
<tr>
<td>__One concentration</td>
</tr>
</tbody>
</table>

**CONCENTRATION OPTIONS** – Choose one to complete certificate requirements.

**Cybersecurity (HMCS)**
- __COMI 2035__ Introduction to Computer Forensics 3
- __COMI 2036__ Introduction to Computer Ethics 3
- __COMI 2037__ Introduction to Cybersecurity 3

**Emergency Management (HMEM)**
- __EMER 1010__ Understanding and Responding to Terrorism 3
- __EMER 1020__ Bioterrorism and Public Health Emergencies 3
- __EMER 1040__ Managing the Psychological Impact of Terrorism and Disasters 3

**Law Enforcement (HLME)**
- __LAWS 1000__ Introduction to Law Enforcement 3
- __LAWS 1010__ Criminal Law 3
- __LAWS 1020__ Criminal Procedure 3

**Total Certificate Credits** 18

GAINFUL EMPLOYMENT INFORMATION
For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit [www.ccri.edu/acadaffairs/gainful-employment](http://www.ccri.edu/acadaffairs/gainful-employment).
Certificate in Magnetic Resonance Imaging (CERT_MRIC)
Flanagan Campus, Lincoln only

Magnetic resonance imaging is a dynamic technology used in the diagnosis and treatment of disease. This two-semester program, which combines classroom instruction with supervised clinical practice, focuses on understanding the basic principles of magnetic resonance imaging and the care of patients requiring diagnosis or treatment. The goal of this program is to prepare students who can competently and safely perform magnetic resonance procedures, display the personal qualities of integrity, responsibility and reliability and who function as active members of the health care team.

Graduates receive a certificate in magnetic resonance imaging and are prepared to sit for the national credentialing examination offered by the American Registry of Radiologic Technologists. They are eligible for employment in hospitals, clinics, physician’s offices and mobile MRI facilities.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:
First semester: MRIC 2260, 2270; ENGL 1010; PSYC 2010
Second semester: MRIC 2280, 2290; COMI 1100; General Education Elective

GENERAL POLICIES
See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms and equipment.

Minimum requirements to apply to the Magnetic Resonance Imaging certificate program:

1. CCRI application – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; MRIC should be the second choice.
2. High school transcript – An official copy of a high school or GED® transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.
3. ARRT Certificate – Current certification as a radiologic technologist through the American Registry of Radiologic Technologists. (ARDMS, American Registry of Diagnostic Medical Sonographers and NMTCB, Nuclear Medicine Technology Certification Board certifications are acceptable substitutes.)
4. Placement testing – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Students may NOT retake the ACCUPLACER test before completing the remedial course/ courses. Note: For application purposes, ACCUPLACER testing can be waived for students who provide documentation of a bachelor’s degree or higher. Students are advised that individual departments may still require ACCUPLACER testing as a prerequisite for their courses.
   – Reading comprehension test must show competency of 80 or above or students must complete ENGL 0890 - Critical Reading with a grade of “B-” or better.
   – English (writing) test must show readiness to take ENGL 1010: Composition I or students must complete ENGL 1005 - College Writing with a grade of “C” or better. ENGL 1300 will not substitute for ENGL 1010.
   – Math placement test must indicate competency in MATH 0600 through an ACCUPLACER score of 75 or above on the algebra section or completion of MATH 0600 with a grade of “C” or better.
5. GPA – A cumulative grade point average of 2.0 or better for all college courses taken.
6. Health Sciences application – Complete and submit a performance-based Health Sciences application including a predmission degree evaluation during the open enrollment period.

IMPORTANT: Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. Acceptance is based on points earned as listed in the program acceptance criteria point system. (See www.ccri.edu/dean-hrs.) At the time of admission, students must meet the current admission requirements. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application and meet the current admission requirements. Once accepted, students must attend a mandatory orientation conducted by the Allied Health Department.

7. Background check – Students are required to submit a background check when directed by notification from Enrollment Services.
Certificate in Magnetic Resonance Imaging (CERT_MRIC) (continued)

Program Requirements:
• The major requirements of this program must be taken in sequence. They are open only to students who are formally accepted into the program.
• No grade less than a “C” is acceptable in any of the technical courses (MRIC).
• Maintain a cumulative GPA of 2.0 or greater.
• Program faculty reserve the right to require withdrawal of any student from the program or to refuse reinstatement based on the student’s academic, clinical or professional performance.
• ENGL 1300 may not be substituted for ENGL 1010.

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>_ MRIC 2260</td>
<td>Introduction to Magnetic Resonance Imaging</td>
<td>6</td>
</tr>
<tr>
<td>_ MRIC 2270</td>
<td>MRI Physics and Instrumentation</td>
<td>3</td>
</tr>
<tr>
<td>_ ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>_ PSYC 2010</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>_ MRIC 2280</td>
<td>Procedures and Methods for MRI Imaging</td>
<td>6</td>
</tr>
<tr>
<td>_ MRIC 2290</td>
<td>MRI Safety and Quality Assurance</td>
<td>3</td>
</tr>
<tr>
<td>_ COMI 1100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>_ General Education Elective</td>
<td>See page 22 for complete list of courses that meet this requirement.</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Certificate Credits 30
**Certificate in Phlebotomy (CERT_PHLE)**

Liston Campus, Providence – Days; Fall and Spring semesters
Liston Campus, Providence – Evenings; Fall semester

Phlebotomists are essential members of the health care delivery team who primarily are responsible for collecting blood specimens from patients for laboratory testing. The phlebotomist plays a vital role by obtaining quality specimens that enable the laboratory to deliver meaningful and accurate test results to assist the physician in diagnosis.

The Phlebotomy certificate program is a part-time, two-semester program offered three times a year. The program includes lectures and laboratory experiences at CCRI as well as practical training at a clinical site. Instruction is designed to provide both the technical and interpersonal skills required for the competent and professional practice of phlebotomy.

Upon successful completion of this program, graduates are eligible to sit for a national certification examination for phlebotomy given by recognized agencies. Qualified phlebotomists may be employed in hospital laboratories, private laboratories, doctors’ offices, clinics, emergency rooms or blood donor centers.

**Note:** Phlebotomy students are eligible for financial aid and the Dean’s List. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

**Technical standards:** The physical activity level (strength) level for phlebotomist (079. 36.022) is classified as “light” by the Department of Labor Dictionary of Occupational Titles.

**Note:** Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

**RECOMMENDED COURSE SEQUENCE:**

First semester: ENGL 1010; PHLE 1010; MLTC 1960; MEDL 2400
Second semester: PHLE 1020; MLTC 1170; RESP 2140

**GAINFUL EMPLOYMENT INFORMATION**

Most students in the Phlebotomy certificate program attend classes part time. Therefore, the time to complete this certificate would be two semesters (or 12 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit [www.ccri.edu/acadaffairs/gainful-employment/hrs/allied-health/phlebotomy-cert.html](http://www.ccri.edu/acadaffairs/gainful-employment/hrs/allied-health/phlebotomy-cert.html).

**GENERAL POLICIES**

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms and equipment.

**Minimum requirements to apply to the Phlebotomy certificate program:**

1. **CCRI application** – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; PHLE should be the second choice.

2. **High school transcript** – An official copy of a high school or GED® transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.

3. **Placement testing** – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Students may NOT retake the ACCUPLACER test before completing the remedial course/courses. **Note:** For application purposes, ACCUPLACER testing can be waived for students who provide documentation of a bachelor’s degree or higher. Students are advised that individual departments may still require ACCUPLACER testing as a prerequisite for their courses.

   - **Reading comprehension test** must show competency of 80 or above or students must complete ENGL 0890 - Critical Reading with a grade of “B-” or better. ENGL 1300 will not substitute for ENGL 1010.

4. **Health Sciences application** – Complete and submit a performance-based Health Sciences application including a predmission degree evaluation during the open enrollment period.

   **IMPORTANT:** Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. Acceptance is based on points earned as listed in the program acceptance criteria point system. (See [www.ccri.edu/dean-hrs.](http://www.ccri.edu/dean-hrs.) At the time of admission, students must meet the current admission requirements. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application and meet the current admission requirements. Once accepted, students must attend a mandatory orientation conducted by the Allied Health Department.

5. **Background check** – Students are required to submit a background check when directed by notification from Enrollment Services. No incident or probation can have occurred in the past five years.

**Program Requirements:**

- Maintain at least a grade of “C” in PHLE I and II.
- Maintain a cumulative GPA of 2.0 or greater.
- Program faculty reserve the right to require withdrawal of any student from the program or to refuse reinstatement based on the student’s academic, clinical or professional performance.
- **ENGL 1300 may not be substituted for ENGL 1010.**
Certificate in Phlebotomy (CERT_PHLE) (continued)

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>PHLE 1010</td>
<td>Phlebotomy I</td>
<td>6</td>
</tr>
<tr>
<td>MLTC 1960</td>
<td>Laboratory Information Systems</td>
<td>1</td>
</tr>
<tr>
<td>PHLE 1020*</td>
<td>Phlebotomy II</td>
<td>6</td>
</tr>
<tr>
<td>MLTC 1170</td>
<td>Quality Assurance for Point of Care Laboratory Testing</td>
<td>1</td>
</tr>
<tr>
<td>MEDL 2400</td>
<td>Medical Insurance Coding II</td>
<td>2</td>
</tr>
<tr>
<td>RESP 2140</td>
<td>Basics of Electrocardiography (ECG)</td>
<td>1</td>
</tr>
</tbody>
</table>

*Students must be available to train weekdays (eight hours per day, five days per week) for four consecutive weeks.

Total Certificate Credits 20
Certificate in Renal Dialysis Technology (CERT_RENL)

Liston Campus, Providence

The Renal Dialysis certificate program is a two-semester program that prepares individuals to work as renal dialysis technicians in outpatient settings. Students receive theoretical and practical preparation. Various aspects of kidney disease and the principles of dialysis are covered. Dialysis modalities, dialysis devices, dialyzer reprocessing and water treatment also are included. A practicum in a dialysis facility provides students, under the supervision of an instructor in the clinical area, the opportunity to experience first-hand the role of a renal dialysis technician. Successful completion of the program qualifies graduates for entry-level employment as a dialysis technician. Students are eligible to sit for the National Nephrology Dialysis Technician Certification Examination after 18 months of practice in a dialysis unit.

Note: Students must be enrolled in the Renal Dialysis Technology certificate program to register for RENL 1010, 1020, 1030, MLTC 1170 and 1180. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

**RECOMMENDED COURSE SEQUENCE:**

<table>
<thead>
<tr>
<th>First semester (Fall)</th>
<th>Second semester (Spring)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>RENL 1020, 1030</td>
</tr>
<tr>
<td>MLTC 1170</td>
<td></td>
</tr>
<tr>
<td>RENL 1010</td>
<td></td>
</tr>
<tr>
<td>MLTC 1180</td>
<td></td>
</tr>
<tr>
<td>ENGL 1010</td>
<td>MLTC 1170</td>
</tr>
<tr>
<td>RENL 1020</td>
<td>MLTC 1180</td>
</tr>
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</table>

**Certificate Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>RENL 1010</td>
<td>Renal Dialysis Technology I</td>
<td>4</td>
</tr>
<tr>
<td>MLTC 1170</td>
<td>Quality Assurance for Point of Care Laboratory Testing</td>
<td>1</td>
</tr>
<tr>
<td>MLTC 1180</td>
<td>Specimen Collection and Handling for Health Care Professionals</td>
<td>1</td>
</tr>
<tr>
<td>RENL 1020</td>
<td>Patient Care and Assessment for the Dialysis Technician</td>
<td>3</td>
</tr>
<tr>
<td>RENL 1030</td>
<td>Renal Dialysis Technology II (with concurrent clinical)</td>
<td>6</td>
</tr>
</tbody>
</table>

**Total Certificate Credits** 18

**GENERAL POLICIES**

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms and equipment.

**Minimum requirements to apply to the Renal Dialysis Technology certificate program:**

1. **CCRI application** – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; RENL should be the second choice.

2. **High school transcript** – An official copy of a high school or GED® transcript, including date of graduation, must be provided. If the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.

3. **Placement testing** – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Students may NOT retake the ACCUPLACER test before completing the remedial course/courses. **Note:** For application purposes, ACCUPLACER testing can be waived for students who provide documentation of a bachelor’s degree or higher. Students are advised that individual departments may still require ACCUPLACER testing as a prerequisite for their courses.
   - **Reading comprehension test** must show competency of 80 or above or students must complete ENGL 0890 - Critical Reading with a grade of “B-” or better.
   - **English (writing) test** must show readiness to take ENGL 1010 - Composition I or students must complete ENGL 1005 - College Writing with a grade of “C” or better. ENGL 1300 will not substitute for ENGL 1010.

4. **Health Sciences application** – Complete and submit a performance-based Health Sciences application including a predmission degree evaluation during the open enrollment period.

**IMPORTANT:** Submission of a performance-based Health Sciences application does not guarantee acceptance to the program. Acceptance is based on points earned as listed in the program acceptance criteria point system. (See www.ccri.edu/dean-hrs.) At the time of admission, students must meet the current admission requirements. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application and meet the current admission requirements. Once accepted, students must attend a mandatory orientation conducted by the Allied Health Department.

5. **Background check** – Students are required to submit a background check when directed by notification from Enrollment Services.

**Program Requirements:**

- Student must hold current CPR certification (AHA Healthcare Provider Level) prior to RENL 1010.

**GAINFUL EMPLOYMENT INFORMATION**

Most students in the Renal Dialysis Technology certificate program attend classes part time. Therefore, the time to complete this certificate would be two semesters (or 12 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/dean-hrs/allied-health/renal-cert.html.
Certificate in Therapeutic Massage (CERT_TMSC)

Newport County Campus, Newport

The Therapeutic Massage program is accredited by the Commission on Massage Therapy Accreditation (COMTA), 5335 Wisconsin Ave. NW, Suite 440, Washington, DC, 20015; 202-859-1518; www.comta.org.

CCRI’s Massage Therapy Certificate Program combines a strong scientific basis for the understanding and application of various soft tissue massage therapy techniques, with high standards in professional development. The intensified evening weekend program is a 655-hour, 34-credit curriculum leading to a Massage Therapy Certificate. Our program is accredited by the Commission on Massage Therapy Accreditation (COMTA). The program emphasizes ethics, clinical assessment, critical thinking and entrepreneurship. Students are prepared for the Massage and Bodywork Licensing Exam (MBLEx), overseen by the Federation of State Massage Boards, to apply for a license to practice massage in the state of Rhode Island. The program can be completed in 12 months.

Students must be able to perform basic massage techniques and demonstrate the ability to give and receive a therapeutic massage treatment. Student must be at least 18 years old prior to taking TMSG 1000. Gainful Employment Information can be found by visiting the Vice President of Academic Affairs Website.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

This certificate program can be applied toward the associate degree in applied science in Therapeutic Massage. Students interested in completing the associate degree program in Therapeutic Massage may continue by enrolling in:

Fifth semester (Fall): TMSG 2030, 2040; COMM 1100; PSYC 2010 (online option)
Sixth semester (Spring): MATH 1420; PSYC 2030; General Education Elective

Total Additional Credits for Associate Degree 21

GENERAL POLICIES

See important general policies in the beginning of this section on the performance-based Health Sciences application process, academic progress, advanced placement, background check, CPR certification, health insurance, health records, reinstatement, transportation, uniforms and equipment.

Minimum requirements to apply to the Therapeutic Massage certificate program:

1. CCRI application – Complete and submit a CCRI Application for Enrollment. General Studies should be the first choice; TMSC should be the second choice.

2. High school transcript – An official copy of the applicant’s high school or GED® transcript, including date of graduation or, if the applicant holds a baccalaureate degree from an accredited college or university, the high school transcript may be waived; a college transcript must indicate completion and degree awarded.

3. Placement testing – English placement test results (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling must show readiness to take ENGL 1010 - Composition I or the applicant must have completed ENGL 1005 - College Writing with a grade of “C” or better. ENGL 1300 will not substitute for ENGL 1010.

4. Placement testing – Complete a standardized test (ACCUPLACER) issued by CCRI’s Department of Advising and Counseling. Competency of 75 or above is required for reading comprehension or completion of ENGL 0890 - Critical Reading with a grade of “B-” or better.

5. Complete the following courses with a grade of “C” or better:
   – BIOL 1070 - Human Anatomy and Physiology or both BIOL 1010 and BIOL 1020
   – TMSG 1000 - Introduction to Therapeutic Massage
   – RHAB 1100 - Foundational Kinesiology

6. Age requirement – Must be 18 years of age or older to register for TMSG 1000 - Introduction to Therapeutic Massage.

7. GPA – Earn a cumulative grade point average of 2.0 or better for all college courses taken.

8. Health Sciences application – Complete and submit performance-based Health Sciences application including a preadmission degree evaluation during the open enrollment period. The application and instructions can be found at www.ccri.edu/oes/admissions/index.html.

IMPORTANT: All the above requirements must be completed satisfactorily BEFORE submission of performance-based Health Sciences application and do not guarantee acceptance to the program. At the time of admission, the student must meet the current admission requirements of the program. Students declining acceptance into the program for the semester offered must resubmit a performance-based Health Sciences application for the program and meet the current admission requirements. Once accepted into Therapeutic Massage certificate program, the student must attend a mandatory orientation conducted by the Rehabilitative Health Department.

9. Background check – Students are required to submit a background check when directed by notification from Enrollment Services. Final acceptance to the program is dependent on the results of the background check.
Certificate in Therapeutic Massage (CERT_TMSC) (continued)

RECOMMENDED COURSE SEQUENCE:
Preadmission requirements: BIOL 1070; TMSG 1000  
First semester (Fall): TMSG 1020, 1040; ENGL 1010; RHAB 1010  
Second semester (Spring): RHAB 1030; TMSG 1030  
Third semester (Summer): TMSG 2010, 2020, 2021

PREADMISSION General Education Requirements
Note: These courses must be taken prior to program admission.

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>—</td>
<td>BIOL 1070 Human Anatomy and Physiology</td>
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General Education Requirements

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<th>COURSE TITLE</th>
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<tbody>
<tr>
<td>—</td>
<td>ENGL 1010 Composition I</td>
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</table>

Total General Education Credits (including preadmission) 6

PREADMISSION Major Requirements

<table>
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<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>_____</td>
<td>Introduction to Therapeutic Massage</td>
<td>2</td>
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<tr>
<td>_____</td>
<td>Foundational Kinesiology (online)</td>
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</table>

Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>_____</td>
<td>Pathophysiology for Rehabilitative Health Practitioners (online)</td>
<td>3</td>
</tr>
<tr>
<td>_____</td>
<td>Swedish Massage</td>
<td>5</td>
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<tr>
<td>_____</td>
<td>Deep Tissue Massage</td>
<td>5</td>
</tr>
<tr>
<td>_____</td>
<td>Introduction to Eastern Modalities</td>
<td>2</td>
</tr>
<tr>
<td>_____</td>
<td>Medical Terminology for Rehabilitation (online option)</td>
<td>1</td>
</tr>
<tr>
<td>_____</td>
<td>Introduction to Sports Massage</td>
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<tr>
<td>_____</td>
<td>Student Massage Clinic</td>
<td>3</td>
</tr>
<tr>
<td>_____</td>
<td>Massage Practice Building</td>
<td>2</td>
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</tbody>
</table>

Total Major Requirements Credits (including preadmission) 28

Total Certificate Credits 34

*TMSG 2020 includes 100 hours of on-site student/faculty clinic.

GAINFUL EMPLOYMENT INFORMATION
Most students in the Therapeutic Massage certificate program attend classes full time. Therefore, the time to complete this certificate would be four semesters (or 24 months). Students who choose to attend part time could complete this certificate program in six semesters (or 36 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/hrs/rehab-health/massage-cert.html.
Hospitality

Programs

Certificate Program
Concentrations
Culinary Arts Assistant
Hospitality
Travel and Tourism

Culinary Arts Assistant Concentration (CULN)
Certificate in Hospitality (CERT_HOSP)
Flanagan Campus, Lincoln, and Davies Career and Technical High School, Lincoln

The Culinary Arts Assistant concentration is a one-semester, full-time program designed to provide the skills and training in food production required for today’s job market. The purpose of the program is to address the expressed need for entry-level, skilled workers in Rhode Island’s food service industry. It aims to prepare competent, industry-ready individuals for employment in a variety of food-related establishments.

Note: The Culinary Arts Assistant program requires a special fee. Contact the Bursar’s office for more information. This one-semester or 15-week certificate program must be taken in its entirety. Courses are not available separately. This is a full-time program with classes meeting from 1 to 8 p.m. Enrollment is limited to 12 students each semester. Students must reapply if they are not admitted for the semester of their choice. There is a $1000 lab fee for this program. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

Admission Requirements:
To be admitted to this program you must:

• Submit an official high school or GED® transcript including the date of graduation or completion.
• Attend a mandatory information session.

Certificate Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>___ CULN 1000</td>
<td>Food Sanitation</td>
<td>3</td>
</tr>
<tr>
<td>___ CULN 1010</td>
<td>Fundamentals of Restaurant Operations</td>
<td>3</td>
</tr>
<tr>
<td>___ CULN 1020</td>
<td>Fundamentals of Food Production I</td>
<td>3</td>
</tr>
<tr>
<td>___ CULN 1030</td>
<td>Fundamentals of Food Production II</td>
<td>3</td>
</tr>
<tr>
<td>___ LIBA 1010</td>
<td>Cooperative Work Experience I</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Certificate Credits 16

Gainful Employment Information
Students in this certificate program attend full time and complete it in one semester (or six months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/bst/ofd/culinary-cert.html.
Hospitality Concentration (HOSP)

Travel and Tourism Concentration (TRVL)

Certificate in Hospitality (CERT_HOSP)

Knight Campus, Warwick only

Tourism is currently Rhode Island’s second-largest and fastest-growing industry. CCRI’S Travel and Tourism and Hospitality concentrations provide students with the skills and knowledge necessary for successful careers in this growing industry. Graduates are prepared for entry-level positions with airlines, airport operations, car rental companies, conventions and meetings, corporate travel and the cruise and lodging industries. Students have a choice of either a travel and tourism or hospitality concentration. In their last semester, students are given the opportunity to work in a local travel or hospitality environment.

Transfer: All general education as well as travel, tourism and hospitality courses transfer to Johnson & Wales University for a Travel, Tourism and Hospitality certificate.

Students who complete the Hospitality certificate program have two options:

- Enter the travel and tourism industry with marketable skills and training; or
- Continue their education in the CCRI General Studies associate degree program. The General Studies degree program requires 60 credits for completion, 28 of which are elective credits. The Travel, Tourism and Hospitality certificate program requires 33 credits, including three each in math and English, which are also part of the General Studies program. The remaining 28 credits from this program can be used to meet the 28 elective credits for the General Studies degree.

Note: Students may complete the Hospitality certificate program first and then apply all credits toward a General Studies degree or work concurrently in the two programs. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

GAINFUL EMPLOYMENT INFORMATION
Most students in this certificate program attend part time and take two courses each semester. Therefore, the average time to complete the Travel, Tourism and Hospitality certificate as a part-time student could be 6 semesters (or 36 months). Students who choose to attend full time could complete this certificate program in as few as two semesters (12 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/bst/oftd/travel-cert.html.

Certificate Core Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required courses for both concentrations</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>TRVL 1010</em></td>
<td>Introduction to Travel and Tourism</td>
<td>3</td>
</tr>
<tr>
<td><em>TRVL 1020</em></td>
<td>Destination Geography</td>
<td>3</td>
</tr>
<tr>
<td><em>TRVL 2030</em></td>
<td>Conference and Convention Planning</td>
<td>3</td>
</tr>
<tr>
<td><em>COMI 1100</em></td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td><em>OFTD 1120</em></td>
<td>Microcomputer Keyboarding OR Challenge Exam</td>
<td>3</td>
</tr>
<tr>
<td><em>ENGL 1010</em></td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td><em>MATH 1600</em></td>
<td>Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td><em>ADAS 2580</em></td>
<td>Administrative Office Technology</td>
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Additional required courses for concentration in HOSPITALITY only

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
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<tbody>
<tr>
<td><em>HOSP 1010</em></td>
<td>Lodging Management I</td>
<td>3</td>
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<tr>
<td><em>HOSP 1020</em></td>
<td>Lodging Management II</td>
<td>3</td>
</tr>
<tr>
<td><em>BUSN 2350</em></td>
<td>Human Resources Management</td>
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</table>

Additional required courses for concentration in TRAVEL AND TOURISM only

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
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<tbody>
<tr>
<td><em>TRVL 2010</em></td>
<td>Computer Reservation Systems I</td>
<td>3</td>
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<tr>
<td><em>TRVL 2110</em></td>
<td>Computer Reservation Systems II</td>
<td>3</td>
</tr>
<tr>
<td><em>TRVL 2020</em></td>
<td>Travel Agency Operations and Administration</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Certificate Credits 33
Human Services

The Human Services program prepares students for entry-level positions in a variety of educational and social service professions and for transfer to bachelor’s degree programs at institutions of higher education throughout the country.

The sequence of competency-based courses required for the associate degree combines classroom and fieldwork experience in the areas of child development and family relations, early childhood education, public school education, child and adult services for special needs populations, social work, gerontology, mental health and substance abuse. All students complete three internships in a school, agency or program setting in their chosen concentration. Each concentration provides 50 to 90 hours of field experience and a corresponding seminar for educational and clinical supervision. This provides students with a well-integrated balance of theory and practice for personal and professional development.

Graduates of the Human Services program perform a variety of educational, therapeutic, supportive and direct service functions for diverse individuals of all ages with educational, emotional, social, developmental and physical needs.

Graduate Options:
Human Services program graduates have three options:

OPTION 1: Enter employment directly upon graduation. Students often are offered a position in the school or agency where they have completed their internship.

OPTION 2: Transfer to a four-year college. Human Services faculty are readily available to assist with CCRI course selection that will prepare students for transfer.

OPTION 3: Enter the workforce while working toward completion of a bachelor’s degree. This is one of the most common options selected by CCRI graduates.
Early Childhood Education and Child Development Concentration (CHLD)
Associate in Arts Degree in Education (AA_EDUC)

Child development and early childhood education majors are trained to work with families, parents, young children and those who impact the development and well being of children. Child development associates may be employed in a variety of educational and social settings including child care facilities, Head Start programs, preschools, public schools, group homes and residential care facilities. Child development associates are nationally recognized and have an ample number of bachelor’s degree programs within close proximity to further their education beyond the associate degree. Three field placements provide students with critical opportunities for competency-based professional development.

The Early Childhood Education and Child Development concentration is fully accredited through the National Association for the Education of Young Children.

Students who plan to transfer to a four-year college for early childhood education are required to meet with a Human Services faculty adviser during their first semester to map out their program of study. Students who have completed their CDA-Child Development Associate are required to meet with a Human Services faculty adviser to apply for prior learning assessment credits toward their degree.

Note: Students enrolled in the Human Services program must earn a grade of “C” or better in all Human Services courses. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:
First semester: ENGL 1010; HMNS 1010, 2100; PSYC 2010; MATH Science Elective; Social Science OR Foreign Language Elective
Second semester: ENGL Literature Elective; HMNS 1210, 2120; PSYC 2030; Science Elective; OR Social Science OR Foreign Language Elective
Third semester: HMNS 2070, 2150, 2310; SOCS 1010 OR 2040; Social Science OR Foreign Language Elective
Fourth semester: Approved Elective; ARTS, MUSC, THEA OR Language Elective; HMNS 2410, 2900; PSYC 2070

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>ENGL 1010*</td>
<td>Composition I</td>
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<tr>
<td>ARTS, MUSC, THEA</td>
<td>Fine Arts</td>
<td>3</td>
</tr>
<tr>
<td>OR Language Elective*</td>
<td>OR Language course</td>
<td></td>
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<tr>
<td>ENGL Literature Elective*</td>
<td>Children’s Literature (recommended)</td>
<td>3</td>
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<tr>
<td>MATH+</td>
<td>MATH 0600 for proficiency OR MATH elective (recommended for transfer)</td>
<td>0-3</td>
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<tr>
<td>PSYC 2010*</td>
<td>General Psychology</td>
<td>3</td>
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<tr>
<td>PSYC 2030*</td>
<td>Developmental Psychology</td>
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<td>PSYC 2070**</td>
<td>Educational Psychology</td>
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<tr>
<td>Science Elective+</td>
<td>A lab science is recommended for transfer.</td>
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<tr>
<td>SOCS 1010</td>
<td>General Sociology</td>
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<tr>
<td>OR SOCS 2040</td>
<td>OR Cultural Diversity</td>
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<tr>
<td>Two (2) Social Science AND/OR</td>
<td>Choose from Category I. (See next page.)</td>
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</tr>
</tbody>
</table>

Total General Education Credits: 30–34

(Major requirements continued on next page.)

*Courses/requirements that may not be substituted or waived.

+Selection of math and science courses for transfer should be done in consultation with a Human Services faculty adviser during the first semester of study.

**Courses/requirements that may not be substituted or waived. A higher-level educational psychology course may be required by some teacher preparation bachelor’s degree programs; therefore, students transferring to Rhode Island College are advised to meet with an adviser at RIC.
## Category 1 – Choose two from the following list:

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 2030</td>
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</tr>
<tr>
<td>ECON 2040</td>
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<td></td>
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<tr>
<td>FREN 1010</td>
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<tr>
<td>FREN 1020</td>
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<tr>
<td>FREN 1030</td>
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<tr>
<td>FREN 2010</td>
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<td>HIST 1010</td>
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<tr>
<td>HIST 1020</td>
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<tr>
<td>HIST 1210</td>
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<td>HIST 1220</td>
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<td>PHIL 1010</td>
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<tr>
<td>PHIL 1020</td>
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<td></td>
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<tr>
<td>PHIL 2020</td>
<td></td>
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<tr>
<td>PHIL 2030</td>
<td></td>
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<tr>
<td>PHIL 2070</td>
<td></td>
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<tr>
<td>PHIL 2090</td>
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<tr>
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<tr>
<td>PORT 2010</td>
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<td>PORT 2020</td>
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<td>PSYC 1030</td>
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<td>PSYC 1970</td>
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<td>PSYC 2090</td>
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<tr>
<td>PSYC 2110</td>
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<td>SOCS 1010</td>
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<tr>
<td>SOCS 2020</td>
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<tr>
<td>SOCS 2030</td>
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<td>SOCS 2050</td>
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<td>SOCS 2110</td>
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<td>SPAN 1010</td>
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<td>SPAN 1020</td>
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<td>SPAN 1030</td>
<td></td>
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</tr>
<tr>
<td>SPAN 1040</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Category 2 – Choose one or two from the following list to fulfill Human Services elective(s) requirements:

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
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<tbody>
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<td>ENGL 2200</td>
<td></td>
</tr>
<tr>
<td>HMNS 1080</td>
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</tr>
<tr>
<td>HMNS 2030</td>
<td></td>
</tr>
<tr>
<td>HMNS 2060</td>
<td></td>
</tr>
<tr>
<td>HMNS 2140</td>
<td></td>
</tr>
<tr>
<td>HMNS 2170</td>
<td></td>
</tr>
<tr>
<td>HMNS 2190</td>
<td></td>
</tr>
<tr>
<td>MUSC 1170</td>
<td></td>
</tr>
<tr>
<td>THEA 1150</td>
<td></td>
</tr>
<tr>
<td>THEA 1170</td>
<td></td>
</tr>
<tr>
<td>THEA 1190</td>
<td></td>
</tr>
</tbody>
</table>

## Total Major Requirements Credits

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUMNS 1010*</td>
<td>Introduction to Helping and Human Services</td>
<td>3</td>
</tr>
<tr>
<td>HUMNS 2100*</td>
<td>Child Growth and Development Skills</td>
<td>3</td>
</tr>
<tr>
<td>HUMNS 1210*</td>
<td>Field Experience and Seminar I – Child Development</td>
<td>3</td>
</tr>
<tr>
<td>HUMNS 2120</td>
<td>Curriculum for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>HUMNS 2310*</td>
<td>Field Experience and Seminar II – Child Development</td>
<td>3</td>
</tr>
<tr>
<td>HUMNS 2070*</td>
<td>Characteristics and Needs of Special Populations</td>
<td>3</td>
</tr>
<tr>
<td>HUMNS 2150</td>
<td>Parent and Child Relations</td>
<td>3</td>
</tr>
<tr>
<td>HUMNS 2410*</td>
<td>Field Experience and Seminar III – Child Development</td>
<td>3</td>
</tr>
<tr>
<td>HUMNS 2900*</td>
<td>Human Service Capstone</td>
<td>3</td>
</tr>
<tr>
<td>One Human</td>
<td>Service Elective***</td>
<td></td>
</tr>
</tbody>
</table>

**Courses/requirements that may not be substituted or waived.

*Selection of math and science courses for transfer should be done in consultation with a Human Services faculty adviser during the first semester of study.

**Courses/requirements that may not be substituted or waived. A higher-level educational psychology course may be required by some teacher preparation bachelor’s degree programs; therefore, students transferring to Rhode Island College are advised to meet with an adviser at RIC.

***Consult with a faculty adviser before registering for this course. A minimum of 60 credits must be completed to graduate. If you select MATH 0600 for proficiency in-house credits only, you will need one Human Services elective to graduate.
### Education/Special Education Concentration (ESPE)

#### Associate in Arts Degree in Education (AA_EDUC)

Students training in the education and special needs concentrations are qualified for employment in a variety of education and social service settings. These may include teacher assistant positions in kindergarten, public and special education classrooms, early intervention centers, residential group homes, hospitals and community day programs. In all of these settings, teacher assistants and aides provide direct support to children and adults, helping them to reach their maximum physical, emotional, educational and vocational potential. Three internships provide students with critical opportunities for supervised guidance as to best practices for working with able bodied, as well as special needs, individuals and groups.

**Note:** Students enrolled in the Human Services program must earn a grade of “C” or better in all Human Services courses. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

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### General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010*</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ARTS, MUSC, THEA</td>
<td>Fine Arts OR Language course</td>
<td>3</td>
</tr>
<tr>
<td>ENGL Literature</td>
<td>Children’s Literature (recommended)</td>
<td>3</td>
</tr>
<tr>
<td>Math+</td>
<td>MATH 0600 for proficiency OR MATH Elective (recommended for transfer)</td>
<td>0–3</td>
</tr>
<tr>
<td>PSYC 2010*</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2030*</td>
<td>Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2110*</td>
<td>OR Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2070**</td>
<td>Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Science Elective+</td>
<td>A lab science is recommended for transfer. See page 23 for a complete list of classes that fulfill the LABS attribute.</td>
<td>3–4</td>
</tr>
<tr>
<td>SOCS 1010</td>
<td>General Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Note:** Students enrolled in the Human Services program must earn a grade of “C” or better in all Human Services courses. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

---

**RECOMMENDED COURSE SEQUENCE:**

- **First semester:** ENGL 1010; HMNS 1010, 2060 OR 2070; MATH; PSYC 2010
- **Second semester:** Approved Elective; HMNS 1220, 2060 OR 2070, 2100; ENGL Literature Elective; PSYC 2030 OR 2110
- **Third semester:** Approved Elective; HMNS 2170 OR 2180, 2320; Science Elective; SOCS 1010
- **Fourth semester:** Approved Elective; ARTS, MUSC, THEA OR Language Elective; HMNS 2420, 2900; PSYC 2070

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(Major requirements continued on next page.)

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*Courses/requirements that may not be substituted or waived.

*For Science Elective only – courses/requirements that may not be substituted or waived. Selection of math and science courses for transfer should be done in consultation with a Human Services faculty adviser during the first semester of study.

**Courses/requirements that may not be substituted or waived. A higher-level educational psychology course may be required by some teacher preparation bachelor’s degree programs; therefore, students transferring to Rhode Island College are advised to meet with an adviser at RIC.

---

**Recommended Course Sequence:**

- **First semester:** ENGL 1010; HMNS 1010, 2060 OR 2070; MATH; PSYC 2010
- **Second semester:** Approved Elective; HMNS 1220, 2060 OR 2070, 2100; ENGL Literature Elective; PSYC 2030 OR 2110
- **Third semester:** Approved Elective; HMNS 2170 OR 2180, 2320; Science Elective; SOCS 1010
- **Fourth semester:** Approved Elective; ARTS, MUSC, THEA OR Language Elective; HMNS 2420, 2900; PSYC 2070

---

(Major requirements continued on next page.)
### Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>_HMNS 1010*</td>
<td>Introduction to Helping and Human Services</td>
<td>3</td>
</tr>
<tr>
<td>_HMNS 2060***</td>
<td>Foundations of Teaching and Learning</td>
<td>3</td>
</tr>
<tr>
<td>_HMNS 2070***</td>
<td>Characteristics and Needs of Special Populations</td>
<td>3</td>
</tr>
<tr>
<td>_HMNS 1220*</td>
<td>Field Experience and Seminar I – Education/Special Needs</td>
<td>3</td>
</tr>
<tr>
<td>_HMNS 2100*</td>
<td>Child Growth and Development Skills</td>
<td>3</td>
</tr>
<tr>
<td>_HMNS 2320*</td>
<td>Field Experience and Seminar II – Education/Special Needs</td>
<td>3</td>
</tr>
<tr>
<td>_HMNS 2170*</td>
<td>Learning Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>_OR HMNS 2180*</td>
<td>Significant Developmental Disabilities</td>
<td></td>
</tr>
<tr>
<td>_HMNS 2420*</td>
<td>Field Experience and Seminar III – Education/Special Needs</td>
<td>3</td>
</tr>
<tr>
<td>_HMNS 2900*</td>
<td>Human Services Capstone</td>
<td>3</td>
</tr>
<tr>
<td>_Electives***</td>
<td>Select six to nine credits from approved elective course list above.</td>
<td>6–9</td>
</tr>
</tbody>
</table>

### Total Major Requirements Credits

33–36

### Total Program Credits

60–64

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*Courses/requirements that may not be substituted or waived.

+For Science Elective only – courses/requirements that may not be substituted or waived. Selection of math and science courses for transfer should be done in consultation with a Human Services faculty adviser during the first semester of study.

**Courses/requirements that may not be substituted or waived. A higher-level educational psychology course may be required by some teacher preparation bachelor’s degree programs; therefore, students transferring to Rhode Island College are advised to meet with an adviser at RIC.

***Courses/requirements that may not be substituted or waived. See list of approved electives above. Consult with Human Services faculty adviser. Note: Special Education students should take HMNS 2070 first. Education students should take HMNS 2060 first. HMNS 2710 is necessary for successful transfer of HMNS 2060 to Rhode Island College. HMNS 2080 is necessary for successful transfer of HMNS 2070 to Rhode Island College. Note: A minimum of 60 credits must be completed to graduate; students selecting MATH 0600 for proficiency/in-house credits will need three credits from human services electives.

---

## Approved elective course list:

- COMI 1100
- COMM 1100
- ENGL 2200
- HMNS 1040, 1060, 1070, 1080, 1150, 1160, 2080, 2120, 2140, 2150, 2170, 2180, 2710
- HIST 1010, 1020, 2260
- MUSC 1170
- PHIL 1010, 2030, 2040
- PSYC 1030, 1970, 2030, 2050, 2090, 2110
- THEA 1150
- HIST 1010, 1020, 2260
- MUSC 1170
- PHIL 1010, 2030, 2040
- PSYC 1030, 1970, 2030, 2050, 2090, 2110
- THEA 1150

---

Similarly, the above table and notes ensure a clear understanding of the academic requirements and elective possibilities within the Human Services program, providing a comprehensive guide for students pursuing their degree.
Social Service Majors
Gerontology (GERN), Mental Health (MNTL), Social Work (SOWK), and Substance Abuse (SUBS)
Associate in Arts Degree in Social Services (AA_SOSC)

Gerontology
Gerontology workers perform a wide variety of functions in the field of elder care. They are employed by nursing homes, adult day care centers, senior centers and some hospitals. Gerontology workers are trained to assist elder clients with daily living, physical care, recreation and supportive companionship.

Mental Health
Mental health workers are trained to assist people who have mild to severe emotional problems and mental illnesses. They may find employment in group homes, hospitals, mental health agencies, community centers and assisted living programs designed to help clients of all ages achieve functional independence to their maximum capacity. They may function as advocates, intake interviewers, case aides, home visitors, program coordinators and counselors to children. Three internships are an integral part of each student’s professional preparation program.

Social Work
Social work students are provided with foundation courses that prepare them to be social service providers in a wide variety of agency program and community settings with clients of all ages. From advocacy and social activism to therapeutic assistance to children and families, social workers impact all phases of a client’s life. Three internships are an integral part of each student’s program of study and there are a variety of B.S.W. and M.S.W. programs available in Rhode Island for advanced study.

Substance Abuse
Substance abuse workers are trained in clinical skills that prepare them for employment in prevention, early intervention and rehabilitative treatment programs with adolescents and adults at risk or suffering with addictive and compulsive disorders. Three internships are an integral part of each student’s professional preparation and CCRI courses are a firm foundation for Rhode Island’s licensure credential. Rhode Island College (RIC) offers a B.A. in Addiction Studies and the Drug and Alcohol Treatment Association of Rhode Island (DATA) provides training for the Certification of Chemical Dependency Prevention Professionals in Rhode Island.

Transfer Information
The Human Services program at CCRI has a solid articulation transfer agreement with the School of Social Work at RIC that provides full transfer of all courses completed for the social work major toward the B.S.W. Students must follow the new transfer guide or obtain copies from their Human Services faculty advisers.

Note: Students enrolled in the Human Services program must earn a grade of “C” or better in all Human Services courses. Students should consider transfer requirements when selecting math and science courses.
Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.
### General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>ENGL 1010*</td>
<td>Composition I</td>
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</tr>
<tr>
<td>Literature, Fine Arts OR Language Elective*</td>
<td>See page 23 for complete list of courses that fulfill the LITR, FINE or LANG attribute.</td>
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<tr>
<td>MATH+</td>
<td>MATH 0600 for proficiency OR MATH Elective (recommended for transfer)</td>
<td>0–3</td>
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<td>PSYC 2010*</td>
<td>General Psychology</td>
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<td>PSYC 2020*</td>
<td>Social Psychology</td>
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<tr>
<td>PSYC 2030*</td>
<td>Developmental Psychology</td>
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</tr>
<tr>
<td>Science Elective ++</td>
<td>A lab science is recommended for transfer.</td>
<td>3–4</td>
</tr>
<tr>
<td>SOCS 1010*</td>
<td>General Sociology</td>
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<tr>
<td>OR SOCS 2040*</td>
<td>OR Cultural Diversity</td>
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<tr>
<td>Social Science Electives*</td>
<td>Choose six credits from Categories 1–4.</td>
<td>6</td>
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Total General Education Credits 27–31

### Major Requirements

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<th>COURSE NO.</th>
<th>COURSE TITLE</th>
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<tr>
<td>HMNS 1010*</td>
<td>Introduction to Helping and Human Services</td>
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<tr>
<td>HMNS 2200*</td>
<td>Assessment Interviewing for Treatment Planning</td>
<td>3</td>
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<tr>
<td>HMNS 1200*</td>
<td>Practicum I: Service Learning</td>
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<tr>
<td>HMNS 2130*</td>
<td>Therapeutic Interventions I: Working With Individuals</td>
<td>3</td>
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<tr>
<td>HMNS 1040</td>
<td>Drugs and Human Behavior</td>
<td>4</td>
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<tr>
<td>HMNS 2340</td>
<td>Field Experience Seminar I: Social Work and Gerontology</td>
<td>3</td>
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<tr>
<td>OR HMNS 2360</td>
<td>OR Mental Health and Substance Abuse</td>
<td></td>
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<tr>
<td>HMNS 2110</td>
<td>Introduction to Social Work and Social Welfare</td>
<td>4</td>
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<tr>
<td>HMNS 2135</td>
<td>Therapeutic Interventions II: Group Process and Practice OR Individuals, Families and Small Groups</td>
<td>3</td>
</tr>
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<td>OR HMNS 2230*</td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>HMNS 2440*</td>
<td>Field Experience Seminar III: Social Work and Gerontology OR Mental Health and Substance Abuse</td>
<td>3</td>
</tr>
<tr>
<td>OR HMNS 2460*</td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>HMNS 2900*</td>
<td>Human Services Capstone</td>
<td>3</td>
</tr>
<tr>
<td>Human Services Elective**</td>
<td>Select one course from Category 5.</td>
<td>3</td>
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</tbody>
</table>

Total Major Requirements Credits 35

### Total Program Credits

62–66

### Category choices for Social Science and Human Services electives:

Category 1: PSYC 1030, 1970, 2040, 2050, 2090, 2110
Category 2: SOCS 2020, 2030, 2040, 2300, 2310
Category 3: ECON 2030, 2040
Category 4: POLS 1010, 1030
Category 5: HMNS 1060, 1090, 2070, 2135, 2150, 2160, 2210, 2230, Field II experience outside one’s concentration

*Courses/requirements that may not be substituted or waived.
+Selection of math and science courses for transfer should be done in consultation with a Human Services faculty adviser during the first semester of study.
**If you take a three-credit math, you may omit this elective, as 60 credits are required to graduate.
Developmental Disabilities Concentration (CDVD)

Certificate in Human Services (CERT_HMNS)

The concentration in Developmental Disabilities at CCRI prepares students to provide support to individuals with disabilities in a variety of home, work, school and recreation environments. Emphasis is placed on students applying their skills in increasingly complex systems of support that facilitate the inclusion of people with disabilities in the fabric of society.

Note: Certificate courses are offered days and evenings and all courses directly apply toward the department’s A.A. degree. All courses must be completed with a grade of “C” or better. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

Admissions Requirements:
• High school diploma or GED® credential.
• Application to CCRI and high school transcript/GED® official notice.
• Acceptable ACT® test scores (developmental courses as recommended).

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMNS 1010</td>
<td>Introduction to Helping and Human Services</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 1150</td>
<td>Direct Support Professional Training I</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 1160</td>
<td>Direct Support Professional Training II</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 1201</td>
<td>Practicum for Developmental Disabilities</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2070</td>
<td>Characteristics and Needs of Special Populations</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2180</td>
<td>Significant Developmental Disabilities</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Certificate Credits 18

RECOMMENDED COURSE SEQUENCE:
First semester: HMNS 1010, 1150, 2070
Second semester: HMNS 1160, 1201, 2180

GAINFUL EMPLOYMENT INFORMATION
Most students in this certificate program attend part time and take two courses each semester. Therefore, the average time to complete the Developmental Disabilities certificate as a part-time student could be three semesters (18 months). Students who choose to attend full time could complete this certificate program in as few as two semesters (12 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit www.ccri.edu/acadaffairs/gainful-employment/ahss/hmns/develop-disability-cert.html.
HUMAN SERVICES

### Early Childhood Education Concentration (CHLC)
#### Certificate in Human Services (AA_HMNS)

The concentration in Early Childhood Education is for the working student who wishes to improve or upgrade his/her knowledge and skills in early childhood development and child care. Courses are offered days and evenings and all courses directly apply toward the department’s A.A. degree. The Early Childhood Certificate is not a teaching credential for the R.I. Department of Education.

_NOTE:_ All courses must be completed with a “C” or better. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMNS 1010</td>
<td>Introduction to Helping and Human Services</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 1080</td>
<td>Health, Nutrition and the Young Child</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 1210</td>
<td>Field Experience and Seminar 1 – Child Development</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2070</td>
<td>Characteristics and Needs of Special Populations</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2100</td>
<td>Child Growth and Development Skills</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2120</td>
<td>Curriculum for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2150</td>
<td>Parent and Child Relations</td>
<td>3</td>
</tr>
<tr>
<td>HMNS Elective</td>
<td>Choose one of the following three credit courses:</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HMNS 2030, 2140 OR 2190</td>
<td></td>
</tr>
</tbody>
</table>

_Total Certificate Credits_  

24

### Social Services Concentration (CSOS)
#### Certificate in Human Services (CERT_HMNS)

The concentration in Social Services is for students who may either already be employed or interested in social services. It is a brief program (five courses) that introduces the field of social services and equips students with the necessary skills to enter the field. Students can find employment in governmental social service agencies, the correctional system, nonprofit service agencies and schools. Courses are offered days and evenings and all courses directly apply toward the department’s A.A. degree.

_NOTE:_ All courses must be completed with a “C” or better. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMNS 1010</td>
<td>Introduction to Helping and Human Services</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 1040</td>
<td>Drugs and Human Behavior</td>
<td>4</td>
</tr>
<tr>
<td>HMNS 1200</td>
<td>Practicum I: Service Learning</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2200</td>
<td>Assessment Interviewing for Treatment Planning</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2130</td>
<td>Therapeutic Interventions 1: Working with Individuals</td>
<td>3</td>
</tr>
</tbody>
</table>

_Total Certificate Credits_  

16

### Recommended Course Sequence:

**First semester:** HMNS 1010, 1080, 2100, 2150  
**Second semester:** HMNS 1210, 2120, 2070, and one of the following three courses must be taken: HMNS 2030, 2140 OR 2190

**First semester:** HMNS 1010, 1040, 1200, 2130  
**Second semester:** HMNS 1210, 2120, 2070, and one of the following three courses must be taken: HMNS 2030, 2140 OR 2190

### Gainful Employment Information

Most students in this certificate program attend part time and take two courses each semester. Therefore, the average time to complete the Early Childhood Education certificate as a part-time student could be four semesters. Students who choose to attend full time could complete this certificate program in as few as two semesters (12 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit [www.ccri.edu/acadaffairs/gainful-employment/ahss/hmns/early-child-ed-cert.html](http://www.ccri.edu/acadaffairs/gainful-employment/ahss/hmns/early-child-ed-cert.html).

Most students in this certificate program attend part time and take two courses each semester. Therefore, the average time to complete the Social Services certificate as a part-time student could be three semesters (18 months). Students who choose to attend full time could complete this certificate program in as few as two semesters (12 months). For more information about the number of CCRI graduates in this program and other important gainful employment information, please visit [www.ccri.edu/acadaffairs/gainful-employment/ahss/hmns/soc-serv-cert.html](http://www.ccri.edu/acadaffairs/gainful-employment/ahss/hmns/soc-serv-cert.html).
Gerontology Concentration (GERN)
Certificate in Human Services (CERT_HMNS)

The certificate in Gerontology is for students who may be currently employed or interested in working with the aging or elderly populations. The program also introduces students to the profession of Human Services with a focus in Gerontology. The Gerontology Certificate is designed to assist students in learning and improving skill sets in geriatric care services and developing an awareness of multidisciplinary supports necessary to care for aging and elderly individuals. Courses are offered days and evenings.

Note: All courses must be completed with a grade of “C” or better. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE:
First semester: HMNS 1010, 2200, 1090, 2520
Second semester: HMNS 2515, 2540, 2590 and one of the following 2560 OR 2530

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMNS 1010</td>
<td>Introduction to Helping and Human Services</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2200</td>
<td>Assessment Interviewing for Treatment Planning</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 1090</td>
<td>Foundations of Gerontology and Elder Care</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2515</td>
<td>Major Health Issues for the Elderly: Implications for Human Services</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2590</td>
<td>Service Learning Practicum for Gerontology</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2520</td>
<td>Social and Psychosocial Characteristics of Aging and Elderly</td>
<td>3</td>
</tr>
<tr>
<td>HMNS 2560</td>
<td>Healthy and Successful Aging</td>
<td>3</td>
</tr>
<tr>
<td>HMNS Elective</td>
<td>Choose one of the following 3 credit courses</td>
<td></td>
</tr>
<tr>
<td>HMNS 2530</td>
<td>Legal and Financial Literacy: Human Service Resources</td>
<td></td>
</tr>
<tr>
<td>HMNS 2540</td>
<td>Human Services Advocacy for Aging and Elderly</td>
<td></td>
</tr>
</tbody>
</table>

Total Certificate Credits 24
Law Enforcement and Legal Studies

CCRI’s Criminal Justice and Legal Studies Department offers the associate in science degree in Legal Studies with two concentrations – Law Enforcement and Paralegal Studies. Law Enforcement majors must take a capstone course to complete the requirements to graduate. Graduation requirements for students in the Paralegal Studies concentration include completing a portfolio of their classwork.

The Law classes are open to all students in the major and are available for students in Business Administration, Administrative Office Technology and all Liberal Arts programs as well.

Associate Degree
Program Concentrations
   Law Enforcement
   Paralegal Studies
Law Enforcement Concentration (LENF)

Associate in Science Degree in Legal Studies (AS_LGAL)

The Community College of Rhode Island offers a degree program for individuals interested in a career in law enforcement and for those currently working in the field. The program is designed to provide students with a background in academic courses as well as specialized training.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for detail.

RECOMMENDED COURSE SEQUENCE:

First semester: COMI 1100; LAWS 1000, 1010, 1020
Second semester: LAWS 1030, 2010, 2030, 2050
Third semester: LAWS 1040, 2040; LAWS Elective
Fourth semester: LAWS 2000, 2500

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MATH Elective</td>
<td>Any 1000 level</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 1030</td>
<td>Psychology of Personal Adjustment</td>
<td>3</td>
</tr>
<tr>
<td>OR PSYC 2010</td>
<td>General Psychology</td>
<td></td>
</tr>
<tr>
<td>SOCS 1010</td>
<td>General Sociology</td>
<td>3</td>
</tr>
<tr>
<td>OR SOCS 2300</td>
<td>Criminology</td>
<td></td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Oral Communication I</td>
<td>3</td>
</tr>
<tr>
<td>Humanities/ Social Science Electives</td>
<td>Choose two courses:</td>
<td>6</td>
</tr>
<tr>
<td>ENGL: 1200, 1230, 1250, 1290; any one semester history course; POLS 1010, 1030; PSYC 1970, 2020; SOCS 2030, 2050; SPAN 1230</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total General Education Credits 21

Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAWS 1000</td>
<td>Introduction to Law Enforcement</td>
<td>3</td>
</tr>
<tr>
<td>LAWS 1010</td>
<td>Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>LAWS 1020</td>
<td>Criminal Procedure (formerly Administration of Justice)</td>
<td>3</td>
</tr>
<tr>
<td>LAWS 1030</td>
<td>Criminalistics I</td>
<td>3</td>
</tr>
<tr>
<td>LAWS 1040</td>
<td>Criminalistics II</td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2000</td>
<td>Constitutional Law</td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2010</td>
<td>Law of Evidence</td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2030</td>
<td>Criminal Law and the Constitution</td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2040</td>
<td>Law and Society</td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2050</td>
<td>Law of Contracts</td>
<td>3</td>
</tr>
<tr>
<td>LAWS Elective</td>
<td>Select from: LAWS 2060, 2070, 2100; LIBA 1010</td>
<td>3</td>
</tr>
<tr>
<td>LAWS 2500*</td>
<td>Case Studies in Criminal Law (Capstone course)†</td>
<td>3</td>
</tr>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Major Requirements Credits 39

Total Program Credits 60

*There is a capstone course for students enrolling in the Law Enforcement major. The required capstone course integrates learning from prior coursework. Students will need to have taken LAWS 1010, 1020, 1030, 2010 and 2030 prior to taking Case Studies in Criminal Law. A description of the capstone course requirement appears on the department’s website at www.ccri.edu/laws and in the back of this catalog.
Paralegal Studies Concentration (PALG)

Associate in Science Degree in Legal Studies (AS_LGAL)

The Community College of Rhode Island offers a degree program for individuals interested in a career as a legal assistant. Graduates of the program have the option of entering the workforce as a trained paralegal or continuing their education by transferring to a college offering a bachelor’s degree program in paralegal studies.

Paralegal portfolio requirement: For students enrolling in the Paralegal major, the completion of a portfolio of their coursework will be required near the end of their course of study. The students will prepare the portfolio as part of either LAWS 2020 or 2090, whichever one of these two courses they take last.

Details on what must be included in the portfolio can be found on the department’s website at www.ccri.edu/laws.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for detail.

RECOMMENDED COURSE SEQUENCE:

First semester: LAWS 1020, 1080, 2050
Second semester: COMI 1100; LAWS 2010, 2060
Third semester: COMI; LAWS 2020, 2070, 2100
Fourth semester: LAWS 1010, 2000, 2030, 2040, 2090

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>COMM 1100</td>
<td>Oral Communication I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL</td>
<td>Any literature course</td>
<td>3</td>
</tr>
<tr>
<td>MATH Elective</td>
<td>Any 1000 level</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2010</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Humanities/ Social Science Electives</td>
<td>See page 22 for complete list of courses that fulfill the HUMN or SSCI attribute.</td>
<td>6</td>
</tr>
</tbody>
</table>

Total General Education Credits 21

Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>— COMI 1100*</td>
<td>Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>— OR COMI</td>
<td>OR Select three modules from: COMI 1420, 1430, 1432, 1645, 1650 (5 weeks each)</td>
<td></td>
</tr>
<tr>
<td>— COMI 1640</td>
<td>Introduction to Word Processing (5 weeks)</td>
<td>1</td>
</tr>
<tr>
<td>— BUSN 1220</td>
<td>QuickBooks, Computer Application</td>
<td>1</td>
</tr>
<tr>
<td>— COMI</td>
<td>Choose from COMI 1420, 1430, 1432, 1645, 1650.</td>
<td>1</td>
</tr>
<tr>
<td>— LAWS 1020</td>
<td>Criminal Procedure (formerly Administration of Justice)</td>
<td>3</td>
</tr>
<tr>
<td>— LAWS 1080</td>
<td>Introduction to Paralegal Studies</td>
<td>3</td>
</tr>
<tr>
<td>— LAWS 2050</td>
<td>Law of Contracts</td>
<td>3</td>
</tr>
<tr>
<td>— LAWS 2010</td>
<td>Law of Evidence</td>
<td>3</td>
</tr>
<tr>
<td>— LAWS 2060</td>
<td>The Law of Property, Estates and Trusts</td>
<td>3</td>
</tr>
<tr>
<td>— LAWS 2000</td>
<td>Constitutional Law</td>
<td>3</td>
</tr>
<tr>
<td>— LAWS 2020</td>
<td>Basic Civil Procedure for Paralegals</td>
<td>3</td>
</tr>
<tr>
<td>— LAWS 2070</td>
<td>Law of Business Organization</td>
<td>3</td>
</tr>
<tr>
<td>— LAWS Elective</td>
<td>Select one course from LAWS 1010, 2030, 2040; LIBA 1010.</td>
<td>3</td>
</tr>
<tr>
<td>— LAWS 2090</td>
<td>Legal Research and Writing</td>
<td>4</td>
</tr>
<tr>
<td>— LAWS 2100</td>
<td>Law of Torts</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Major Requirements Credits 40

Total Program Credits 61

*Note: In place of the three-credit Introduction to Computers (COMI 1100) course, students may take three one-credit computer modules.
Liberal Arts

Liberal Arts Concentration (LIBA)
Associate in Arts Degree in Liberal Arts (AS_LIBA)

The Liberal Arts program provides the first two years of a traditional liberal arts curriculum. Most CCRI students who enroll in this program plan to transfer to a four-year college or university in pursuit of a bachelor’s degree.

The Liberal Arts program offers students the opportunity to acquire a perspective on world cultures and language while developing essential skills in critical reading, organization, effective writing, analysis and research. Students who successfully complete this program and/or a Liberal Arts concentration receive an Associate in Arts (A.A.) degree.

Concentrations: Students may concentrate in: English, foreign languages, liberal arts or mathematics. All Liberal Arts students must complete six sequential credits of foreign language under the general education requirements. Liberal Arts students who wish to pursue a Liberal Arts degree with a concentration in foreign language are required to take an additional six sequential credits of the same language at the Intermediate 1 and 2 levels (2010 and 2020) or Advanced 1 and 2 levels (2210 and 2220) as well as complete three credits in a second foreign language at the elementary level or above. See the following pages for concentration requirements.

Note: Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for detail.

Major Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010*</td>
<td>Composition I*</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2015</td>
<td>Composition II for Liberal Arts</td>
<td>3</td>
</tr>
<tr>
<td>Literature</td>
<td>Recommended that Liberal Arts candidates take two literature courses. See page 23 for a complete list of courses that fulfill the LITR attribute.</td>
<td>3–6</td>
</tr>
<tr>
<td>MATH 1430 AND 1450</td>
<td>Math requirements may be fulfilled by any sequence of math courses EXCEPT</td>
<td>6</td>
</tr>
<tr>
<td>OR</td>
<td>MATH 0500, 0600, 0700, 1420, 1600 and 1620, which CANNOT be used to fulfill math requirements.</td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td>MATH 1430 AND 1470</td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td>MATH 1430 AND 1472</td>
<td></td>
</tr>
<tr>
<td>OR</td>
<td>MATH 1430 AND 1475</td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td>Take two courses from the following: ASTR 1010, 1020; BIOL 1001, 1002, 1005, 1010, 1020, 1060; CHEM 1000, 1010, 1030, 1100; GEOL 1010, 1020; OCEN 1010 AND 1030 (both required); PHYS 1000, 1030, 1040</td>
<td>8</td>
</tr>
<tr>
<td>HIST AND</td>
<td>Select six sequential credits in history (e.g. HIST 1010 and 1020 or HIST 1210 and 1220) AND three credits in: Sociology, Economics, Psychology, Political Science, History, Geography</td>
<td>9</td>
</tr>
<tr>
<td>Social Science</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foreign Language**</td>
<td>Select two sequential foreign language courses** AND at least one course from: Art, Music, Drama.</td>
<td>9–12</td>
</tr>
<tr>
<td>AND</td>
<td>Fine Arts</td>
<td></td>
</tr>
<tr>
<td>Electives+</td>
<td>Select courses from any instructional program.</td>
<td>16–19</td>
</tr>
<tr>
<td>Total Program Credits</td>
<td></td>
<td>60</td>
</tr>
</tbody>
</table>

*English — Placement test required. Those required to take ENGL 1005 will then have to take ENGL 1010. ENGL 1005 may be used as an elective credit.

**Foreign Language/Fine Arts — Basic spoken and specialized introductory foreign language courses do not fulfill or substitute for required foreign language credits at the elementary level. A student may begin a new language or continue a language started in secondary school. Students should consult the Foreign Language department chair to be sure they choose the correct course level. Intermediate foreign language courses 2010–2020 will normally satisfy the language requirements of transfer institutions that require six credits of language at the intermediate level.

+ Electives vary based on concentration choice.
**LIBERAL ARTS**

**Liberal Arts Concentrations**

Students may complete the degree program as described previously or may select an area of study in which to concentrate. Concentrations require the study of five three-credit courses (15 credit hours) in the selected discipline. Additional required or recommended courses are selected from among the electives offered as part of the Liberal Arts program. These concentrations emphasize coursework typically required in the freshman and sophomore years of bachelor’s degree programs. Students interested in pursuing a Liberal Arts concentration should contact the appropriate academic department about transfer and career opportunities.

**English Concentration (LAEN)**  
**Associate in Arts Degree in Liberal Arts (AS_LIBA)**

The English concentration prepares a student for advanced study at the baccalaureate level as an English major or as a second major. It provides an exceptional foundation in the development of writing, critical thinking, critical reading, oral communication and literature analysis. This is an excellent program for those pursuing a career in educational institutions, writing, business and industry, film studies, art, communications, law, advertising, sports communications, journalism or library work.

To declare an English concentration, students should contact the English Department at 401-825-2262 or 401-825-2352.

**Required Courses**

**Students concentrating in English should take the following courses:**

Any pair of courses (6 credits) from below. Pairs of courses should be taken sequentially.

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Both ENGL 1020 AND ENGL 2020</td>
<td>19th Century American Literature AND 20th Century American Literature OR</td>
<td>6</td>
</tr>
<tr>
<td>Both ENGL 1030 AND ENGL 2030</td>
<td>British Literature I AND British Literature II OR</td>
<td>6</td>
</tr>
<tr>
<td>Both ENGL 1040 AND ENGL 2040</td>
<td>World Literature to the 16th Century AND World Literature from the 16th Century</td>
<td>6</td>
</tr>
<tr>
<td>ENGL 2050</td>
<td>Introduction to Literary Theory and Criticism</td>
<td>3</td>
</tr>
</tbody>
</table>

**Three courses (9 credits):** Students must take three additional transferable courses selected from above or the list below. Check with the English concentration coordinator in the English Department. Some courses transfer as electives while others transfer as English courses.

ENGL 1200, 1210, 1220, 1230, 1240, 1250, 1260, 1270, 1280, 1290, 1310, 1360, 1370, 1430, 2200, 2210*, 2230, 2250

*ENGL 2210 counts as a three-credit transfer course.

**Foreign Languages Concentration (LAFL)**  
**Associate in Arts Degree in Liberal Arts (AS_LIBA)**

The Foreign Languages concentration prepares students for advanced study at the bachelor’s degree level and provides an excellent foundation in the foreign languages.

**Required Courses**

**All Liberal Arts students must complete six sequential credits of foreign language under the general education requirements.** Liberal Arts students who wish to pursue a Liberal Arts degree with a concentration in foreign languages are required to take an additional six sequential credits of the same language at the Intermediate 1 and 2 levels (2010 and 2020) or Advanced 1 and 2 levels (2210 and 2220) as well as complete three credits in a second foreign language at the elementary level or above.

A student beginning language studies at CCRI or who has experience below the intermediate college level should select:

1010 OR 1030, 1020 OR 1040, 2010, 2020 and an elementary level course (1010, 1030, 1020 or 1040) in a language different from the language of the student’s concentration.

Students who are continuing to study a language begun in high school should select:

2010, 2020, 2210, 2220 and an elementary level course (1010, 1030, 1020 or 1040) in a language different from the language of the student’s concentration.

**Additional courses recommended but not required as electives:**

HIST 1010, 1020; ARTS 1510, 1520
Mathematics Concentration (LAMA)

Associate in Arts Degree in Liberal Arts (AS_LIBA)

The Mathematics concentration prepares students for advanced study in mathematics at the bachelor’s degree level. The concentration also provides an excellent foundation in mathematics or any related fields requiring a strong mathematics background.

**Required Courses**

Students concentrating in mathematics should take 15 of the 16 to 19 required elective credits as follows:

*Courses typically taken freshman and sophomore year in a bachelor’s degree program:*

__MATH 1900, 1910, 1920, 2910, 2990__

*Students who begin studying math at CCRI and plan to transfer to a bachelor’s degree program in majors other than math or science should select:*

__MATH 1430 AND__ one of the following:

__MATH 1200, 1210, 1450, 1470, 1472, 1475, 1900__

*Additional courses recommended but not required as electives:*

__MATH 1510, 1550__

*Note: Completion of the math placement test is required before registration in the first math course.*
Science

Associate In Science Degree (AS_SCID)

This degree program is intended for individuals who wish to pursue a career in science or a related field. Such fields include, but are not limited to, astronomy, biochemistry, biology, biophysics, biotechnology, chemistry, environmental geology, environmental science, forensics, forestry, geochemistry, geology, geophysics, home economics, marine biology, meteorology, mortuary science, nutrition (or dietetics), oceanography, optometry, pharmacy, physical education, physics or plant science. This program also is intended for those who wish to pursue medical, dental or veterinary degrees.

Note: A minimum of a bachelor’s degree is usually required of individuals planning to work in science or a related area. Therefore, students should take the CCRI Associate in Science degree program with the expectation of transferring to a four-year college or university. The choice of which elective credits to select should be made in consultation with an adviser from one of the science departments in accordance with transfer requirements of the four-year school. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for detail.

Students should consult the transfer requirements of their intended school of transfer.

Admission Requirements:
To be admitted to this program, applicants must have:

• Minimum level of math preparation in order to take and successfully complete MATH 1200 (College Algebra) in the first semester.

RECOMMENDED COURSE SEQUENCE:

First semester: ENGL 1010; MATH 1900 OR above; Social Science Elective;
2 CHEM, BIOL AND/OR PHYS courses

Second semester: Literature Elective; MATH 1510 OR MATH 1550; Humanities,
Math/Science OR Social Science Elective; 2 CHEM, BIOL AND/OR PHYS courses

Third semester: COMM 1100; Science courses

Fourth semester: Science courses; BIOL, CHEM, PHYS OR MATH 2500

General Education Requirements

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010*</td>
<td>Composition 1</td>
<td>3</td>
</tr>
<tr>
<td>ENGL</td>
<td>Literature elective</td>
<td>3</td>
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<tr>
<td>MATH 1900</td>
<td>Pre-Calculus Mathematics</td>
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<tr>
<td>OR above**</td>
<td>OR above</td>
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</tr>
<tr>
<td>MATH 1510</td>
<td>Scientific Programming</td>
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</tr>
<tr>
<td>OR MATH 1550</td>
<td>OR Statistical Analysis I</td>
<td></td>
</tr>
<tr>
<td>COMM 1100*</td>
<td>Oral Communication I</td>
<td>3</td>
</tr>
<tr>
<td>Social Science Elective</td>
<td>See page 22 for complete list of courses that fulfill the SSCI attribute.</td>
<td>3</td>
</tr>
<tr>
<td>Humanities,</td>
<td>Math/Science</td>
<td>See page 22 for complete list of courses that fulfill the HUMN, MSCI or SSCI attribute.</td>
</tr>
<tr>
<td>OR Social Science Elective***</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total General Education Credits 22

*ENGL – All students take a placement test and enroll in ENGL 1005 or ENGL 1010. Students required to take ENGL 1005 then will have to take ENGL 1010. ENGL 1005 may be used as elective credit.

**MATH – Placement test required. If placement test indicates enrollment in MATH 0500 or 0600 is necessary, these courses, although required, are not accepted as degree credit. Students should take a placement test prior to enrolling. Note: It is recommended that students wishing to transfer for a bachelor’s degree in the physical sciences take the complete calculus sequence (MATH 1910, 1920 and 2910).

***All students are encouraged to consult the requirements of the intended transfer school to learn if there is a foreign language requirement.
BIOTECHNOLOGY TRANSITION OPTION:

Biotechnology credits can be used toward the completion of the Science track leading to an Associate in Science (A.S.) degree. The four-credit Cell Biology for Technology (BIOL 1000) is one of the suggested science courses. Eight of the Biotechnology certificate program credits (BIOL 1300, 1310 and 2480) would count as science credits and the remaining six credits could be used as elective credits. See the Biotechnology certificate, page 56, for more information.

**Major Requirements**

<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
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<tr>
<td>BIOL 1001</td>
<td>Introductory Biology: Organismal</td>
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<tr>
<td>AND</td>
<td>BIOL 1002</td>
<td>4</td>
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<tr>
<td>OR BIOL 1000</td>
<td>OR Cell Biology for Technology</td>
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<tr>
<td>CHEM 1030</td>
<td>General Chemistry I</td>
<td>5</td>
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<td>AND</td>
<td>CHEM 1100</td>
<td>5</td>
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<tr>
<td>PHYS 1030</td>
<td>General Physics I</td>
<td>4</td>
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<tr>
<td>AND</td>
<td>PHYS 1040</td>
<td>4</td>
</tr>
<tr>
<td>AND / OR</td>
<td>Additional Science Requirements</td>
<td>8–10</td>
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<tr>
<td>BIOL 2500</td>
<td>Applications in Science and Math</td>
<td>1</td>
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<td>OR CHEM 2500</td>
<td>OR MATH 2500</td>
<td>1</td>
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<tr>
<td>OR PHYS 2500</td>
<td>OR MATH 2500</td>
<td>1</td>
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</tbody>
</table>

**Total Major Requirements Credits** 25–29

**Electives**

All students are encouraged to consult the requirements of the intended transfer school to find out which electives will best suit their transfer needs. 9–13

**Total Minimum Required Program Credits** 60

**IMPORTANT:**

Select two pairs of sequential courses from the top three in the list above (BIOL, CHEM or PHYS) for a total of 16 to 18 credits. If you select CHEM 1030, contact the Chemistry Department for information regarding a placement exam (to be taken prior to enrolling).
Technical Studies

Technical Studies (TECH)

Associate In Applied Science In Technical Studies (A.A.S.-T.S.) Degree

The Associate in Applied Science degree in Technical Studies (A.A.S.-T.S.) is designed for students who want to take technical and general courses for college credit to meet the training or retraining demands of current or prospective employers. This interdisciplinary degree program enables individual students or groups of employees associated with one employer to tailor technical programs to their own specific needs. Courses are selected on the basis of a student’s interests, goals and abilities. Each student’s program is individually designed. As the two examples on the next page point out, the A.A.S.-T.S. degree is designed to be flexible and interdisciplinary. Because of the variety offered in this degree program, the number of credits required for graduation could vary from 60 to 66.

Anyone interested in earning an A.A.S.-T.S. degree should speak with an admissions officer. Qualified students are referred to the dean of Business, Science and Technology to assess prior learning experiences. (Procedures for the assessment of prior learning are outlined in the Academic Information section of this catalog and on www.ccri.edu/priorlearning.) If qualified, a learning contract outlining course requirements and leading to the A.A.S.-T.S. degree is developed.

Note: The learning contract is an official document filed in the student’s permanent record. It can be changed only with the written approval of the dean of Business, Science and Technology. Any approved changes in a student’s program become part of the learning contract.

In general, the program is divided into three parts:

Credit for Prior Learning (not more than 20 credits):
Any occupational or technical training for which prior learning credit is sought must be relevant to a student’s education and career goals. This includes apprenticeship, union activities, military training, etc. Awarded credit is based on:

• Assessment of individual portfolios and records (See Credit for Prior Learning on page 29 in the Academic Information section of this catalog or online.)
• Work completed in evaluated apprenticeship programs and accepted by the appropriate academic teaching departments.
• Other sources, such as CLEP, military schools or industrial schools.

Technical and Related Course:
If a student has insufficient prior experience to receive an award of 20 credits of prior learning experience, he or she also will take an additional 20 credits in technical and related courses.

General Education:
At least 20 general education credits must be taken. See page 22 for complete listing of courses that meet these requirements.
EXAMPLE I
In this example, an individual completes an evaluated apprenticeship program to be an electrician, has an interest in system modeling, automation, digital systems or networking. This individual wants to stay local. A program that might give this individual mobility within the job market might look like the one below. (This schedule is meant as an example only.)

<table>
<thead>
<tr>
<th>General Education Requirements</th>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>OR ENGL 2100</td>
<td>OR Technical Writing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENGL Elective</td>
<td>Course above 1000 level</td>
<td>3</td>
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</tr>
<tr>
<td>Social Science Elective</td>
<td>See page 22 for complete list of courses that fulfill the SSCI attribute</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>MATH 1700</td>
<td>Algebra for Technology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Math/Science Elective</td>
<td>Select three to four credits above 1000 level from: MATH, BIOL, GEOL, OCEN, PHYS</td>
<td>3–4</td>
<td></td>
</tr>
<tr>
<td>Humanities</td>
<td>Take three credits. See page 22 for complete list of courses that fulfill the HUMN or SSCI attribute</td>
<td>3</td>
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</table>

Total General Education Credits 21–22

Approved Apprenticeship 20

Technical Courses
<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>ENGR 1020</td>
<td>Introduction to Engineering and Technology</td>
<td>3</td>
</tr>
<tr>
<td>ENGR 1030</td>
<td>Engineering Graphics</td>
<td>3</td>
</tr>
<tr>
<td>ETEE 1050</td>
<td>Introduction to Electromechanical Systems</td>
<td>3</td>
</tr>
<tr>
<td>ETEE 1800</td>
<td>Introduction to Digital Systems</td>
<td>3</td>
</tr>
<tr>
<td>CNVT 1810</td>
<td>Networking Technology</td>
<td>3</td>
</tr>
<tr>
<td>ETME 1010</td>
<td>Robotics and Control</td>
<td>3</td>
</tr>
<tr>
<td>INST 1010</td>
<td>Introduction to Instrumentation Technology</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Technical Course Credits 21

Total Program Credits 62–63

EXAMPLE 2
In this case, an individual may have completed a credit-worthy organized training program, yet new developments in his or her field indicate that he or she will need more formal business-related education. A degree program for this student might look like the one below. (This schedule is meant as an example only.)

<table>
<thead>
<tr>
<th>General Education Requirements</th>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010</td>
<td>Composition I</td>
<td>3</td>
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</tr>
<tr>
<td>COMM 1100</td>
<td>Oral Communication I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PSYC 1050</td>
<td>Psychology in the Workplace</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MATH 1200</td>
<td>College Algebra</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>COMI 1100</td>
<td>Introduction to Computers</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ECON 2030</td>
<td>Principles of Microeconomics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>OR ECON 2040</td>
<td>OR Principles of Macroeconomics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Math/Science Elective</td>
<td>Take three credits from Math/Science. See page 22 for listing of courses that fulfill the MSCI or SSCI attribute</td>
<td>3</td>
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</table>

Total General Education Credits 21

Approved Apprenticeship 20

Technical and Related Courses
<table>
<thead>
<tr>
<th>COURSE NO.</th>
<th>COURSE TITLE</th>
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<td>BUSN 1010</td>
<td>Introduction to Business</td>
<td>3</td>
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<td>BUSN 2050</td>
<td>Principles of Management</td>
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<td>BUSN 2060</td>
<td>Principles of Marketing</td>
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<td>ACCT 1010</td>
<td>Financial Accounting</td>
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<td>ACCT 1020</td>
<td>Managerial Accounting</td>
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<td>LAWS 2050</td>
<td>Law of Contracts</td>
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Total Technical and Related Course Credits 20

Total Program Credits 61

EXAMPLES ONLY See previous page for specific requirements.
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<tr>
<td>XRAY</td>
<td>Radiography</td>
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</tr>
</tbody>
</table>
**ACCT (ACCOUNTING)**

**ACCT 1010 - Financial Accounting (4 Credits)**
This course presents the objectives and basic procedures of accounting for a business organized as a corporation. Topics covered include the accounting cycle for service and merchandising firms, accounting for short-term liquid assets, inventories, long-term assets and current liabilities. Lecture: 4 hours, Lab: 1 hour

**ACCT 1020 - Managerial Accounting (4 Credits)**
This course covers the use of accounting data by an organization’s management. Topics include the statement of cash flows, financial statement analysis, an introduction to manufacturing accounting concepts, cost-volume-profit analysis, budgeting, capital expenditure decisions, just-in-time activity-based costing concepts. (Prerequisite: ACCT 1010) Lecture: 4 hours, Lab: 1 hour

**ACCT 1030 - Computerized Accounting (3 Credits)**
The course integrates the processing of accounting information with the use of a commercial general ledger software package. An initial presentation of the software is included to develop a specific understanding of menus and navigation techniques. Discussion focuses on setup, maintenance, information entry and report generation. Specific topics of the accounting cycle are presented including journal transactions, accounts receivable, accounts payable, inventory, payroll, financial statements and special projects. Note: May be taken concurrently with ACCT 1020. (Prerequisite: ACCT 1010) Lecture: 3 hours

**ACCT 1500 - Personal Income Taxes (3 Credits)**
This course provides an overview of the tax problems confronting individuals on the federal level. Tax situations involving incomes, exemptions, deductions and capital gains and losses are undertaken and the pertinent tax forms are discussed. Lecture: 3 hours

**ACCT 2010 - Intermediate Accounting I (4 Credits)**
This course involves advanced work on concepts and principles of accounting. Topics include financial statements, cash, temporary investments, receivables and inventories. (Prerequisite: ACCT 1020) Lecture: 4 hours, Lab: 1 hour

**ACCT 2020 - Intermediate Accounting II (4 Credits)**
A continuation of ACCT 2010, this course covers the study of the more advanced phases of analysis of financial statements, investments and fixed assets; depreciation and depletion; intangible assets; current and long-term liabilities and stockholders’ equity. (Prerequisite: ACCT 2010) Lecture: 4 hours, Lab: 1 hour

**ADAS (ADMINISTRATIVE OFFICE TECHNOLOGY)**

**ADAS 2510 - Microsoft Office Applications II (3 Credits)**
This course will provide students with further training on Microsoft Office applications that include advanced Word and PowerPoint using a hands-on approach. In addition, students will continue to develop their keyboarding skills and accuracy. A keyboarding speed range of 30 to 55 words per minute is required for this course. (Prerequisite: OFTD 1220 or permission of instructor) Lecture: 3 hours, Lab: 1 hour

**ADAS 2520 - Office Transcription II (2 Credits)**
This course continues to develop proficiency in transcribing to mailable copy. It is designed to further refine and integrate office skills and applications. Emphasis is on the advanced application of language skills in the production of written communications. (Prerequisite: OFTD 1170 and 1280 or permission of instructor) Lecture: 2 hours, Lab: 1 hour

**ADAS 2530 - Office Technology and Procedures II (3 Credits)**
This capstone course enables students to integrate the skills previously learned in the program via a career-related office simulation. Students continue to learn Outlook as well as gain knowledge of planning meetings and conferences. In addition, students research business data and learn about parliamentary procedures. Emphasis is placed on the development and exercise of decision-making ability and human relations skills. (Prerequisite: OFTD 1140) Lecture: 3 hours

**ADAS 2570 - Administrative Office Management (3 Credits)**
This course deals with the strategies and issues related to effective supervision of employees who work in an office environment. The relationship between office productivity and management activities such as planning, scheduling organizing, implementing, evaluating and controlling is examined. Lecture: 3 hours

**ADAS 2580 - Administrative Office Technology Cooperative Education I (3 Credits)**
(Prerequisite: OFTD 1220) Lecture: 3 hours, Lab: 1 hour

**ADAS 2590 - Office Administration Cooperative Education II (4 Credits)**
(Prerequisite: Administrative Assistant and Legal Administrative Assistant)
This course is an extension of ADAS 2580 Cooperative Education I that helps students develop in-depth knowledge of specific content areas and demonstrate increased levels of expertise in these areas. Students work approximately 15-20 hours a week in an approved cooperative work experience site. Students participate in a one-hour and 40-minute weekly seminar on campus. (Prerequisite: Same as Administrative Office Technology Cooperative Education I, but also requires the successful completion of ADAS 2580 or permission of instructor) Lecture: 25 hours total, CO-OP: 195 hours total

**ADAS 2610 - Microsoft Office Applications III (3 Credits)**
This course continues to develop Microsoft Office skills in the areas of Access, Excel and PowerPoint. Students will continue to develop their keyboarding speed and accuracy. A keyboarding range of 35 to 60 words per minute is required for this course. (Prerequisite: OFTD 1220) Lecture: 3 hours, Lab: 1 hour

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Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
ADNU (NURSING)
See also HEAL and NURS courses.

ADNU 2010 - Transition to Baccalaureate Nursing Education (2 Credits)
The purpose of this course is to facilitate the transition of associate degree and diploma nursing students into baccalaureate nursing education. The course is the last course offered at the associate degree and diploma levels. It is being offered to encourage students to pursue baccalaureate education as they complete their associate or diploma education. (Prerequisites: NURS 1010 and 1020 with a grade of "C" or better) Lecture: 2 hours

ADNU 2040 - Nursing IV (10 Credits)
This course helps prepare the nursing student to adapt to the role of the AD nurse. Theory and practice, while a continuation of Nursing I and II, is designed to increase the depth of knowledge and level of nursing skill. Content includes principles and concepts of advanced medical-surgical and psychiatric/mental health nursing and is organized around the nursing process and nursing diagnosis. Integrated throughout are concepts of health promotion, nutrition and pharmacology. Socio-cultural factors and adaptations for the elderly also are incorporated. Clinical experience includes care of patients with complex medical-surgical and psychiatric problems. (Prerequisites: NURS 1020; BIOL 2210; PSYC 2030) Lecture: 5 hours, Lab: 15 hours

ARAB (ARABIC)

ARAB 1000 - Basic Spoken Arabic (3 Credits)
This is an introductory elective course for beginners emphasizing correct pronunciation and basic vocabulary for practical use in everyday conversational situations and travel dialogues. Students with no previous study of the language are prepared to understand it within a limited context and basic structure. Lecture: 3 hours

ARTS (ART)
This listing of Art courses includes new course numbers and descriptions. Students should review course listings carefully and consult with academic advisers or Art Department faculty to ensure proper course sequence and avoid duplication of course credits.

Art course numbers:
ARTS 1001 through ARTS 1009 are introductory level courses and are open to all students. These courses offer fine arts elective credit for non-art students and liberal arts elective credit for Art majors.

ARTS 1010 through ARTS 1599 are basic foundation level courses and are open to all students. These courses are either required or recommended for Art majors and are strongly recommended for Liberal Arts or General Studies program majors.

ARTS 1600 through ARTS 1999 are open to all students and provide basic study in a variety of art disciplines. Previous study in a foundation level course may be recommended but not required. Other prerequisites may apply.

Courses numbered ARTS 2000 and above are designed for continued work after basic studies have been completed. More than one prerequisite may be required.

Adams 1020 - Color (3 Credits)
This course provides an introduction to basic color theory and aesthetic concepts in both two- and three-dimensional art and design. Lectures, discussions, studio assignments and critiques focus on contemporary and historical aspects of color. (Prerequisite: None, although ARTS 1010 or ARTS 1310 is recommended) Studio: 6 hours

ARTS 1030 - Introduction to Printmaking (3 Credits)
This is a studio course in basic printmaking skills with equal focus on concept and technique. Students experiment with a variety of printmaking processes including collagraph, intaglio, litho, transfer and monotype, providing the opportunity to work with a range of printmaking methods and materials. This course examines the language of printmaking as a unique art form and establishes a basis for further work in the medium. Using a variety of approaches, in both black and white and color, students explore ways they may develop their individual vision through the creation of original prints. (Prerequisite: ARTS 1010 or 1310) Studio: 6 hours

ARTS 1050 - Drawing II - Life Drawing (3 Credits)
This course offers an introduction to the study of the human figure and its relationship to the environment. Students draw from both nude models and skeletons. (Prerequisite: ARTS 1010) Studio: 6 hours

ARTS 1310 - Two-Dimensional Design (3 Credits)
This course examines the basic elements of design including line, shape, value, color, texture, movement and direction; and principles of design, such as balance, unity, emphasis, variety and similarity. Primary focus is on studying the potential for visual communication when composing an
ARTS 1410 - Three-Dimensional Design (3 Credits)
This studio course introduces students to the elements, principles and construction methods used in making art and design in three dimensions. Using simple materials such as wire, cardboard, foam core and plaster, students learn to organize forms in space. The principles of scale, spatial orientation, balance, rhythm, positive and negative form and context are studied and used in the making of studio projects. Classes include lectures, demonstrations, studio assignments and critiques. Studio/Lecture: 6 hours

ARTS 1420 - Four-Dimensional Animation and Design (3 Credits)
This course examines the basic elements of art and design in space and time. Students are introduced to artists working with 4D and new media arts to explore their own ideas, spaces and time-based techniques while developing critical thinking in relation to subject, medium, form and context, and how all of these can create or effect meaning in 4D art. Students will create works of art using time-based techniques such as time lapse, basic cell animation, stop motion, go motion, basic green screen and sound. Studio/Lecture: 6 hours

ARTS 1500 - Fine Art Seminar (3 Credits)
Fine Art Seminar is the keystone course in which A.F.A. students learn to set and pursue professional goals including: transferring to four-year art programs, exploring careers in art and design, designing and installing exhibitions, identifying visual arts grants and awards, and developing a cohesive portfolio of their work which demonstrates their level of excellence. Fine Art Seminar topics may include portfolio preparation, choosing an art school, photographing artwork and exploring careers in the arts. Students participate in a professional group exhibition, held once a year. This course is designed for Art majors or for students considering a major in Art. (Prerequisite: At least two studio courses and one art history course or permission of the instructor. Recommended: Students should be concurrently enrolled in studio and/or art history courses. Class should be taken during the third semester of the student’s program of study.) Lecture: 3 hours

ARTS 1510 - Art History: Ancient to Medieval (3 Credits)
This course is a survey of visual art from prehistory through Gothic Europe. Emphasis is placed on how art, architecture and functional objects provide evidence of the religious beliefs and cultural structures of early civilizations. Regions covered include Egypt, the Near East and Europe. (Prerequisite: ENGL 1005 or 1010 with grade of “C” or better) Lecture: 3 hours

ARTS 1520 - Art History: Renaissance to Modern (3 Credits)
This course is a survey of visual art and architecture from the Renaissance through the 20th century, focused primarily upon European and American study. The manner in which art both reflects and shapes history is a central means of exploration, leading to the complexities of art in the Post-Modern period. (Recommended: ARTS 1510; Prerequisite: ENGL 1005 or 1010 with grade of “C” or better) Lecture: 3 hours

ARTS 1530 - Art History: Africa, Asia, Oceania and the Americas (3 Credits)
This course introduces and analyzes the creative expressions of Africa, Asia, Oceania and the Americas through focused studies of selected artistic traditions. Through weekly readings, writing exercises, lectures, discussions, films, online research and visits to museums and galleries, this class builds a vision of the world as seen through diverse cultural traditions. (Prerequisite: ENGL 1005 or 1010 with grade of “C” or better) Lecture: 3 hours

ARTS 1610 - Textile Design/Fibers (3 Credits)
This studio course is designed to introduce students to a variety of dyeing and surface design techniques on fabric, with an emphasis on learning the elements and principles of two-dimensional design. Techniques may include shibori tie-dye, batik wax-resist, paste-resist, blockprinting and photo transfer. Traditional and contemporary examples of these processes are presented and good craftsmanship is emphasized. This course is recommended for all Art majors and can serve as an introductory art course for all students. (Recommended: ARTS 1010 or 1020 or 1310) Studio: 6 hours

ARTS 1650 - Ceramics I: Handbuilding (3 Credits)
This course acts as an introduction to fine art ceramics. Coil, slab and other basic hand-building methods as well as glazing and various kiln firing methods are covered. Kiln and basic glazes are provided; clay and tools must be purchased. (Recommended: ARTS 1410) Studio: 6 hours

ARTS 1660 - Ceramics II: Throwing (3 Credits)
This is a continuation of fine arts ceramics using advanced hand-building techniques. Wheel throwing, glaze formulation, kiln management and alternative firing methods are introduced. Kiln and basic glazes are provided; clay and tools must be purchased. (Prerequisite: ARTS 1650 or permission of instructor) Studio: 6 hours

ARTS 1710 - Graphic Design I (3 Credits)
This course provides an introduction to the basic principles of graphic design and visual communication. Graphic representation and typographic fundamentals are explored with electronic and traditional media, tools, skills and methodology. A history of graphic communication is presented through example and slide presentation. (Prerequisite: None, although ARTS 1310 is recommended.) Studio: 6 hours

ARTS 1720 - Graphic Design II (3 Credits)
This course continues coverage of concepts introduced in Graphic Design I. Focus is on creative image making and typographic development in a variety of visual formats. Projects provide experience with elements of print and/or digital publication design, logo design, poster design and the design of visual systems. (Prerequisite: ARTS 1710 or permission of instructor) Studio: 6 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
AR**TS 1810 - Photography I (3 Credits)**
This course emphasizes the creative and expressive aspects of form and content in black-and-white photographic imagery. Course content includes the operation of a camera, film development and printing and may include alternative and contemporary processes. A 35 mm camera with adjustable controls, film, paper and developing equipment are required. (Supplies – excluding equipment are required. (Prerequisite: None, although ARTS 1010 or ARTS 1310 is recommended.) (Corequisite: Course must be taken prior to or at the same time.) (Prerequisite: Successful completion of course required before registering.) Studio: 6 hours

AR**TS 1820 - Photography II (3 Credits)**
This course refines basic photographic techniques and introduces material such as photographic lighting, archival processes, toning, exposure, developmental controls and alternative and contemporary processes. The history, styles and critical theory of photography are presented through lectures, reading, gallery visits and studio assignments. Students develop portfolios focusing on presentation, sequencing and multiple images. (Prerequisite: ARTS 1810 or permission of instructor) Studio: 6 hours

AR**TS 1840 - Digital Art I (3 Credits)**
This course explores creative and technical issues related to computer-based image making as an effective means of artistic expression. While students apply the fundamentals using the latest industry-standard digital photo editing software, they also acquire both the manual and conceptual skills associated with creativity in the digital realm. Projects provide experience with image manipulation, montage, color corrections, retouching, and layout and design of individual artist’s projects. Studio: 6 hours

AR**TS 1845 - Video Art (3 Credits)**
This course is an introduction to the use of video as a form of artistic expression and visual communication. Students learn about structure, form, rhythm and pace. Emphasis is placed on image and sound manipulation, editing and theory as they relate to capturing and editing video and audio and finalizing content for DVD or Web. Complete and short form projects are produced that explore the relationship of subject, form and content in the creation of meaning. Works by video artists are viewed and discussed. Note: Students will need to purchase a camcorder under $150, following the first week of classes. Studio/Lecture: 6 hours

AR**TS 1850 - Digital Photography I (3 Credits)**
This course is an introduction to the technique of digital photography and its use as a form of artistic expression and visual communication. The course covers the operation and manipulation of digital cameras in order to capture images. Students learn how to enhance, correct, and manipulate their images using the most current industry standard photo editing programs. Through demonstrations and assignments, a survey of work by contemporary artists, and a final portfolio, students are introduced to the vocabulary, concepts, tools, and aesthetic possibilities of digital photography. Students must own a digital camera with manual, program, aperture and shutter priority exposure modes. Studio/Lecture: 6 hours

AR**TS 1850 - Digital Photography I (3 Credits)**
This course is an introduction to the technique of digital photography and its use as a form of artistic expression and visual communication. The course covers the operation and manipulation of digital cameras in order to capture images. Students learn how to enhance, correct, and manipulate their images using the most current industry standard photo editing programs. Through demonstrations and assignments, a survey of work by contemporary artists, and a final portfolio, students are introduced to the vocabulary, concepts, tools, and aesthetic possibilities of digital photography. Students must own a digital camera with manual, program, aperture and shutter priority exposure modes. Studio/Lecture: 6 hours

AR**TS 2010 - Painting I (3 Credits)**
This course offers an introduction to the painting process through an investigation of theories; materials and techniques. Historical and contemporary aesthetic issues are explored through studio assignments, slide lectures, discussions, critiques and museum and gallery visits. (Prerequisite: ARTS 1010 or 1020) Studio: 6 hours

AR**TS 2020 - Painting II (3 Credits)**
A continuation of Painting I, this course encourages further development of personal artistic expression with emphasis on aesthetic and critical theory. Lectures, discussions, studio assignments, critiques, and museum and gallery visits are included. (Prerequisite: ARTS 2010 or permission of instructor) Studio: 6 hours

AR**TS 2030 - Watercolor (3 Credits)**
Basic watercolor materials and techniques are studied in this course. Color relationships and pictorial composition are emphasized. (Prerequisite: ARTS 1010 and 1020 or permission of instructor) Studio: 6 hours

AR**TS 2050 - Drawing III - Life Drawing (3 Credits)**
A continuation of Drawing II, this course emphasizes excellence in drawing, design and color in exploring relationships between the human figure and the environment. (Prerequisite: ARTS 1050 or permission of instructor) Studio: 6 hours

Studio Seminar (1 to 3 Credits)
ARTS 2120, 2130, 2140, 2150
This seminar course is for any student who wants to do advanced work in any studio area. The most advanced course offered by the Art Department in that particular studio area must have been successfully completed or be taken concurrently. Seminar work involves independent projects and research done under the guidance of an Art Department faculty adviser. Before signing up for this seminar, students must choose a faculty adviser and submit to him or her a proposed program of study for approval. Studio Seminar may be elected for one to three credits. Studio/Lecture: 6 hours

AR**TS 2360 - Printmaking II (3 Credits)**
A continuation of the material covered in Introduction to Printmaking, this course allows students to further their skills in printmaking media. Students will learn to use color processes, the registration of unique and multiple impressions, and the integration of digital or photo-sensitive plates. This course will encourage students to explore both traditional and alternate approaches to creating printed images that reflect their individual interests. (Prerequisite: ARTS 1030 or permission of instructor) Studio: 6 hours

AR**TS 2550 - Art History: Modern through Contemporary (3 Credits)**
This course is a survey of visual art, architecture and new media expressions in the 20th century, with a concentration on 1945 through today. Emphasis is placed on the working artist and how the making of art and design contributes to politics, economy and culture. Major movements in Modernism, Post-Modernism and Contemporary as a new and evolving history will be addressed with a focus on American and European art. Trends in Asia, South America and Africa also will be examined. Students investigate topics through lecture, reading, writing, presentation, gallery visits and discussion. (Prerequisite: ENGL 1010; Corequisite: ENGL 1005) Lecture: 3 hours, Lab: 1 hour

AR**TS 2660 - Ceramics III (3 Credits)**
Students are required to develop a proposal for a project they will develop and create by the conclusion of the semester. Exploration of alternate construction methods other than those covered in Ceramics I and II are encouraged as well as an investigation into a personal artistic voice in clay. Kiln and basic glazes are provided; clay and tools must be purchased. (Prerequisite: ARTS 1660 or permission of instructor) Studio: 6 hours

**Prerequisite:** Successful completion of course required before registering. **Corequisite:** Course must be taken prior to or at the same time.
ARTS 2820 - Photography Portfolio (3 Credits)
The student is required to develop a portfolio of cohesive exhibition quality work reflecting the student's vision. Through research on photographic history, artists and styles, the student identifies influences and acquires historical perspective. (Prerequisite: ARTS 1820 or 2850) Studio: 6 hours

ARTS 2840 - Visual Web Design (3 Credits)
The focus of this course is design of a visual experience for the World Wide Web and the making of Net Art. Students will develop interactive Web publications and original Web art experiences using the latest industry-standard imaging and graphical interface-based software. Students will learn to successfully address multiple design issues related to Web development such as organizational concepts, navigation design, image manipulation and typographic application. The course focuses on developing a sequence of coded art with increasingly sophisticated Web pages using creative links, text, images and multimedia segments. (Prerequisite: ARTS 1710 or 1840 or 1850 or permission of instructor) Studio: 6 hours

ARTS 2850 - Digital Photography II (3 Credits)
This course continues skill development in digital camera operation and image editing with introduction of advanced techniques. The ethics, functions and styles of digital photography are presented through lectures, reading, research and studio assignments. Students are encouraged to develop a personal, expressive style in addition to mastering a range of photographic techniques while they create a visually and conceptually cohesive, exhibition-quality portfolio. DSLR or equivalent camera required. (Prerequisite: ARTS 1850) Studio/Lecture: 6 hours

ASTR (ASTRONOMY)

ASTR 1000 - Highlights of Astronomy (2 Credits)
This course provides a survey of the major topics in astronomy. Topics include telescopes, the planets, eclipses, comets, constellations, stellar types and groups, galaxies and unusual celestial objects. Each class is divided into an illustrated lecture and observation at the CCRI Observatory on the Knight Campus (Warwick), clear skies permitting or a cloudy night astronomical exercise. Note: This elective does not fulfill the science requirement. Lecture: 3 hours

ASTR 1010 - The Solar System (4 Credits)
Major topics covered in this course are the historical development of astronomical understanding, concepts of the celestial sphere, the technology of astronomical observations, modern planetary science derived from the space program, small bodies of the solar system and the origin and evolution of the solar system. Evening observing sessions are included as an optional part of the course (clear skies permitting). Note: This course fulfills one lab science requirement for the A.A. degree. Lecture: 3 hours, Lab: 2 hours

ASTR 2010 - Practical Astronomy I (4 Credits)
This course presents topics in celestial mechanics. Emphasis is on the use of astronomical tables and instruments in practical problems. Practical experience with a telescope at an observatory is included. Note: This course fulfills one lab science requirement for the A.A. degree. (Prerequisites: ASTR 1010 and 1020 and MATH 1210, that may be taken concurrently) Lecture: 3 hours, Lab: 2 hours

ASTR 2020 - Practical Astronomy II (4 Credits)
This course presents topics in celestial photography, photometry and astrophysics. Emphasis is on the use of attachments for special purposes, such as astrophotographic camera and solar photography. Practical experience with astronomical instruments at an observatory is included. (Prerequisite: ASTR 2010) Lecture: 3 hours, Lab: 2 hours

BIOL (BIOLOGY)

BIOL 0600 - Essentials of Anatomy and Physiology (1 Credit)
This five-week, modular, online course prepares students for success in BIOL 1010 - Human Anatomy and BIOL 1020 - Human Physiology. The focus of this course is development of basic skills required for success in higher education: study skills, time management, basic math and language skills. Students learn the essential science background necessary to be successful in life science courses: basic concepts in biology (biological terminology, cellular structure) and basic concepts in chemistry (ions, chemical bonding, terminology and chemical notation). Lecture: 3 hours, Lab: 2 hours

BIOL 1000 - Cell Biology for Technology (4 Credits)
This biology course is designed to introduce basic biological principles while specifically examining life processes at the cellular level. Topics include cell chemistry, the relationship between cell structure and function, metabolism, molecular genetics and cellular communication. Contemporary cell-related technology, as well as its impact and significance, is emphasized. Course transfers as an equivalent to BIOL 1002. (Prerequisites: ENGL 0890 with grade of “B” or better or ACCUPLACER exemption from reading. Students also must demonstrate competency in mathematics through required math placement testing: a math ACCUPLACER score equivalent to the successful completion of pre-algebra or successful completion of any of the following courses or their equivalent: MATH 0600, 1200, 1420, 1700, 1900, 1910, 1920, 2910 or 2990) Lecture: 3 hours, Lab: 3 hours

BIOL 1001 - Introductory Biology: Organismal (4 Credits)
This course is one part of a two-semester introduction to the fundamentals of biology intended for Science majors. However, BIOL 1001 may be taken independently of BIOL 1002. The course investigates biology at the organismal level through the presentation and discussion of biological processes and systems, including genetics, evolution and ecology. Additionally, the diversity in form and function of multi-cellular organisms (plants, fungi and animals) is explored. (Prerequisites: ENGL 0890 with grade of “B” or better or ACCUPLACER exemption from reading and MATH 0500 with grade of “C” or appropriate placement test score) Lecture: 3 hours, Lab: 2 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
BIOL 1002 - Introductory Biology: Cellular (4 Credits)
This course is one part of a two-semester introduction to the fundamentals of biology intended for Science majors. It may be taken independently of BIOL 1001. Using the theme of evolution as a framework, the course investigates biology at the cellular level through the presentation of such topics as structure, function, metabolism, genetics, reproduction and differentiation. Additionally, the diversity in form and function of unicellular organisms (bacteria, archaea and protists) is explored. (Prerequisites: ENGL 0890 with grade of “B” or better or ACCUPLACER exemption from reading and MATH 0500 with grade of “C” or appropriate placement test score) Lecture: 3 hours, Lab: 2 hours

BIOL 1005 - Biology in the Modern World (4 Credits)
This course investigates the basic biological principals needed to understand and make informed decisions regarding vital biological issues in today’s world; for example, global warming, obesity, biodiversity, cancer, race, genetic engineering and human population growth. Note: This course is designed for non-Science majors; not open to Science majors. This class fulfills four credits of math/science general education requirements. (Prerequisites: ENGL 0700 and MATH 0500 with grade of “C” or appropriate placement test score) Lecture: 3 hours, Lab: 2 hours

BIOL 1007 - Explorations in Biology (4 Credits)
Targeted towards nonscience majors, the course introduces students to core biological concepts and themes including: microorganisms, anatomy and physiology, cellular organization, evolution and ecology. Using a broad, topical approach, students will gain a greater appreciation of the diversity in form and function of organisms. Linking lectures will tie major concepts together and enable students to apply this knowledge in a practical manner in regard to their health and the environment. Critical thinking in learning and application of principles acquired will be an integral part of this course. (Prerequisites: ENGL 0890 with grade of “C” or better or ACCUPLACER exemption from reading and MATH 0500 with grade of “C” or better or appropriate placement test score) Lecture: 3 hours, Lab: 2 hours

BIOL 1010 - Human Anatomy (4 Credits)
This course is a study of the human organism with respect to the gross and microscopic anatomy of the organ systems. Laboratory work includes dissection of the cat and appropriate isolated organs. (Prerequisites: ENGL 0890 with grade of “B” or better or ACCUPLACER exemption from reading and MATH 0500 with grade of “C” or appropriate test score. Recommended: Take BIOL 1002 before taking BIOL 1010.) Lecture: 3 hours, Lab: 3 hours

BIOL 1020 - Human Physiology (4 Credits)
This course presents a study of the human organism, including basic chemical composition and function of the cell. The course stresses homeostatic control systems and coordinated body functions. (Prerequisite: BIOL 1010 with a grade of “C” or better) Lecture: 3 hours, Lab: 3 hours

BIOL 1050 - Humans and the Environment (3 Credits)
A study of man’s relation to the ecosystem, this course focuses on environmental issues such as energy supplies, energy alternatives, forms of pollution, food production, population growth and resources management. (Prerequisite: ENGL 0700 with grade of “C” or appropriate placement test score) Lecture: 3 hours

BIOL 1070 - Human Anatomy and Physiology (3 Credits)
This course introduces students to the basic principles of anatomy and physiology necessary for a general understanding of the human body. The relationship between structure and function is emphasized. (Prerequisite: ENGL 0700 and MATH 0500 with grade of “C” or appropriate placement test score) Lecture: 3 hours

BIOL 1080 - Introduction to Clinical Procedures (3 Credits)
Lectures provide an understanding of the theoretical basis and physiological implications of clinical procedures in the medical office and prepare students for further professional training. Laboratory experiences in vital signs, asepsis, sterilization, blood studies and urine studies supplement the lecture material. (Prerequisites: BIOL 1070 and ENGL 0700 with grade of “C” or appropriate placement test score and enrollment in the Medical Secretary/Assistant program) Lecture: 2 hours, Lab: 2 hours

BIOL 1090 - Introduction to Pharmacology (1 Credit)
This course provides an introduction to basic pharmacology, terminology and mechanism of drug action. Use, adverse response, special cautions and interactions of drugs commonly used in dental and medical practices are emphasized. (Prerequisites: BIOL 1020 or 1070 and ENGL 0700 with grade of “C” or appropriate placement test score and enrollment in Dental Assisting program, Medical Transcription or Medical Secretary/Assistant program) Lecture: 1 hour

BIOL 1110 - Introduction to Biotechnology (1 Credit)
This course provides an overview of the history and fundamental principles necessary to understand the role of biotechnology in our society. Specific topics are selected to provide examples of applications, ethical considerations and career paths in the field of biotechnology. Students also are introduced to the pathway leading from research and development to production of a biopharmaceutical product, including the regulatory considerations that are involved. (Prerequisites: ENGL 0890 with grade of “B” or better or ACCUPLACER exemption from reading and MATH 0500 with grade of “C” or appropriate placement test score) Lecture: 1 hour

BIOL 1200 - The Human in Health and Disease (3 Credits)
This course is designed to teach people more about themselves. Topics include cancers, birth defects, birth control, organ transplants, cloning, infectious diseases, heart disease and diets. (Prerequisites: ENGL 0700 and MATH 0500 with grade of “C” or appropriate placement test score) Lecture: 3 hours

BIOL 1310 - Introductory Biotechnology Laboratory Skills (3 Credits)
This course provides an opportunity for students to learn laboratory skills that are fundamental to successful, efficient and safe practices in a biotechnology research, quality control or production laboratory setting. Students are introduced to methods of measurement, data collection and analysis, solution and media preparation, safe laboratory practices and the practical application of mathematics to these processes. In addition, students are introduced to good laboratory

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
practices (GLP), good manufacturing practices (GMP) and related topics that emphasize the significance of maintaining quality in a biological research or production setting. (Prerequisites: MATH 0600 and CHEM 1030 or CHMT 1121, or 1121 or concurrent enrollment in CHMT 1121 or equivalent or permission of instructor. Completion of ENGL 0890 with grade of “B” or better or ACCUPLACER exemption from reading) Lecture: 2 hours, Lab: 2 hours

BIOL 2040 - Human Sexuality (3 Credits)
This course offers an exploration of the physiological, psychological and cultural aspects of human sexuality. Topics include reproductive health, forms and evolution of sexual expression, psychosexual development and the role of sex in the individual’s life as well as in society. (Prerequisite: ENGL 0700 with grade of “C” or appropriate placement test score) Lecture: 3 hours

BIOL 2070 - Evolution: A History of Life on Earth (3 Credits)
This course covers the scientific evidence for evolution, the sources of variation, the role of natural selection, the formation of species and the basis for human evolution. Current scientific research is stressed. (Prerequisite: MATH 1200 or 1700 and ENGL 0890 with grade of “B” or better or ACCUPLACER exemption from reading) Lecture: 3 hours

BIOL 2090 - Genetics (3 Credits)
This course covers basic concepts of inheritance, variation and evolution in plants and animals, including a survey of Mendelian, molecular, cellular and population genetics. (Prerequisite: MATH 1200 or 1700 and ENGL 0890 with grade of “B” or better or ACCUPLACER exemption from reading) Lecture: 3 hours

BIOL 2100 and 2110 - Biology Seminar (1 Credit)
This course involves the research, writing and presentation of papers dealing with selected topics in biology. (Prerequisites: One year of biology or permission of instructor and ENGL 0700 with grade of “C” or appropriate placement test score) Lecture: 1 hour

BIOL 2150 - Laboratory in Genetics (2 Credits)
Selected aspects of genetics are demonstrated using bacteria, fungi, fruit flies and other organisms. Each student must design, carry out and present the result of a project. (Prerequisites: One year of biology and concurrent registration in BIOL 2090 and appropriate math placement test score and ENGL 0700 with grade of “C” or appropriate placement test score) Lab: 4 hours

BIOL 2210 - Introductory Microbiology (4 Credits)
This course involves a descriptive approach to the anatomy, growth, reproduction and genetics of selected microorganisms. Topics include pathogenic mechanisms, immunology, microbial control and applied microbiology. (Prerequisites: BIOL 1010 and 1020) Lecture: 3 hours, Lab: 3 hours

BIOL 2220 - Introduction to Pathophysiology
The course begins by examining the disease process in general, from the etiology of disease at the cellular level to the physiologic changes that occur as the disease moves from incipient stage to full expression. The second half of the course examines the pathogenesis of specific diseases, system by system. (Prerequisites: BIOL 1010 and 1020) Lecture: 3 hours

BIOL 2480 - General Microbiology (4 Credits)
This course offers a look at microbes and particularly bacteria from a biochemical and molecular perspective. Emphasis is placed on microbial physiology and genetics with applications to biotechnology. (Prerequisites: One semester of chemistry and one semester of biology and ENGL 0700 and MATH 0600 with a grade of “C” or appropriate placement test score.) Biotechnology certificate program students can fulfill the prerequisites with CHMT 1121 or concurrent enrollment in BIOL 1000. Lecture: 2 hours, Lab: 4 hours

BIOL 2500 - Applications in Science and Math (1 Credit)
This capstone course is intended for students in their final semester of the science program. It allows students an opportunity to demonstrate an integration of knowledge and abilities acquired in previous science and mathematics courses with the added intent of developing new insights. Students read selected articles, such as those that come from scientific journals, in a variety of fields and then have the opportunity to collaborate with their peers and hone writing, synthesis and presentational skills in a seminar setting. (Prerequisite: Successful completion of a minimum of 21 general education credits and a minimum of 18 Science credits or permission of instructor) Seminar: 2 hours

BUSN (BUSINESS ADMINISTRATION)

BUSN 1000 - Workplace Relationship Skills (3 Credits)
Critical to success in the workplace is the ability to develop and maintain effective working relationships with coworkers, supervisors, subordinates and both internal and external customers. This course guides students in developing interpersonal skills and strategies to manage their work lives. Lecture: 3 hours

BUSN 1010 - Introduction to Business (3 Credits)
This course emphasizes both small and publicly traded businesses along with strategies for competing in modern economic conditions. Topics include: cultivating a business in a diverse global environment, developing and implementing customer-driven strategies, motivating and empowering employees to satisfy customers and financing a small business. Lecture: 3 hours (This course serves as a prerequisite for several courses in the Business curriculum. However, this prerequisite may be waived and credit received by examination. Contact the department for details.)

BUSN 1020 - Marketing Communications (3 Credits)
This course provides an introduction to the basic promotional tools available to the person interested in marketing a business or service. Topics to be covered include: source credibility, message development, media selection and understanding audiences. Communication with audiences through advertising, public relations and printed materials are explored. Lecture: 3 hours

BUSN 1040 - Personal Finance (3 Credits)
This course helps individuals manage their money and property. Financial planning, budgeting, consumer protection, consumer credit, investing, housing and insurance are discussed. Lecture: 3 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
BUSN 1050 - Small Business Administration (3 Credits)
This course covers the practical considerations involved in starting and operating a small business. Topics include what business to enter, success factors, financing, location, franchising, managing, record-keeping and small business computers. Lecture: 3 hours

BUSN 1060 - Leadership Development (3 Credits)
This course provides emerging and existing leaders the opportunity to explore the concept of leadership and to develop and improve their leadership skills. The course integrates readings from the humanities, experiential exercises, films and contemporary readings on leadership. Lecture: 3 hours

BUSN 1110 - Sales (3 Credits)
This course introduces the fundamental skills required for work in a sales position. Topics include: the role and importance of selling, sales processes, personal qualities necessary for salesmanship and basic procedures for seeking a sales position. Lecture: 3 hours

BUSN 1130 - Advertising Principles (3 Credits)
This survey course deals with the planning, creation and role of advertising in our society. Topics include: advertising strategy development, media planning and the function of ad agencies. All major media are covered. Lecture: 3 hours

BUSN 1150 - Introduction to International Business (3 Credits)
This course introduces students to the importance and role of international business. Predominant themes include culture and business opportunities. Topics include international trade, balance of payments and multinational companies. Factors and entities that influence trade are considered. (Recommended: BUSN 1010) Lecture: 3 hours

BUSN 1200 - QuickBooks, Computer Application (1 Credit)
QuickBooks is a widely used computerized accounting package for small businesses. Topics covered include writing checks and paying bills, creating reports, managing accounts receivable and accounts payable, invoicing, and managing inventory. Concepts are presented through hands-on exercises using a case study approach. Lecture: 2 hours, Lab: 2 hours

BUSN 2050 - Principles of Management (3 Credits)
This course introduces students to the basic role of the manager in modern business. Among the topics discussed are: paradigm shifts; environmental factors affecting decision-making; ethics/social responsibility; and planning, organizing, motivating and controlling organizational resources. (Prerequisite: BUSN 1010. May be waived. See course description for BUSN 1010.) Lecture: 3 hours

BUSN 2060 - Principles of Marketing (3 Credits)
This course offers an introduction to the basic concepts and operations involved in the marketing process. Among the topics covered are the basic marketing functions, identification and selection of target markets (including international), marketing research and technologies, pricing, products, promotion and channels of distribution. (Prerequisite: BUSN 1010. May be waived. See course description for BUSN 1010.) Lecture: 3 hours

BUSN 2100 - Entrepreneurship Capstone (3 Credits)
This course is the capstone for the certificate in Entrepreneurship. Students work with a member of the business faculty and a mentor from the business community in developing a business plan. The completed plan is reviewed by a committee of volunteer advisers from the business community and judged on a pass/fail basis. Students also are required to keep a daily business journal of their activities. All work is done independently without the benefit of classroom instruction. (Prerequisites: ACCT 1010; BUSN 1010 and 1050. Prerequisite for BUSN 1010 may be waived. See course description for BUSN 1010.) Lecture: 3 hours

BUSN 2110 - Money and Banking (3 Credits)
This course is an analysis and description of the monetary and banking aspects of our present economic system. Introductory material on money, credit and monetary standards precedes a more intensive study of the nature and functions of commercial banking and the Federal Reserve System. Lecture: 3 hours

BUSN 2120 - Investments (3 Credits)
This course studies the scope and nature of investment from the viewpoint of the individual investor. The course includes discussions of investment objectives, types of securities, mechanics of investing, security market procedures, sources of information, security analysis and forecasting techniques. Lecture: 3 hours

BUSN 2160 - Management and Labor Relations (3 Credits)
This course is the study of the evolution of the labor relations concept in the public and private sectors. Emphasis is placed on techniques that have resulted in sound management-labor relations policies. Lecture: 3 hours

BUSN 2350 - Human Resources Management (3 Credits)
This course introduces the functions and management of human resources in the development of an effective workforce. Topics include job descriptions, recruitment and hiring procedures, training, performance evaluation methods, motivation, incentive compensation, the grievance procedure, application of affirmative-action legislation and implementation of health and safety programs. (Prerequisite: BUSN 1010) Lecture: 3 hours

CHEM (Chemistry)
See also CHMT (Chemical Technology).

CHEM 1000 - Chemistry of Our Environment (4 Credits)
This course is an introductory, entry-level course in chemistry for non-science majors, with emphasis on everyday, practical applications. The course covers basic chemistry principles, which are then applied to contemporary issues. Use of mathematics is minimized as much as possible. The laboratory demonstrates topics discussed in class. Note: This course is a prerequisite for CHEM 1060 and is recommended as a Science elective in the Liberal Arts or General Studies program. (Prerequisite: MATH 0600 or higher with grade of “C” or better or ACCUPLACER testing out of MATH 0600) Lecture: 3 hours, Lab: 3 hours
CHEM 1010 - Survey of Biomedical Chemistry (5 Credits)
This is an introductory study of chemistry principles that form the foundation for understanding biomedical and dental sciences. Content includes atomic theory, chemical bonding, the nature and properties of matter and solutions, the colloidal state, crystalization and the chemical functioning of basic biological compounds. Laboratory exercises demonstrate concepts presented in lectures. (Prerequisite: MATH 0600 or higher with grade of “C” or better or ACCUPLACER testing out of MATH 0600 and Chemistry placement exam or CHEM 1020 with grade of “C” or better.) Lecture: 3 hours, Lab: 3 hours, Recitation: 1 hour

CHEM 1020 - Basic Skills for Chemistry (3 Credits)
This course is for students who are inadequately prepared to enter General Chemistry, Health Science Chemistry or Survey of Biomedical Chemistry. Topics stressed are physical measurements, problem-solving and chemical language. Students are given first-hand experience in data gathering, evaluation and presentation. Note: Not open to students who have already completed CHEM 1010, 1030 or 1180 without permission of department chairperson. (Prerequisite: MATH 0600 or higher with grade of “C” or better or ACCUPLACER testing out of MATH 0600 and Chemistry placement exam) Lab/Recitation: 4 hours

CHEM 1030 - General Chemistry I (5 Credits)
Principles of chemistry dealing with the structure of matter, periodic system, chemical bonding, formulas and equations are studied in this course. Laboratory work provides an opportunity to see the applications of these chemical principles. Note: This course is for students who plan to pursue further studies in science, pharmacy or engineering. (Prerequisite: MATH 0600 or higher with grade of “C” or better or ACCUPLACER testing out of MATH 0600 and Chemistry placement exam or CHEM 1020 with grade of “C” or better) Lecture: 3 hours, Lab: 3 hours, Recitation: 1 hour

CHEM 1060 - Chemistry of Hazardous Materials (3 Credits)
This course provides an insight into hazardous liquids, solids and gases. Students are exposed to basic chemistry, storage, handling laws, standards and fire fighting practices pertaining to hazardous liquids, solids and gases. (Prerequisite: CHEM 1000) Lecture: 3 hours

CHEM 1010 - Survey of Biomedical Chemistry (5 Credits)
This course in the fundamentals of chemistry is for those interested in the biological and health science areas who need less extensive coverage of chemistry than is provided by CHEM 1030. Subjects covered include atomic theory, chemical bonding, properties of matter, properties of solutions, the colloidal state and theory applications of radioactivity. The laboratory utilizes the principles and techniques discussed in lecture. (Prerequisite: MATH 0600 or higher with grade of “C” or better or ACCUPLACER testing out of MATH 0600 and Chemistry placement exam) Lab/Recitation: 4 hours

CHEM 1020 - Basic Skills for Chemistry (3 Credits)
This course is for students who are adequately prepared to enter General Chemistry, Health Science Chemistry or Survey of Biomedical Chemistry. Topics stressed are physical measurements, problem-solving and chemical language. Students are given first-hand experience in data gathering, evaluation and presentation. Note: Not open to students who have already completed CHEM 1010, 1030 or 1180 without permission of department chairperson. (Prerequisite: MATH 0600 or higher with grade of “C” or better or ACCUPLACER testing out of MATH 0600 and Chemistry placement exam) Lab/Recitation: 4 hours

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Principles of chemistry dealing with the structure of matter, periodic system, chemical bonding, formulas and equations are studied in this course. Laboratory work provides an opportunity to see the applications of these chemical principles. Note: This course is for students who plan to pursue further studies in science, pharmacy or engineering. (Prerequisite: MATH 0600 or higher with grade of “C” or better or ACCUPLACER testing out of MATH 0600 and Chemistry placement exam or CHEM 1020 with grade of “C” or better) Lecture: 3 hours, Lab: 3 hours, Recitation: 1 hour

CHEM 2270 - Organic Chemistry I (3 Credits)
This course deals with the chemical principles involved in organic reactions. Emphasis is placed on compounds in the aliphatic series. (Prerequisite: CHEM 1100) Lecture: 3 hours

CHEM 2271 - Organic Chemistry I Lab (2 Credits)
This laboratory enhances lecture material presented in CHEM 2270 by illustrating methods of preparation, purification and characterization of organic compounds using accepted techniques. (Prerequisite: Prior credit or concurrent enrollment in CHEM 2270) Lab: 3 hours, Recitation: 1 hour

CHEM 2280 - Organic Chemistry II (3 Credits)
A continuation of CHEM 2270, this course emphasizes the aromatic series of organic compounds and synthetic organic chemistry. (Prerequisite: CHEM 2270) Lecture: 3 hours

CHEM 2281 - Organic Chemistry II Lab (2 Credits)
This laboratory enhances the lecture presented in CHEM 2280. (Prerequisites: CHEM 2270 and 2271 and prior credit or concurrent enrollment in CHEM 2280) Lab: 3 hours, Recitation: 1 hour

CHEM 2500 - Applications in Science and Math (1 Credit)
This capstone course is intended for students in their final semester of the Science program. It allows students an opportunity to demonstrate an integration of knowledge and abilities acquired in previous science and mathematics courses with the added intent of developing new insights. Students read selected articles, such as those that come from scientific journals, in a variety of fields and then have the opportunity to collaborate with their peers and hone writing, synthesis and presentational skills in a seminar setting. (Prerequisite: Successful completion of a minimum of 21 general education credits and a minimum of 18 Science credits or permission of instructor) Lecture: 2 hours

CHIN (CHINESE)

CHIN 1000 - Basic Spoken Chinese (3 Credits)
This is an introductory elective course for beginners emphasizing correct pronunciation and basic vocabulary for practical use in everyday conversational situations and travel dialogues. Students with no previous study of the language are prepared to use and understand it within a limited context and basic structure. Lecture: 3 hours

CHIN 1100 - Basic Spoken Chinese II (3 Credits)
This is a continuation of Basic Spoken Chinese (CHIN 1000). (Prerequisite: CHIN 1000 or its equivalent) Lecture: 3 hours

CHMT (CHEMICAL TECHNOLOGY)

CHMT 1120 - Chemical Technology I (6 Credits)
This course is an introduction to basic concepts in chemistry. The course covers chemical properties; identification and separation of substances, atomic and molecular structure, elements and compounds, liquids and solutions; the periodic table and the naming of inorganic substances. Students will use a variety of instruments including the gas chromatograph, manometers, analytical balances and visible spectrophotometers. Lecture: 2 hours, Lab: 8 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
CHMT 1121 - Chemistry for Biotechnology (3 Credits)
This course provides an introduction to basic concepts in chemistry and instruction in the use of instruments, including gas and liquid chromatographs, electronic balance, visible spectrophotometers and pH meters. Topics covered include chemical properties, identification and separation of substances, atomic structure, elements and compounds, gases and solutions, acids and bases, and amino acids and proteins. Lecture: 2 hours, Lab: 3 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.

CHMT 1220 - Chemical Technology II (6 Credits)
This course is a continuation of Chemical Technology I and covers acid-base chemistry, equilibrium, and qualitative and quantitative analysis. (Prerequisite: CHMT 1120 or its equivalent) Lecture: 2 hours, Lab: 8 hours

CHMT 2320 - Chemical Technology III (10 Credits)
This course is a continuation of Chemical Technology II and covers an introduction to organic chemistry via study of organic functional groups, classification of organic compounds using wet and instrumental methods and organic reactions. It also will focus on infrared spectrophotometry separation methods, including gas chromatography and high pressure liquid chromatography. (Prerequisite: CHMT 1220 or its equivalent) Lecture: 4 hours, Lab: 12 hours

CNVT (Computer Networking Visualization Technology)
For reference:
OLD NAME   NEW NAME
ETEK 1000   CNVT 1000
ETEK 2350   CNVT 1010
ETEK 1500   CNVT 1200
CSCO 1850   CNVT 1810
CSCO 1860   CNVT 1820
CSCO 1870   CNVT 1830
CSCO 1880   CNVT 1840
CSCO 2010   CNVT 2010
CSCO 2020   CNVT 2030
CSCO 2060   CNVT 2060
CSCO 2050   CNVT 2100
CSCO 1990   CNVT 2200
ETEK 2100   CNVT 2300
ETEK 2110   CNVT 2310

CNVT 1000 - Computer Repair A+ Hardware (formerly ETEK 1000) (3 Credits)
This course covers the installation, configuration and troubleshooting of hardware components. The material is presented to prepare the student for the A+ OS Technologies examination. Lecture: 2 hours, Lab: 2 hours

CNVT 1200 - Introduction to Wireless Networks (formerly ETEK 1500) (3 Credits)
This course introduces wireless networking over a range of applications, from cell phones to wireless local area networks (WLAN), to broadband wide area network links and satellites. Topics covered include an overview of wireless communication technology, protocol layers, local area network (LAN) hardware, IP addressing, 802.11 standards, MA (Media Access Control) standards, WLAN components, basic security, basic RF theory, antennas and troubleshooting. The student will have hands-on experience with various LAN and WLAN networking components, applications, tools and projects. (Prerequisite: CNVT 1000) Lecture: 2 hours, Lab: 2 hours

CNVT 1800 - Local Area Networking (LAN) Design and Management (formerly CSCO 1870) (3 Credits)
This course focuses on advanced networking concepts that enable students to design and implement local area networks and virtual local area networks. Lecture: 2 hours, Lab: 2 hours

CNVT 1810 - Networking Technology (formerly CSCO 1850) (3 Credits)
This course provides students with a thorough understanding of how basic networking components work in a practical hands-on environment utilizing state-of-the-art telecommunications equipment. Lecture: 2 hours, Lab: 2 hours

CNVT 1820 - Intermediate Networking (formerly CSCO 1860) (3 Credits)
This course focuses on networking terminology and protocols, networking standards, LAN, WAN, OSI modules, Ethernet, token ring, FDDI, TCP/IP addressing protocol, dynamic routing and the network administrator’s role and function. Lecture: 2 hours, Lab: 2 hours

CNVT 1830 - Local Area Networking (WAN) Design and Configuration (formerly CSCO 1880) (3 Credits)
This course focuses on advanced networking concepts that enable students to design and implement wide area networks. Lecture: 2 hours, Lab: 2 hours

CNVT 2010 - Cisco CCNP ROUTE (formerly CSCO 2010) (5 Credits)
Cisco ROUTE covers specialized routing concepts including advanced IP addressing techniques, CIDR, NAT, DHCP, IP helper addresses, dynamic routing, static routing, default routing, single area OSPF, multi-area OSPF, point-to-multipoint OSPF, multi-area OSPF, EIGRP route summarization, route redistribution, route filters, route maps, policy routing, BGP, IPv6 and network security. (Recommended: Successful completion of CCNA exam and Cisco Certified Academy attendance or demonstrated proficiency using laboratory equipment.) Lecture: 3 hours, Lab: 5 hours

CNVT 2030 - Cisco CCNP SWITCH (formerly CSCO 2030) (5 Credits)
Cisco SWITCH concentrates on advanced concepts of multi-layer switching in a network environment. Topics include switching technologies, LAN Media, Gigabit Ethernet, switch configuration, VLANs, VLAN Trunking Protocol (VTP), Spanning Tree Protocol, multi-layer switching, redundant routing protocols, multicasting, and restricting network access. (Recommended: Successful completion of CCNA exam and Cisco Certified Academy attendance or demonstrated proficiency using laboratory equipment.) Lecture: 3 hours, Lab: 5 hours
CNVT 2060 - CCNP TSHOOT: Maintaining and Troubleshooting Cisco IP Networks (formerly CSCO 2060) (5 Credits)

This course concentrates on advanced concepts of internetwork troubleshooting. Topics include network maintenance and methodologies, troubleshooting processes, troubleshooting tools, maintaining switched and routed solutions, addressing services, performance issues, and network security implementations. (Prerequisites: CNVT 2010, 2030 or equivalent. Recommended: Successful completion of CCNA exam and Cisco Certified Academy attendance or demonstrated proficiency using laboratory equipment.) Lecture: 3 hours, Lab: 3 hours

CNVT 2300 - Desktop Technician – Consumer (formerly ETEK 2100) (3 Credits)

In this course, students learn how to install and support users running the Microsoft Windows operating system. Topics include installing operating systems and service packs, managing access to files and folders, configuring hardware devices and drivers, setting up network protocols, configuring security options and troubleshooting associated problems. Lecture: 2 hours, Lab: 2 hours

CNVT 2310 - Desktop Technician – Business (formerly ETEK 2110) (3 Credits)

In this course, students learn how to install and support desktop applications running under the Microsoft Windows operating system. Applications include the complete Office Suite, Outlook and Internet Explorer. Students learn how to set up standard and custom configurations for these applications. They also learn how to manage security issues and respond to breaches. Troubleshooting problems associated with these applications, including connectivity issues, also are explored. (Prerequisite: COMI 1100) Lecture: 2 hours, Lab: 2 hours

CNVT 2320 - Network Security (formerly CSCO 1990) (4 Credits)

This course concentrates on network security procedures and practices as they apply to routed networks. Security threats and their management; intrusion detection; securing networks through hardware devices; Authentication, Authorization and Accounting (AAA); firewall technologies; cryptographic systems and virtual private networks (VPNs) are included. (Recommended: Successful completion of CCNA exam and Cisco Certified Academy attendance or demonstrated proficiency using laboratory equipment.) Lecture: 3 hours, Lab: 3 hours

COMI (COMPUTER STUDIES AND INFORMATION PROCESSING)

Programming language courses:

COMI 1000 - Computer Basics (1 Credit)

This is a basic course in using computers for students with no familiarity with computers. It covers topics such as working with Windows and the Windows desktop, file handling, email and the Internet (browsing and searching). Lab: 4 hours

COMI 1100 - Introduction to Computers (3 Credits)

This computer literacy course provides a comprehensive introduction to the principles of computers and information processing. Students are introduced to the operation and terminology of computer systems as well as certain selected application software packages such as word processing, spreadsheets and presentation software. Note: Lecture and lab hours vary by instructor but total four hours per week.

COMI 1105 - Expanding Your Computer Skills (3 Credits)

Skills will be developed to facilitate taking the next steps in computing including topics such as IM, talk bots, messenger systems, RSS feeds, blogs, podcasting and social networking systems. Students will learn how to recognize, prevent and remedy problems caused by spyware, adware and other “malware.” Students will be introduced to wireless home networking technologies, open source software and the next level of software applications and operating systems. The course will survey software available for communicating through a broadband Internet connection as well as software products that can be handled by a thumb drive. Lecture: 3 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
COMI 1225 - Programming in C# (3 Credits)
C# is a programming language developed for creating Web-based applications in Microsoft’s .NET framework. This course introduces students to fundamental programming concepts, along with object-oriented programming, graphical-user interface components and other features appropriate for use in Web-based applications. (Recommended prerequisite: COMI 1150) Lecture: 2 hours, Lab: 2 hours

COMI 1240 - Object-Oriented Programming (3 Credits)
This course introduces students to the fundamentals of designing and coding object-oriented programs. Basic topics such as objects, classes and class inheritance are discussed. Students write programs using one of the object-oriented languages. (Recommended: COMI 1150) Lecture: 3 hours, Lab: 1 hour

COMI 1241 - Introduction to Object-Oriented Programming (1 Credit)
This module surveys the topic of object-oriented programming. Students write simple programs using an object-oriented language. (Recommended: COMI 1150) Lecture: 3 hours, Lab: 1 hour

COMI 1260 - Programming in Fourth Generation Languages (3 Credits)
This course offers a foundation in the fundamentals of fourth generation language programming. Particular attention is devoted to the use of ANSI-Standard SQL to construct and manipulate database objects. Students create database tables and generate SQL scripts to extract and manipulate data from the database. (Recommended: COMI 1150) Lecture: 3 hours, Lab: 1 hour

COMI 1410 - Personal Computer Software (3 Credits)
This course introduces operational procedures for several standard data management software packages that utilize computer systems. Students construct and manipulate data files to produce clear, concise reports. Lecture: 2 hours, Lab: 2 hours

COMI 1415 - Personal Computer Operating System (1 Credit)
This module familiarizes students with operating system commands for the personal computer. Students are exposed to statements to enhance their computer operation abilities. Lecture: 2 hours, Lab: 2 hours

COMI 1420 - Introduction to Spreadsheets (1 Credit)
The purpose of this module is to introduce the operational procedures for a spreadsheet software package. Students construct and manipulate data files to produce clear and concise reports. Lecture: 2 hours, Lab: 2 hours

COMI 1422 - Intermediate Spreadsheets (1 Credit)
This module presents topics and functions, advanced database techniques and additional add-in topics. It focuses on conceptual features beyond the scope of beginning spreadsheet uses. Topics include utilizing additional spreadsheet features and macro planning and development. (Recommended: COMI 1420) Lecture: 2 hours, Lab: 2 hours

COMI 1425 - Advanced Spreadsheets (1 Credit)
This module covers advanced topics using integrated spreadsheet software including macros, application design and menu building. (Recommended: COMI 1422) Lecture: 2 hours, Lab: 2 hours

COMI 1428 - Use of Database Software (3 Credits)
This course introduces students to different methods of organizing and accessing computer files as well as covering database design and management, macros, events, procedures, reports, queries and forms. Additional topics include data file and record structure definitions, their construction and their use in other applications. Lecture: 2 hours, Lab: 2 hours

COMI 1430 - Introduction to Database Software (1 Credit)
This module introduces students to different methods of organizing and accessing computer files. Fundamentals of database design and management are covered. Lecture: 2 hours, Lab: 2 hours

COMI 1432 - Intermediate Database Software (1 Credit)
This module focuses on the creation and manipulation of data files to produce meaningful output using database software. Emphasis is on the presentation of queries, forms and reports. (Recommended: COMI 1430) Lecture: 2 hours, Lab: 2 hours

COMI 1434 - Advanced Database Software (1 Credit)
This module introduces students to the basics of SQL, a database programming language. Emphasis is on the introduction of SQL commands and syntax of SQL statements. (Recommended: COMI 1150, 1432) Lecture: 2 hours, Lab: 2 hours

COMI 1440 - Presentation Software (1 Credit)
This module focuses on the use of computer software that incorporates presentation as well as analytical graphics. Students create informative report documents and visual presentations using charts, graphs and/or pictures. Lecture: 2 hours, Lab: 2 hours

COMI 1450 - Windows Operating System (3 Credits)
This course introduces students to the Windows operating system. Basic and advanced features of Windows are demonstrated. Students explore topics in system diagnostics and troubleshooting, networking, configuration, customization, and commonly used software tools as well as learning about new developments in Windows. Lecture: 3 hours, Lab: 1 hour

COMI 1451 - Introduction to Windows (1 Credit)
This module familiarizes students with the graphical-user operating environment. Basic functions of Windows are demonstrated. Students do laboratory assignments to utilize the basic operating functions of Windows such as file handling, fonts, graphics, icons and screen control. Lecture: 3 hours, Lab: 1 hour

COMI 1460 - UNIX Operating System (3 Credits)
This course covers basic command structures and syntax of the UNIX operating system and includes file and directory manipulation and shell scripts. Essential system administration topics and system administration shell scripts are also discussed as well as system start up/shut down, account management and system backup of the UNIX operating system. This class covers advanced system administration

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
COMI 1461 - Introduction to UNIX (1 Credit)
This module exposes students to the basic command structures and syntax of the UNIX operating system. Content includes file and directory manipulation as well as use of shell scripts. Lecture: 3 hours, Lab: 1 hour

COMI 1462 - Intermediate UNIX (1 Credit)
This module provides an understanding of essential system administration topics and system administration shell scripts. It covers system start up/shut down, account management and system backup of the UNIX operating system. (Recommended: COMI 1461) Lecture: 3 hours, Lab: 1 hour

COMI 1463 - Advanced UNIX (1 Credit)
This module covers advanced system administration topics including networking, security, printing systems and graphical-user interface of the UNIX operating system. (Recommended: COMI 1462) Lecture: 3 hours, Lab: 1 hour

COMI 1470 - Windows Programming Using C++ (3 Credits)
This course focuses on using C++ to design programs that run under the Windows operating system. It includes an overview of object-oriented concepts, creating Windows applications, capturing the mouse and keyboard, creating menus, dialog boxes and toolbars and single and multiple document interfaces. (Recommended: COMI 1150 or 1215) Lecture: 3 hours, Lab: 1 hour

COMI 1475 - Introduction to Visio (1 Credit)
This module introduces basic Visio tools. Students create and manipulate drawings and shapes, including flow charts, diagrams and organizational charts. Lecture: 3 hours, Lab: 1 hour

COMI 1510 - Java Programming (3 Credits)
Java is a programming language with flexibility to be used either on a network or stand-alone system. This course explores features that set it apart from traditional programming languages: its graphics and user-interface features along with its implementation of object-oriented program design. (Recommended: COMI 1150 and one other programming language course) Lecture: 3 hours, Lab: 1 hour

COMI 1520 - Visual Basic Programming (3 Credits)
The course familiarizes students with an object-oriented, event-driven language using Visual Basic in a Windows environment. Topics include the creation and use of buttons, list boxes, scroll bars and icons in the Windows application. (Recommended prerequisite: COMI 1150) Lecture: 3 hours, Lab: 1 hour

COMI 1530 - Advanced Visual Basic Programming (3 Credits)
This course covers the advanced concepts of the object-oriented programming language using Visual Basic programming in the Windows environment. Topics include Windows common controls, database applications, classes, API and Active X. (Recommended: COMI 1150, 1520) Lecture: 3 hours, Lab: 1 hour

COMI 1640 - Introduction to Word Processing (1 Credit)
This module introduces introductory word processing features such as creating, printing and editing a document. This course covers formatting documents including text and paragraphs. Students use spelling, grammar and auto-correct features and are introduced to headers, footers and tables in basic word processing documents. Lecture: 3 hours, Lab: 1 hour

COMI 1645 - Intermediate Word Processing (1 Credit)
This module covers intermediate word processing features. Topics include tables and data management, envelopes, labels and mail merge, formatting large documents, tables of content and indexes, as well as creating online forms and working with outlines. (Recommended: COMI 1640) Lecture: 3 hours, Lab: 1 hour

COMI 1650 - Advanced Word Processing (1 Credit)
This module covers more advanced word processing features. Topics include incorporating graphic elements into documents, working with columns, using desktop publishing features and incorporating the use of macros into word processing documents. The use of the drawing tools as well as the creation of Web pages using a word processor also will be discussed. (Recommended: COMI 1645) Lecture: 3 hours, Lab: 1 hour

COMI 1751 - Introduction to HTML (1 Credit)
This module introduces students to the use of the HTML language and the basic features of HTML scripting. Lecture: 3 hours, Lab: 1 hour

COMI 1755 - XML Fundamentals (3 Credits)
The newest language technique developing on the Web is the eXtensible Markup Language. This course introduces fundamentals of XML languages to define and validate data, use schemas, transformations, linking, VML, SMIL and CSS. XML files are used with different editing software. Assignments are used to demonstrate XML activity at students’ websites. Lecture: 3 hours, Lab: 1 hour

COMI 1761 - Introduction to the Use of the Internet (1 Credit)
This module is an introduction to the Internet and its associated tools. Lecture: 3 hours, Lab: 1 hour

COMI 1770 - Fundamentals of Website Development (3 Credits)
This course provides an in-depth introduction to a variety of technologies used in modern web development. Building on a base of HTML 5 and CSS 3, students will explore JavaScript, jQuery and related technologies for building dynamic web sites. Students will also be introduced to server-side scripting and best practices for web hosting. Lecture: 3 hours, Lab: 1 hour

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
**COMI 1771 - Introduction to Website Development (1 Credit)**
This module familiarizes students with a one-level World Wide website. Students design and create a one-level Web page set containing a frame page, link table, form fields, graphic slide pages or downloadable page. Lecture: 3 hours, Lab: 1 hour

**COMI 1775 - Media on the Web (1 Credit)**
Many media techniques are being used on the Web today. This course introduces coding techniques to implement different forms of media files as Web content. Coding techniques to implement different forms of graphic, audio and video media files as Web content are presented. Assignments are used to demonstrate media content at students’ websites. Lecture: 2 hours, Lab: 2 hours

**COMI 1776 - E-commerce Software (1 Credit)**
Electronic commerce on the Web is becoming an important part of business and organizational success. This module introduces website software that enables electronic commerce activity within the website and on websites offering electronic store capability. Current e-commerce software techniques to add an e-commerce capability to the website are introduced. Student websites and online store sites are used to display coursework. Lecture: 3 hours, Lab: 1 hour

**COMI 1782 - Security of Your Computer (1 Credit)**
This module introduces computer hardware and software security. Topics such as physical security of hardware, password systems, email security, file backup/restore, data file encrypting, cookies, virus software, personal firewall and proxy software are covered. Lecture: 3 hours, Lab: 1 hour

**COMI 1800 - Computer Networking Software (3 Credits)**
This course presents the administration of a LINUX network. Topics include installing, using, administering and maintaining a LINUX network. Lecture: 3 hours, Lab: 1 hour

**COMI 1840 - Microsoft Windows Server (3 Credits)**
This course presents the terminology and operating principles of Microsoft Windows server software. Students learn how to use, install and maintain Microsoft Windows networking software. Lecture: 3 hours, Lab: 1 hour

**COMI 1905 - Desktop Publishing Software (3 Credits)**
This course focuses on basic page design, layout and formatting of publications for production of a complete camera-ready newsletter or newspaper. Lecture: 3 hours, Lab: 1 hour

**COMI 1971 - Introduction to Animation Software (1 Credit)**
This module introduces students to the fundamental concepts and skills of animation software. Students learn how to draw basic shapes and work with type and the pen tool to create objects. Students learn to animate object properties, edit key frames and animate object properties to create a basic animation. Lecture: 3 hours, Lab: 1 hour

**COMI 1973 - Advanced Animation Software (1 Credit)**
This module expands students’ knowledge of skills of animation software. Students learn to create basic rollovers, animated and remote rollovers and animated masks. Students also learn to create basic behaviors, animate time-independent groups and add sounds to compositions. Creating advanced behaviors, combining animations with QuickTime movies in Web development software and exporting work also are explored. (Recommend: COMI 1971) Lecture: 3 hours, Lab: 1 hour

**COMI 2010 - Client-Side Scripting Languages (3 Credits)**
This course will introduce scripting languages and their use in programming for the World Wide Web with a focus on client-side scripting. It will include fundamental programming topics such as memory concepts, control structures and writing functions. It also will include an introduction to both client-side and server-side scripts. (Recommended prerequisites: COMI 1150 and 1241) Lecture: 3 hours, Lab: 1 hour

**COMI 2012 - Server-Side Scripting Languages (3 Credits)**
This course introduces server-side scripting using current technologies. It includes fundamental programming topics such as control structures, data representation, object-oriented development techniques as well as more advanced topics such as server capabilities and interfacing with databases to support e-commerce and customizable user experiences on the Web. Lecture: 3 hours, Lab: 1 hour

**COMI 2015 - Introduction to Microsoft Project (1 Credit)**
This module introduces students to project management software, an essential tool used by most information technology environments. Upon completion of this course, students are able to create and analyze projects using Microsoft Project Manager. Lecture: 3 hours, Lab: 1 hour

**COMI 2031 - Computer Support: Concepts (3 Credits)**
Because of high demand for specialists, this course introduces students to basic technical concepts, functions and support systems. Lecture: 2 hours, Lab: 2 hours

**COMI 2032 - Computer Support: End User (3 Credits)**
As the user-base of technology continues to grow, this course teaches students about the different tools available for internal vs. external users, reviews the recommended set of “soft skills” and identifies the many different skill levels of the computer user. (Prerequisite: COMI 2031) Lecture: 2 hours, Lab: 2 hours

**COMI 2033 - Computer Support: Tools and Techniques (3 Credits)**
This course focuses on software support tools and how to determine which tools are best suited for particular environments as well as methods to assess the success and effectiveness of these tools. (Prerequisite: COMI 2031) Lecture: 2 hours, Lab: 2 hours

**COMI 2035 - Introduction to Computer Forensics (3 Credits)**
This course starts with the basics of computer technology to build a foundation for understanding where evidence can be found. It introduces students to the technology and

**Prerequisite:** Successful completion of course required before registering. **Corequisite:** Course must be taken prior to or at the same time.
COMI 2036 - Introduction to Computer Ethics (3 Credits)

This course explores the ethical impact of computer technology on the world, as well as the rules and regulations that ensure the proper use of technology. Internet crime, privacy protection and first amendment rights that protect our freedoms in cyberspace are closely examined. (Recommended: Take in final semester.) Lecture: 3 hours, Lab: 1 hour

COMI 2037 - Introduction to Cybersecurity (3 Credits)

Cybersecurity is a primary concern of the U.S. government as well as most major corporations in the country. This course introduces students to the opportunity that exists in the cybersecurity field. Topics such as certified ethical hacking, cyber threats and vulnerabilities and cryptography are introduced. Lecture: 2 hours, Lab: 2 hours

COMI 2040 - Beginning Game Programming (3 Credits)

This course will introduce the student to game development and the beginning principles of game programming. (Recommended: COMI 1150) Lecture: 2 hours, Lab: 2 hours

COMI 2050 - Social Networking Systems (3 Credits)

This course will introduce the concepts of social networking systems. It will define the advantages and disadvantages of current applications and explore tools, techniques and platforms that support the software from desktop computers to mobile devices. The students will learn the fundamentals of using social networking applications and become familiar with Web 2.0 technologies such as blogs, podcasts, wikis and forums. The variety of categories of these systems will be discussed and students will be able to apply these basic tools and techniques. Lecture: 2 hours, Lab: 2 hours

COMI 2055 - Introduction to Virtual Computing (1 Credit)

This five-week class provides an introduction to computer virtualization concepts which include hands-on activities of installing, configuring and using virtualization products. Lecture: 2 hours, Lab: 2 hours

COMI 2225 - Advanced C# Programming (3 Credits)

This course introduces the student to advanced topics in programming and software design using Microsoft's C# programming language. Topics covered include classes, abstract classes, inheritance, ADO.Net data driven applications using a database, ASP.Net for Web applications, collections and file streams. (Prerequisites: COMI 1215, 1225, or permission of instructor) Lecture: 3 hours, Lab: 1 hour

COMI 2510 - Advanced Java Programming (3 Credits)

This course introduces students to advanced topics in programming and software design such as graphical modeling techniques and algorithms and analysis as well as current techniques in interface design and user interaction. Specific topics reflect current technologies and might include inheritance and polymorphism in object-oriented design and graphical user interfaces and the event loop. (Recommended: COMI 1510) Lecture: 3 hours, Lab: 1 hour

COMM 1000 - Foundations in Video and Audio Production (4 Credits)

This introductory, hands-on course is designed for students who have little or no experience in video/sound production. They learn the basics of image and sound creation necessary for subsequent courses. Topics include camera and microphone operation, video and audio capture, camera supports, editing, adding foley and sound tracks, titling, effects and color correction. Students also learn how to compress and encode video so that it is optimized for current platforms. Lecture: 4 hours

COMM (COMMUNICATION)

COMM 1050 - Mass Media Foundations (3 Credits)

This introductory course surveys how media influences individuals, cultures and societies. Topics include entertainment media, digital media, the Internet, books, newspapers, magazines, recordings, advertising and other relevant issues. In addition, media ethics and responsibility, government regulation, legal issues, politics and corporate media are examined. Lecture: 3 hours

COMM 1100 - Oral Communication 1 (3 Credits)

This one-semester basic course in speech is designed to develop each student's ability to communicate effectively in his or her academic, business and social life. The major emphasis is on the preparation and delivery of formal speeches, but many areas of the communication process are explored. (Prerequisites: Eligible for ENGL 1005 or higher and ENGL 0850 or higher or permission of instructor) Lecture: 3 hours

COMM 1180 - Oral Interpretation (3 Credits)

This course is designed for students with experience in speaking who are planning careers that require them to read aloud, to be dramatic and to tell stories, possibly to children. Students will learn to interpret prose and poetry orally for the entertainment and edification of small or large audiences. Admission is by approval of the instructor. Lecture: 3 hours

COMM 1400 - Social Media Communication (3 Credits)

This course explores the history, rise and growth of social media as a 21st century communication practice. Students study the advances that led to the creation of social media and just as importantly examine how the use of social media feed its growth. Students develop social media communication plans and practice digital communication using online tools, such as Facebook, Twitter, LinkedIn, Kickstarter, YouTube, Flickr, Digg and Tumblr. Lecture: 3 hours

COMM 2000 - Media Writing (3 Credits)

This course provides instruction in writing for print, broadcast, video and new media. Students practice skills including form and content required for various media. Writing objectively, considering legal and ethical issues, developing ideas and stories, gathering information and interviewing are some concepts covered by this course. (Prerequisite: Placement in ENGL 1010 or completion of ENGL 1005 with grade of “C” or better) Lecture: 3 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
COMM 2050 - Media and Broadcast History (3 Credits)
Media and Broadcast History is an overview of the institutional, technological and social history of media and broadcasting. Starting with media of early civilization, students will study developments and trends throughout history that will culminate with media of the present. This course will reveal the major models of print, radio, television and the Web that have provided the foundation for communication in industry and society. The historical roles of content producers, broadcasters and government regulators will be explored to provide students with a greater understanding of media today. Lecture: 3 hours

COMM 2100 - Studio Production (3 Credits)
This introductory course familiarizes students with video production in a studio environment. They acquire the skills to produce basic video productions for television and the Web. Students learn to communicate effectively by making class presentations, writing production proposals and completing video productions. **Prerequisite: COMM 1000** Lecture: 3 hours, Lab: 1 hour

COMM 2200 - Field Production (3 Credits)
This course builds on basic video production principles learned in COMM 1000 and COMM 2100 and incorporates field production techniques. Students use both analog and digital technology. Lectures, screenings and hands-on labs provide an in-depth understanding of video production and related business topics. Also included are technical aspects of scripting, lighting, camera operation, continuity, post-production editing, logistics and preparing a production budget. **Prerequisite: COMM 1000** Lecture: 3 hours, Lab: 1 hour

COMM 2300 - Video and Media Editing (3 Credits)
This course provides students with an in-depth study of the history, techniques and technology of video and media editing. Students study the principles and practices of editing by analyzing examples from classic and contemporary film and video as they learn how to build and strengthen a story and engage an audience. Using the latest industry nonlinear software tools, students work on advanced editing exercises that provide opportunities to master the editing process. The editing process, techniques, in-depth procedures and skills are reviewed. At the end of the course, students will have learned the skills necessary to prepare for professional certification. **Prerequisite: COMM 1000 or 2100 or 2200** Lecture: 3 hours, Lab: 1 hour

COMM 2350 - Motion Graphics for Media Communication (3 Credits)
This course teaches students the syntax of motion graphics so that they understand the how and why of incorporating effects in a video sequence. Students become familiar with industry standard tools to make video productions communicate more effectively, much like writers use parts of speech and punctuation to craft their messages. **Prerequisite: COMM 1000 or 2100 or 2200** Lecture: 3 hours, Lab: 1 hour

COMM 2400 - Media Production and Distribution Fundamentals (3 Credits)
Students in this course gain a practical understanding of the planning and distribution of media productions and film projects. They use digital technology including encoding media for media streaming; DVD authoring; and podcasting for broadcast, Web, commercial, and social media outlets. Students prepare their own media portfolio for presentation to prospective employers or clients, and college or university admission. **Prerequisite: COMM 1000** Lecture: 3 hours, Lab: 1 hour

COMM 2400 - Video and Media Editing (3 Credits)
This course provides students with an in-depth study of the history, techniques and technology of video and media editing. Students study the principles and practices of editing by analyzing examples from classic and contemporary film and video as they learn how to build and strengthen a story and engage an audience. Using the latest industry nonlinear software tools, students work on advanced editing exercises that provide opportunities to master the editing process. The editing process, techniques, in-depth procedures and skills are reviewed. At the end of the course, students will have learned the skills necessary to prepare for professional certification. **Prerequisite: COMM 1000 or 2100 or 2200** Lecture: 3 hours, Lab: 1 hour

COMM 1070 - Computer Application Systems (3 Credits)
This course covers processes followed in designing computer systems, characteristics of key business computer applications and inter-relationships between computer applications. Exercises and case problems are used to provide a thorough understanding of flowcharting techniques and application development. Lecture: 3 hours

COMP 1200 - Database Design and Management (3 Credits)
Different methods of organizing and accessing computer files are introduced with an in-depth coverage of database design and management. Teleprocessing concepts are reviewed and Access is used for instructional purposes. Lecture: 3 hours, Lab: 1 hour

COMP 1210 - Database Implementation and Administration (3 Credits)
This course focuses on the significant aspects of implementing, utilizing and maintaining a database using a relational DBMS. Students learn the basics of database implementation including installing and configuring a DBMS, creating and populating database tables, managing database tables using constraints and indexes, and extracting data using SQL. **Recommended: COMP 1200**
Lecture: 2 hours, Lab: 2 hours

COMP 2430 - Operating Systems (3 Credits)
This course covers the structure and components of operating systems. Topics include controlling system resources, interface concepts, multiprogramming, networks and command language techniques of current operating systems. Laboratory assignments provide application of these principles. Lecture: 3 hours, Lab: 1 hour

COMP 2500 Cybersecurity Practicum/ Capstone Course (3 Credits)
The Cybersecurity Practicum/Capstone course provides “hands on” experience to promote development of important skills. Weekly meetings with the course instructor will review key program topics. To complete the course, the student is required to spend an average of 10 hours per week of field work under the guidance of industry professionals in order to apply the accumulation of program knowledge in a real world setting. The student will be required to produce a report relating to the work experience and how it is connected to the content of this program. This class also has an on-campus meeting requirement which will be used to develop a portfolio identifying the experiences the student has been exposed to in the field. Students will keep a working journal during the semester to help assess the progress of their experience. **Prerequisite: Final semester standing** Lecture: 1 hour, Clinical: 10 hours per week for 13 weeks

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
**COOP (COOPERATIVE EDUCATION)**

See LIBA 1010 and 1020, ADAS 2580 and 2590 and MEDL 2910 for appropriate course sections.

**CULN (CULINARY)**

CULN 1000 - Food Sanitation (3 Credits)

This course provides instruction on the extreme importance, reasoning and biological basics of sanitation practices related to the food industry. Students learn practices and procedures for safe food storage, handling, presentation and disposal. Topics include sanitation principles, prevention of illnesses, HACCP, accident prevention and food bacteriology, among others. Lecture: 3 hours

CULN 1010 - Fundamentals of Restaurant Operations (3 Credits)

This course provides an introduction to the world of culinary management and general industry standards. Students learn basic management skills needed in today’s food service environment and an overview of various segments of the industry. Topics include basic supervisory skills, decision-making, leadership, problem solving, training and national industry standards. Lecture: 3 hours

CULN 1020 - Fundamentals of Food Production I (3 Credits)

This course introduces the basics of the culinary arts in preparation for a career in the food service industry. Students learn basic food preparation as it relates to composition, structure, appearance and nutrition. Major topics include professionalism, knife skills, tools and equipment, review of sanitation and principles of cooking. Lecture: 1 hour, Lab: 4 hours

CULN 1030 - Fundamentals of Food Production II (3 Credits)

This is a continuation of Food Production I with an emphasis on menus and recipes, production processes and hands-on food preparation in a simulated employment environment. Major topics include recognition, selection and proper use of tools and equipment; organization of a kitchen; and maintenance and cleaning of equipment. (Prerequisite: CULN 1000) Lecture: 1 hour, Lab: 4 hours

DAST (DENTAL ASSISTING)

DAST 1010 - Oral Biology I (2 Credits)

This is an introductory course in head and neck anatomy and physiology for the dental assistant. Particular attention is devoted to the oral cavity. Topics include the terminology and function of the teeth, occlusion, skull, nerve innervation and blood flow. (Prerequisite: Enrollment in Dental Assisting program) Lecture: 2 hours

DAST 1020 - Preventive Dentistry (2 Credits)

This course offers students an introduction to the prevention and management of oral diseases. (Prerequisite: Enrollment in Dental Assisting program) Lecture: 2 hours

DAST 1030 - Chairside Dental Assisting I (4 Credits)

This course introduces students to procedures and practices involved in assisting the dentist. Content includes the preparation, use and care of dental instruments and equipment; patient management; basic microbiology and infection control procedures. (Prerequisite: Enrollment in Dental Assisting program) Lecture: 3 hours, Lab: 4 hours

DAST 1040 - Oral Biology II (3 Credits)

This course covers patient evaluation with medical histories, medical emergencies and oral conditions. Students are introduced to the fundamental concepts involving the development of oral tissues and the basic science of pharmacology as it relates to these specific conditions. (Prerequisite: DAST 1010) Lecture: 3 hours

DAST 1050 - Chairside Dental Assisting II (5 Credits)

This course is a continuation of DAST 1030. Students develop basic skills for assisting the dentist with dental specialties, such as endodontics and oral and maxillofacial surgery. Students are assigned to dental treatment facilities for supervised practice of clinical skills. Includes a one-week intercession. (Prerequisite: BIOL 1020 or 1070) Lecture: 2 hours, Lab: 4 hours, Clinical: 320 hours over 16 weeks

DAST 1060 - Dental Office Procedures (2 Credits)

This course covers principles and practices of the dental office. Topics include telephone; patient and appointment management; the preparation, use and care of office and treatment records; third-party payment; supply and inventory control; use of computers to perform basic dental office procedures; and the legal and ethical standards required of professional dental personnel. Lecture: 2 hours

DAST 1070 - Preventive Dentistry II (2 Credits)

This course covers principles of dental hygiene practice. Topics include professional dental personnel. Lecture: 2 hours

DENT (DENTAL)

DENT 1000 - Introduction to Dental Health Careers (2 Credits)

This course provides an introduction to dental assisting and dental hygiene fields. Students gain an understanding of both professions, how to achieve success in dental assisting and dental hygiene programs, and basic dental terminology. This course is a prerequisite for entering either program. Lecture: 2 hours

DENT 2010 - Oral Radiography (4 Credits)

This is a foundation course for dental radiographers. Topics include fundamentals of radiation physics, generation and control of the radiation beam, radiation biology and methods of population protection, radiographic projection and radiographic anatomy and pathology. Supervised laboratory practice includes exposure, evaluation and interpretation of intraoral and panoramic radiographs. Lecture: 3 hours, Lab: 2 hours

DENT 2220 - Dental Materials Lab for Dental Hygienists (1 Credit)

This hybrid course has an outline component with hands-on experience for the dental hygiene student to learn about and practice with materials and techniques used in dental hygiene practice (Prerequisite: Acceptance into the Dental Hygiene program) Lab: 4 hours

DENT 2225 - Dental Materials Lab for Dental Assistants (1 Credit)

This lab provides hands-on experience for dental assisting students to develop skills in the preparation and manipulation of materials commonly used in dental practice. (Prerequisite: Enrollment in Dental Assisting program) Lab: 4 hours

**Prerequisite:** Successful completion of course required before registering. **Corequisite:** Course must be taken prior to or at the same time.
DHYG (DENTAL HYGIENE)

DHYG 1010 - Dental and Oral Anatomy (3 Credits)
This course is a study of the structure and function of the mouth, teeth, head and neck. (Prerequisite: Acceptance into the Dental Hygiene program) Lecture: 3 hours

DHYG 1020 - Dental Hygiene I (3 Credits)
This course introduces students to the fundamental skills and procedures in dental hygiene practice. (Prerequisite: Acceptance into the Dental Hygiene program) Lecture: 3 hours

DHYG 1030 - Clinical Dental Hygiene I (2 Credits)
This course provides an opportunity for students to apply the principles studied in DHYG 1020 in the pre-clinical setting. Students work with mannequins and laboratory partners. (Prerequisite: Acceptance into the Dental Hygiene program) Lab: 6 hours

DHYG 1040 - Oral Embryology and Histology (2 Credits)
This course involves the study of the development, microscopic structure and function of oral and facial tissues. Lecture: 2 hours

DHYG 1050 - Dental Hygiene II (3 Credits)
A continuation of the principles of DHYG 1020, this course covers the philosophy of prevention, concepts of health and wellness, the dental hygiene treatment plan, oral infection control, sealants and fluorides. Emphasis is on communication skills, patient management, and development and implementation of educational strategies. (Prerequisites: DHYG 1020 and 1030) Lecture: 3 hours

DHYG 1060 - Clinical Dental Hygiene II (3 Credits)
This course continues application of the principles and skills learned in DHYG 1020 and DHYG 1030 as well as new material learned in DHYG 1050, including patient education and management. (Prerequisite: DHYG 1030) Clinical: 8 hours

DHYG 2010 - Pathology (2 Credits)
This course is an examination of general and oral diseases. Content includes etiologic agents, tissue response to injury, immunopathology, neoplasia, cardiovascular disease, general diseases with oral manifestations and oral pathology. Consideration is given to specific conditions of importance to oral assessment and care. (Prerequisites: BIOL 1020, DHYG 1040) Lecture: 2 hours

DHYG 2020 - Dental Hygiene III (3 Credits)
This course continues to expand on the principles of dental hygiene practice. Topics include service to patients with special needs and nutrition, including nutritional counseling. (Prerequisites: DHYG 1050 and 1060) Lecture: 3 hours

DHYG 2030 - Clinical Dental Hygiene III (4 Credits)
This course involves continued application of the principles and skills practiced in DHYG 1060 and includes the application of principles studied in DHYG 2020: Dental Hygiene III, including local anesthesia. (Prerequisites: DHYG 1050 and 1060) Clinical: 12 hours

DHYG 2040 - Community Dental Health I (2 Credits)
This course introduces students to the principles of dental hygiene practice in the community setting. Content includes financing and delivery of care, cultural diversity, education of groups, program planning and evaluation and management of the evidence base for dental hygiene practice. (Prerequisites: PSYC 2010, DHYG 1060) Lecture: 2 hours

DHYG 2045 - Community Dental Health II (1 Credit)
This course allows students to apply principles of dental hygiene practice through a supervised externship in a community dental health facility. (Prerequisites: DHYG 1010, 2020 and 2030) Clinical: 3 hours

DHYG 2050 - Periodontics (3 Credits)
This course involves an intensive study of the periodontium as it relates to dental hygiene practice. Content includes epidemiology and pathogens of periodontal disease, assessment of periodontal status, current therapeutic intervention and strategies for maintenance of the periodontal patient. (Prerequisites: BIOL 1020 and 2210) Lecture: 3 hours

DHYG 2060 - Dental Hygiene IV (2 Credits)
This course continues to expand on principles of dental hygiene practice. Content includes legal and ethical issues, dental specialties and entering the professional workforce. (Prerequisites: DHYG 2020 and 2030) Lecture: 2 hours

DHYG 2070 - Clinical Dental Hygiene IV (5 Credits)
This course allows students to continue to apply the principles and skills practiced in DHYG 2020, 2030 and 2060. Integration of dental hygiene procedures into a complete dental hygiene service is covered. (Prerequisites: DHYG 2020) Clinical: 15 hours

DHYG 2090 - Pharmacology for the Dental Hygienist (3 Credits)
This course is a study of the principles of pharmacology as they relate to oral health care. Content includes indications and contraindications for use, pharmacological effects, adverse reactions and interactions of drugs. Special consideration is given to drugs commonly used in dentistry, as well as oral implications of drugs. (Prerequisites: BIOL 1020, DHYG 1020) Lecture: 3 hours

DHYG 2200 - Local Anesthesia for the Registered Dental Hygienist (2 Credits)
This course is designed to enable practicing dental hygienists to gain the knowledge and skill needed to earn a permit to administer local anesthesia in Rhode Island. Topics include oral anatomy, neurophysiology, the pharmacology and pharmacokinetics of local anesthetic agents, legal issues related to local anesthesia and basic injection techniques. Students will serve as patients for each other. (Prerequisites: Active licensure as a dental hygienist in Rhode Island or another state with substantially similar licensure requirements, current CPR certification at the American Heart Association, Health Care Provider level; Completed Hepatitis B vaccination series) Lecture: 2 hours, Lab: 2 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
**DMSD (Diagnostic Medical Sonography)**

**DMSD 2100 - Patient Care for Sonography (3 Credits)**

This course is designed for students to develop the knowledge and skills necessary to address the needs of the patient in the diagnostic imaging department. The success of the students in the clinical setting requires the ability to conduct themselves in a professional and ethical manner. The safety of the patient requires the student to have knowledge of the patient assessment, basic nursing skills and the ability to react to medical emergencies. **Lecture: 3 hours**

**DMSD 2210 - Sonographic Physics and Instrumentation (4 Credits)**

This course provides students with theoretical and practical aspects of ultrasound physics and instrumentation. Wave form, propagation, velocity, wave length, acoustic impedance, reflection and rarefaction are discussed. Components of the ultrasound imager are examined as well as recording devices and basic Doppler principles. **(Prerequisite: MATH 1700 or equivalent) Lecture: 3 hours, Lab: 2 hours**

**DMSD 2220 - Ultrasound Imaging (3 Credits)**

This course provides students with general information that has application in all the ultrasonic imaging concentrations. It addresses standard protocols for patient care, as well as the management of data from other imaging modalities, laboratory findings and patient history. Pertinent legal principles also are covered. An overview of the categories in which disease occurs is included. The biological effects of ultrasound are discussed along with quality control procedures and their importance. **Lecture: 3 hours**

**DMSD 2223 - Ultrasound Imaging for Small Parts, Gynecology and Male Pelvis (4 Credits)**

This course provides a foundation of physiology, pathology and pathophysiology as they relate to the male and female pelvis, thyroid, breast and scrotum. The student will begin to recognize normal and abnormal imaging as they relate to anatomy, pathology and pathophysiology of these structures. Scanning techniques and protocols are discussed in normal and abnormal conditions. Bio-effects, ALARA principle, pertinent in vitro and in vivo studies, exposure display indices and maximum safe exposure levels will be incorporated into the didactic and laboratory classes. Laboratory experience will include further development of entry- to mid-level scanning techniques and protocol on the human male and female pelvis, thyroid, breast and scrotum. Students will demonstrate the ability to perform entry- to mid-level sonographic examinations using real-time sonographic equipment, Doppler and color Doppler equipment with various transducers. **(Prerequisite: DMSD 2100) Lecture: 3 hours, Lab: 2 hours**

**DMSD 2230 - Abdominal Ultrasound (4 Credits)**

This course provides a foundation of physiology, pathology and pathophysiology as it relates to the human abdomen specific to the performance of abdominal sonography. Students begin to recognize normal and abnormal imaging as it relates to anatomy, pathology and pathophysiology of the abdomen. Bio-effects, ALARA principle, pertinent in vitro and in vivo studies, exposure display indices, and maximum safe exposure levels will be incorporated into the didactic and laboratory classes. Laboratory experience will include development of entry-level scanning techniques and protocols on the human abdomen. Students will demonstrate the ability to perform entry-level abdominal sonographic examinations using real-time sonographic equipment, Doppler and color Doppler equipment with various transducers. **(Prerequisite: DMSD 2235) Lecture: 3 hours, Lab: 2 hours**

**DMSD 2240 - Obstetrical Ultrasound (3 Credits)**

This course will focus on the embryology and fetal development in the first, second and third trimester. Recognition of normal and abnormal anatomy will be addressed in the obstetrical, embryonic and fetal patient. Abnormal patterns of pathology and pathophysiology including genetic malformations are discussed. Scanning techniques, protocols and sonographic findings are discussed in the normal and abnormal conditions. Bio-effects, ALARA principle, pertinent in vitro and in vivo studies, exposure display indices and maximum safe exposure levels will be incorporated into the didactic and laboratory classes. Laboratory experience will include further development of entry- to mid-level scanning techniques and protocol on the human female obstetrical, embryonic and fetal patient. Students will demonstrate the ability to perform entry- to mid-level sonographic examinations using real-time sonographic equipment, Doppler and color Doppler equipment with various transducers. **(Prerequisite: DMSD 2100) Lecture: 3 hours, Lab: 2 hours**

**DMSD 2241 - General Ultrasound Practicum I (3 Credits)**

Initial clinical scanning experience of the abdomen is covered. This course focuses on clinical application of standard protocols of the abdomen. Normal and abnormal anatomy are emphasized. Students begin to develop the critical thinking skills needed to correlate the examination with clinical history. Students must be competent in aortic and renal examinations at the completion of this class. Clinical education and competency occur under the supervision of a registered sonographer. **(Prerequisite: DMSD 2230) Clinical: 32 hours per week**

**DMSD 2242 - General Ultrasound Practicum II (3 Credits)**

This practicum involves ongoing assessment of advanced clinical skills of the abdomen incorporating advanced identification of pathology and pathophysiology. Age-specific scanning protocol are covered (infant to adult). Basic scanning protocol on male and female pelvis, thyroid, breast and scrotum is covered. Students must be competent on the complete scan of the abdomen at the completion of this class. Clinical education and student competency are under the supervision of a registered sonographer. **(Prerequisite: DMSD 2241) Clinical: 32 hours per week**

**DMSD 2243 - General Ultrasound Practicum III (3 Credits)**

This practicum involves ongoing assessment of advanced clinical skills of the male and female pelvis, thyroid, breast and scrotum incorporating advanced identification of pathology and pathophysiology. Basic obstetrical scanning protocol begins with a focus on normal anatomy of the maternal embryo and fetus. Students must demonstrate critical thinking and competency in all areas of abdominal ultrasound of the male and female pelvis and small parts and basic obstetrical examinations at the completion of this class. Clinical education, and student competency and verification, are under the supervision of a registered sonographer. **(Prerequisite: DMSD 2242) Clinical: 32 hours per week**
**DMSD 2245 - Sonographic Anatomy**  
(3 Credits)  
This course provides comprehensive coverage of the abdomen and superficial structures (small parts) and their sonographic appearance. Pertinent gross anatomy, sectional anatomy, physiology, pathology and pathophysiology are examined. Students relate specific anatomy to scanning plane and preferred scanning protocols. Lecture: 3 hours

**DMSD 2250 - Vascular Ultrasound I**  
(4 Credits)  
This course provides students with the basic information specific to the performance of vascular sonography. Anatomy, pathology and pathophysiology of the vascular system including arterial, cerebrovascular and venous systems are included. Scanning protocols for the upper and lower extremity are addressed. Biological effects, ALARA principle, pertinent in-vitro and in-vivo studies, exposure display indices, and maximum safe exposure levels will be incorporated into the didactic and laboratory classes. Laboratory experience will include the use of plethysmography and real-time sonography to evaluate and record the hemodynamics of arterial flow. The recognition of normal anatomy, basic pathology and pathophysiology are addressed. Students will demonstrate the use of plethysmography and real-time sonography equipment with vascular transducers. Doppler and color Doppler to perform entry-level vascular examinations. (Prerequisite: DMSD 2250) Lecture: 3 hours, Lab: 2 hours

**DMSD 2252 - Advanced Vascular Ultrasound**  
(3 Credits)  
This course focuses on the application of vascular ultrasound relating to abdominal vasculature and other specialty examinations such as aorta, renal transplant, TIPS procedure, transcranial Doppler, pseudoaneurysm, mapping and the use of ultrasound contrast agents. Interpretation skills on all testing in all disease states will be further developed. Scanning techniques, protocols and sono- graphic findings are discussed in the normal and abnormal conditions. Bio-effects, ALARA principle, pertinent in vitro studies, exposure display indices and maximum safe exposure levels will be incorporated into the didactic and laboratory classes. Laboratory experience will include advanced scanning techniques and protocol on aorta, renal transplant, TIPS procedure, transcranial Doppler, pseudoaneurysm and fistula. Students will demonstrate the ability to perform advanced-level sonographic examinations using real-time sonographic equipment, Doppler and color Doppler equipment with various transducers. (Prerequisite: DMSD 2251) Lecture: 3 hours, Lab: 2 hours

**DMSD 2253 - Vascular Practicum I**  
(3 Credits)  
This course provides students with initial clinical scanning experience for upper and lower extremity arterial examinations. Clinical application of standard protocols focuses on recognition of normal plethysmographic tracings, normal ultrasound vascular imaging and Doppler patterns. Students begin to develop the critical thinking skills required to correlate clinical history with exam requirements. Clinical education and clinical competency occur under the supervision of a registered vascular sonographer. (Prerequisite: DMSD 2252) Clinical: 32 hours per week

**DMSD 2254 - Vascular Practicum II**  
(3 Credits)  
This course provides students with initial clinical scanning experience for cerebrovascular and venous examinations. Clinical application of standard protocols focuses on normal vascular ultrasound imaging for cerebrovascular and venous examinations. Recognition of normal and abnormal images and Doppler patterns are included. Students use critical thinking skills to integrate clinical history with abnormal findings. Clinical education and clinical competency occur under the supervision of a registered vascular sonographer. (Prerequisite: DMSD 2251) Clinical: 32 hours per week

**DMSD 2255 - Vascular Practicum III**  
(3 Credits)  
This course provides students with advanced clinical scanning experience for upper and lower extremity arterial, venous and cerebrovascular examinations. Final competency evaluation will occur along with the opportunity to perform abdominal vasculature and rare specialty examinations. Students use critical thinking skills to integrate clinical history with abnormal findings. Clinical education and clinical competency occur under the supervision of a registered vascular sonographer. (Prerequisite: DMSD 2230) Clinical: 32 hours per week

**DMSD 2260 - Echocardiography I**  
(4 Credits)  
This course provides students with the basic knowledge of the echocardiographic examination using M-Mode, two-dimensional, Doppler and color Doppler modalities. Basic cardiac anatomy and principles related to echocardiography are discussed along with normal anatomy and measurements. Recognition of scanning windows, imaging planes, scanning techniques, specific protocols and echocardiographic findings in normal and abnormal conditions will be discussed. Students will develop the ability to perform echocardiographic examinations in the classroom using real-time equipment using transthoracic, Doppler and color Doppler display modes. (Prerequisite: DMSD 2100) Lecture: 3 hours, Lab: 2 hours

**DMSD 2261 - Echocardiography II**  
(4 Credits)  
This course expands on the material presented in Echocardiography I and continues to provide students with the knowledge necessary to capably perform complete and diagnostic echocardiographic examinations using M-mode, two-dimensional Doppler and color Doppler modalities. More complex anatomy and abnormal pathology will be addressed. Scanning techniques, specific protocols and echocardiographic findings will be discussed in relation to these more complex abnormalities including PLAX, RVIT, RVOT, PSAX views. The development of the ability to perform examinations in

**Prerequisite:** Successful completion of course required before registering. **Corequisite:** Course must be taken prior to or at the same time.
these areas will occur with classroom experience using real-time equipment with trans-thoracic transducers and Doppler and color Doppler display modes. Bio-effects, ALARA principle, pertinent in vitro studies, exposure display indices and maximum safe levels will be incorporated into the didactic and laboratory classes. (Prerequisite: DMSD 2261) Lecture: 3 hours, Lab: 2 hours

**DMSD 2262 - Advanced Echocardiography (4 Credits)**

This course expands on the material presented in Echocardiography I and II, and continues to provide students with the knowledge necessary to capably perform a complete and diagnostic echocardiographic examination using M-mode, two-dimensional Doppler and color Doppler modalities. More complex anatomy and abnormal pathology will be addressed including equation for aortic stenosis, mitral stenosis, pericardial effusion, hypertrophic cardiomyopathy and ischemic heart disease. Bio-effects, ALARA principle, pertinent in vitro studies, exposure display indices and maximum safe exposure levels will be incorporated into the didactic and laboratory classes. Scanning techniques, specific protocols and echocardiographic findings will be discussed in relation to these more complex abnormalities. The development of the ability to perform examinations in these areas will occur with classroom experience using real-time equipment with transthoracic transducers and Doppler and color Doppler display modes. (Prerequisite: DMSD 2261) Lecture: 3 hours, Lab: 2 hours

**ECON (economics)**

**ECON 2030 - Principles of Microeconomics (3 Credits)**

(formerly ECON 2020)

This course studies economic principles with emphasis on the price system, resource allocation, industrial organization, international trade and comparative economic systems. (Prerequisite: MATH at the 0600 level required, MATH 1200 recommended) Lecture: 3 hours

**ECON 2040 - Principles of Macroeconomics (3 Credits)**

(formerly ECON 2010)

This course studies the fundamental principles, problems and policies of the American economic system. Major emphasis is placed on the institutions of the economy, supply-demand analysis, national income theory, monetary and fiscal policy and growth analysis. (Prerequisite: MATH at the 0600 level required, MATH 1200 recommended) Lecture: 3 hours

**EMER (EMERGENCY MANAGEMENT)**

**EMER 1010 - Understanding and Responding to Terrorism (3 Credits)**

This course provides students with an understanding of defining terrorism. Students learn about its origins and the development of using terror to influence public policy decisions. The history and changing nature of terrorist organizations also are presented. Terrorist groups and structure are discussed. Individual and community awareness of, preparing and responding to terrorist acts are presented. This course is intended for anyone interested in learning more about terrorism. Lecture: 3 hours

**EMER 1020 - Bioterrorism and Public Health Emergencies (3 Credits)**

This course focuses on both naturally occurring disease outbreak and bioterrorist events of the past and the implications of these events for the future. Key elements of emergency disaster planning include surveillance, mass immunization and public information campaigns. This course could be beneficial to any student in the Health Sciences programs. Lecture: 3 hours

**EMER 1030 - Disaster Response Operations (3 Credits)**

This course focuses on the principles that promote effective disaster response operations and management. The nature of disasters, the context of U.S. response operations and the roles and responsibilities of various emergency management related organizations are examined. Myths and
realities of human behavior in catastrophic events as well as divergent approaches to disaster response operations (e.g., command and control versus networking/problem-solving) are reviewed. The importance of providing an effective response for the affected population is discussed. This course also examines specific functions relating to floods, hazardous materials and terrorist incidents. Various problems associated with response operations are identified. Incident command systems and their interaction with emergency operations centers are emphasized. The role of technology and mutual aid agreements are discussed. (Prerequisite: EMER 1000 or permission of instructor) Lecture: 3 hours

EMER 1040 - Managing the Psychological Impact of Terrorism and Disasters (3 Credits)
This course provides a broad overview of the causes, interventions and treatments of psychological trauma in the civilian and emergency response population. The causes looked at include natural disasters, terrorist attacks and mass casualty or mass fatality incidents. The interventions and treatments are illustrated for the student, for both the short- and long-term recovery of the victims of this trauma, using real life incidents. (Prerequisite: ENGL 1010 or 2100 or permission of instructor) Lecture: 3 hours

EMER 1050 - Disaster Training and Exercise Management (3 Credits)
This course provides students with an understanding of training and exercise requirements of emergency management. It includes how training and exercising play a critical role in preparing a community or company for a disaster. Students develop an exercise program and test part of that program with an actual exercise. Students then develop an improvement plan from the lessons learned from that exercise. This course is intended for persons who would have an active role in emergency preparedness. Lecture: 3 hours

EMER 2010 - Disaster Resource Management (3 Credits)
This course is designed to provide students with an understanding of resource management in the context of emergency management. Coordination of resources before, during and after a disaster is critical to alleviate pain and suffering of the victims of disaster. This course provides students with the skills needed to identify and manage those resources effectively. Students examine the elements comprising incident logistics and how those elements integrate into the overall incident response and recovery process. (Prerequisite: EMER 1000 or permission of instructor) Lecture: 3 hours

EMER 2020 - Emergency Planning (3 Credits)
This course provides students with an understanding of emergency planning in the world of emergency management. The emergency manager is responsible for developing emergency plans for the community or organization he or she represents. These plans may make the difference in saving lives and alleviating the pain of suffering from a disaster. This course provides students with the skills needed to develop those plans effectively. This course is intended for a student who may become actively involved in emergency planning or work within a plan in the emergency management setting. (Prerequisite: EMER 1000) Lecture: 3 hours

EMER 2030 - Professional Development in Emergency Management/Homeland Security (3 Credits)
This course is designed to allow the student in the Emergency Management/Homeland Security program to take the skills that they have acquired in the program and mesh them with the skills they learn in this course – emergency communication, problem-solving, decision-making and leadership. This course will prepare the student to enter the emergency management field or pursue a higher degree. (Prerequisites: EMER 1000, 1030, 2010, 2020 or permission of instructor) Lecture: 3 hours

EMER 2050 - Practicum in Emergency Management (3 Credits)
The practicum in Emergency Management/Homeland Security provides the student with an opportunity to use the knowledge they have learned in the program and put it into practical use in the field of emergency management or homeland security. By placing the student at an internship site that works in the various types of disaster preparedness and response, the student will be provided with real life experience. (Prerequisites: EMER 1000, 1030, 2010 and 2020 or permission of the instructor) Seminar: 1-2 hours, Fieldwork: 6-8 hours

ENGL (ENGLISH)
Courses by subject area:

ESL COURSES: ENGL 0305, 0312, 1070, 1080, 1090, 1120, 1130, 1300

READING: ENGL 0700, 0850, 0890

WRITING: ENGL 0250, 0500, 1005, 1010, 1310, 1400, 1410, 1430, 2010, 2015, 2100

LITERATURE: ENGL 1020, 1030, 1040, 1050, 1060, 1070, 1080, 1090, 1120, 1130, 1200, 1210, 1220, 1230, 1240, 1250, 1250, 1260, 1270, 1280, 1290, 1360, 1370, 2020, 2030, 2040, 2050, 2200, 2210, 2230, 2250, 2310

ENGL 0250 - Compensatory Writing Skills (3 In-house Credits*)
This writing course is for students who need to learn and/or review paragraph form and basic sentence skills: parts of speech, punctuation, capitalization and sentence formation. By writing paragraphs, students will demonstrate their ability to plan, organize and express ideas effectively and in grammatically correct sentences. (Prerequisite: English placement exam) Lecture: 3 hours

ENGL 0305 - Basic ESL Reading (3 In-house Credits*)
This course is for students who need to strengthen foundational reading skills in English. Interacting with various text styles, students develop fluency, vocabulary and comprehension strategies. (Prerequisite: Appropriate reading score placement) Lecture: 3 hours

ENGL 0312 - English as a Second Language: Reading 1 (3 In-house Credits*)
This course is designed to improve the vocabulary knowledge and reading comprehension of students speaking English as a second language. The content includes such college reading skills as developing word knowledge, identifying main ideas, locating

*In-house credits cannot be applied toward graduation requirements.
important details and applying basic study strategies. (Prerequisite: Completion of ENGL 0305 or placement test score of 71 or above. Recommended: ESL placement testing)

ENGL 0500 - Basics of Composition (3 In-house Credits*)
This course provides a comprehensive review of skills required in college-level writing courses including grammar usage, sentence structure, paragraph development, critical reading and thinking, brief essays and research paper elements. (Prerequisite: ENGL 0250 with grade of “C” or “C+” or appropriate placement test score or permission of instructor) Lecture: 3 hours

ENGL 0700 - Essential Reading Skills (3 In-house Credits*)
This course is for students who need to build a foundation for college reading by mastering the skills that underlie successful reading. Instruction focuses on vocabulary development, word analysis, reading rate and accuracy, as well as literal reading comprehension. (Prerequisite: Appropriate test score or permission of instructor) Lecture: 2 hours, Lab: 1 hour

ENGL 0850 - Basic College Reading (3 In-house Credits*)
This course teaches the reading skills essential for success in college and everyday life. It focuses on the strategies needed for developing vocabulary, as well as strategies for improving comprehension and retention of college textbook material. In addition, a novel is required reading. (Prerequisite: Completion of ENGL 0700 with a 75 “C” or better, appropriate test score or permission of instructor) Lecture: 2 hours, Lab: 1 hour

ENGL 0890 - Critical Reading for College Success (3 In-house Credits*)
In this course, the student develops critical reading and thinking skills that are essential for college and workplace success. Focus is on building an enhanced vocabulary, as well as examining author’s purpose and point of view, drawing inferences and applying advanced comprehension strategies. In addition, a work of nonfiction is required reading. (Prerequisite: Completion of ENGL 0850 with a 75 “C” or better, appropriate test score or permission of instructor) Lecture: 2 hours, Lab: 1 hour

ENGL 1005 - College Writing (3 Credits)
This course focuses on the writing process: planning, organizing, developing, drafting and revising. Course activities begin with paragraphs and progress to essays and include research documentation assignments. (Prerequisite: Placement test or completion of ENGL 0250 with a “B-” or better, completion of ENGL 0500 with a “C” or better, appropriate test score or permission of instructor) Lecture: 3 hours

ENGL 1010 - Composition I (3 Credits)
Note: Composition I is recommended for all first-year students and required for many, depending on curriculum.
The purpose of this course is to enable students to write fluent, accurate and effective essays, including research and documentation assignments. (Prerequisite: English placement exam or a “C” or better in ENGL 1005) Lecture: 3 hours

ENGL 1020 - 19th Century American Literature (3 Credits)
This survey course examines American literature of the 19th century, including consideration of its cultural and historical contexts. (Meets literature elective and English concentration requirements.) Lecture: 3 hours

ENGL 1030 - British Literature I (3 Credits)
This survey course in British literature from the early Anglo-Saxon period to the 18th century examines selected works in various genres in light of their historical and cultural contexts. (Meets literature elective and English concentration requirements.) Lecture: 3 hours

ENGL 1040 - World Literature to 16th Century (3 Credits)
This course examines literature in translation of the Ancient World, Middle Ages and Renaissance as a basis for understanding literature as an art and a reflection of its times, the humanities and the modern world. (Meets literature elective and English concentration requirements.) Lecture: 3 hours

ENGL 1050 - American Literature (3 Credits)
This course examines literature in translation of the Ancient World, Middle Ages and Renaissance as a basis for understanding literature as an art and a reflection of its times, the humanities and the modern world. (Meets literature elective and English concentration requirements.) Lecture: 3 hours

ENGL 1060 - American Literature to 19th Century (3 Credits)
This course examines literature in translation of the Ancient World, Middle Ages and Renaissance as a basis for understanding literature as an art and a reflection of its times, the humanities and the modern world. (Meets literature elective and English concentration requirements.) Lecture: 3 hours

ENGL 1070 - English as a Second Language I (6 Credits)
This course is the first in the sequence of academic English as a second language offerings at the college. It is designed for students who are pursuing academic studies at the college level. Prior knowledge of the English language is necessary. Grammar and sentence building in English are studied with sequential emphasis placed on listening, speaking, reading and writing. Outcomes of this course include ability to form several complete sentences regarding one topic. Students who have successfully completed this course will then take ENGL 1080. (Prerequisite: Recommendation following ESL placement testing) Lecture: 6 hours

ENGL 1080 - English as a Second Language II (6 Credits)
This course emphasizes correct pronunciation of the English language, particularly through practice of the International Phonetic Alphabet. In addition, course content includes syllable stress and intonation. Perhaps equally important, ESL students will refine their listening skills in rapid American English speech. (Prerequisite: Placement into ENGL 1080 or completion of ENGL 1070) Lecture: 3 hours

ENGL 1090 - Paragraph Writing in English as a Second Language (6 Credits)
This course is designed to increase the writing performance of students of English as a second language. It will emphasize the writing process and advanced grammar as students progress from generating acceptable sentences to combining sentences to form paragraphs. In addition, students will be able to form a multiple-paragraph essay as an outcome of the course. Students who have successfully completed this course will then take ENGL 1300. (Prerequisite: Successful completion of ENGL 1080 or recommendation following ESL placement testing) Lecture: 6 hours

ENGL 1120 - Speech and Articulation for Speakers of English as a Second Language (3 Credits)
This course emphasizes correct pronunciation of the English language, particularly through practice of the International Phonetic Alphabet. In addition, course content includes syllable stress and intonation. Perhaps equally important, ESL students will refine their listening skills in rapid American English speech. (Prerequisite: Placement into ENGL 1080 or completion of ENGL 1070) Lecture: 3 hours
**ENGL 1130 - English as a Second Language: College Speaking and Listening (3 Credits)**

This English for academic purposes course is designed to begin to prepare students who are not native speakers of English for academic success in U.S. college programs. It focuses specifically on speaking and listening skills for college study. Topics reflect those in typical introductory college courses. (Prerequisite: ENGL 1080 or placement in ENGL 1090) Lecture: 3 hours

**ENGL 1200 - Introduction to Literature (3 Credits)**

This course examines a variety of literary genres (fiction, nonfiction, poetry and drama) as expressions of the human desire to communicate philosophy, experience and attitudes. Examples found in diverse literary cultures from ancient times to the present are the basis for reading, analyzing and evaluating these forms of verbal expression. (Meets literature elective and English concentration requirements.) Lecture: 3 hours

**ENGL 1210 - Introduction to Film (3 Credits)**

This course provides an introduction to the tools of film analysis by examining how narrative, mise-en-scène, cinematography, editing and sound create meaning in film. Film also is examined for its social, cultural and ideological significance. Introduction to Film provides students with the background for further film studies. (Meets literature and English concentration requirements.) (Prerequisite: None is required, though a general introductory literature course, such as ENGL 1200 - Introduction to Literature, ENGL 1040 - World Literature to the 16th Century or ENGL 2040 - World Literature from the 16th Century is recommended.) Lecture: 3 hours

**ENGL 1220 - Introduction to Poetry (3 Credits)**

The purpose of this course is to deepen students’ engagement with the metaphorical nature of language through understanding and enjoyment of poetry. The selection of poems focuses on what poetry means and does, what needs and desires poetry fulfills in its writers and readers, and the cultural contexts and conditioning that define poetry and place value on its existence. (Meets literature and English concentration requirements.) Lecture: 3 hours

**ENGL 1230 - Modern Literature (3 Credits)**

This one-semester survey course considers significant literature of the world from the turn of the 20th century to the present. It examines many literary movements, including Modernism and Postmodernism, with emphasis on breadth of understanding and ability to interpret and evaluate texts. (Meets literature elective and English concentration requirements.) Lecture: 3 hours

**ENGL 1240 - Readings in the Novel (3 Credits)**

Several novels, significant in the time of their appearance as well as in retrospect, are read to develop a student’s understanding of their place in the genre, not only as the diverse expressions of their authors and mirrors of their particular historical contexts, but as social, cultural and political forces. (Meets literature and English concentration requirements.) Lecture: 3 hours

**ENGL 1250 - Readings in the Short Story (3 Credits)**

This course considers the development and themes of the short story. Significant examples from diverse cultures and historical eras are analyzed and discussed. (Meets literature elective and English concentration requirements.) Lecture: 3 hours

**ENGL 1260 - Readings in Shakespeare (3 Credits)**

A number of major plays and sonnets by Shakespeare are analyzed to develop students’ understanding of the works’ dramatic, cultural and historical context, as well as various critical viewpoints. The plays are selected from the comedies, tragedies and histories. (Meets literature and English concentration requirements.) Lecture: 3 hours

**ENGL 1270 - Contemporary Drama (3 Credits)**

This course includes plays from Ibsen to the present. Emphasis is on changing approaches to theater as well as the social, cultural and philosophical implications in the representative plays. (Meets literature and English concentration requirements.) Lecture: 3 hours

**ENGL 1280 - Dramatic Literature (3 Credits)**

This is a course in which historic and dramatic trends are viewed, including literary forms, the most important playwrights and socio-political effects on the dramatic literature of differing periods. (Meets literature and English concentration requirements.) Lecture: 3 hours

**ENGL 1290 - Black American Literature (3 Credits)**

This course traces the development and impact of black American writers from the era of slavery to the present by examining the unique experiences and challenges presented in their works. Representative poetry, fiction, nonfiction and drama of major writers are studied for their literary, sociological and historical significance. (Meets literature and English concentration requirements.) Lecture: 3 hours

**ENGL 1300 - Composition I for Speakers of English as a Second Language (6 Credits)**

This course has the same purpose as ENGL 1010. Students perfect their academic writing skills through a sequence of essay assignments, including a research project, with emphasis on rhetorical and grammatical issues particular to ESL. Students completing this course may take ENGL 1005 or 1010 as a follow-up course for elective credit as recommended by the instructor. (Prerequisite: ENGL 1090 or recommendation following ESL placement testing) Lecture: 1 hour, Lab: 2 hours

**ENGL 1360 - Science Fiction (3 Credits)**

This course involves reading and analyzing various science-fiction novels, short stories, and, occasionally, films produced since the late 19th century. Emphasis is placed on understanding the influence science and technology have had on modern life and how that influence has been shown in literature. (Meets literature and English concentration requirements.) Lecture: 3 hours

**ENGL 1370 - Literature of Imagination and Fantasy (3 Credits)**

This course examines fantasy as an enduring and ongoing part of humanity’s literary heritage as seen through such examples as myth, fairy tale, gothic horror and magical realism. As a literary form, fantasy not only broadens the reader’s understanding of what literature is and what it does, but it explores the fundamentals of literature to suggest unusual and innovative ways of looking at the world. (Meets literature and English concentration requirements.) Lecture: 3 hours

**Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.**
ENGL 1400 - Business Writing for Office Professionals (3 Credits)
Note: This course is for Administrative Office Technology program students ONLY. This one-semester course includes a concentrated review of grammar and punctuation; correspondence (letters and memos); philosophy, psychology and standards in business communication; and informal and formal report writing. Basic knowledge of Microsoft Word is strongly recommended. Meets general education requirements. Prerequisite: None, although ENGL 1005 or 1010 is strongly recommended.) Lecture: 3 hours

ENGL 1410 - Business Writing (3 Credits)
This one-semester course includes philosophy, psychology, and standards in business communication; written and digital correspondence (letters, memos, and emails); and informal and formal report writing. Basic knowledge of Microsoft Word is required. Meets general education requirements. Prerequisite: ENGL 1005 or 1010 is strongly recommended. Meets general education requirements. (3 Credits) Lecture: 3 hours

ENGL 1430 - Creative Writing (3 Credits)
This course is an introduction to the craft of writing in its various forms including the personal essay, fiction, poetry and drama. Students produce work in these genres and develop critical objectivity through analysis of their creations as well as those of their classmates and published writers. (Meets English concentration requirements. Prerequisite: ENGL 1010 with grade of “C” or better. However, ENGL 2010 or 2015, also is recommended.) Lecture: 3 hours

ENGL 2010 - Composition II (3 Credits)
This course is an extension of ENGL 1010 - Composition I. While in Composition I the emphasis is upon short expository pieces, students of Composition II concentrate on development of the central idea in writing essays and, wherever appropriate, in descriptive and narrative prose. Coursework includes writing at least one paper based on reading and research. Literature of an appropriate type is read and analyzed in terms of rhetorical statement, structure and device. (Meets English concentration requirements. Prerequisite: ENGL 1010 with grade of “C” or better or a comparable basic level college course in rhetoric) Lecture: 3 hours

ENGL 2015 - Advanced Writing for Liberal Arts (3 Credits)
Continuing Composition I (ENGL 1010) for students of liberal arts, this course is concerned with writing about ideas generated by books and articles. The aim of this course is to produce fully developed essays based on reading and research such as would be assigned in liberal arts courses in any college. A research paper, or a series of short source papers, some on the same subject, is the major requirement of the course. (Prerequisite: ENGL 1010 with grade of “C” or better or a comparable basic level college course in rhetoric) Lecture: 3 hours

ENGL 2016 - Tutoring Writing (3 Credits)
This course analyzes theories, methods and strategies associated with peer tutoring in a writing center. Participants study current writing process theory, global and local revision strategies, various genres of writing, the MLA and APA documentation systems, different styles of learning and a variety of tutoring methods. Participants then receive additional training as peer tutors by observing, analyzing and reflecting on tutoring sessions and on the tutoring process. Last, they will enhance their writing, listening, speaking, assessment and collaboration skills by assisting other students in the Writing Center, as well as by writing about and reflecting on their experiences. (Prerequisite: ENGL 1010 with grade of “B” or better or a comparable basic level college course in rhetoric) Lecture: 3 hours

ENGL 2020 - 20th Century American Literature (3 Credits)
This survey course examines American literature of the 20th century, including consideration of its cultural and historical contexts. (Meets literature elective and English concentration requirements.) Lecture: 3 hours

ENGL 2030 - British Literature II (3 Credits)
This survey course in British literature from William Blake to the present examines selected works in various genres as representative of their historical and cultural contexts. (Meets literature elective and English concentration requirements.) Lecture: 3 hours

ENGL 2040 - World Literature from 16th Century (3 Credits)
This course examines literature of the world in translation from the Enlightenment to the present in order to understand literature as a reflection and expression of its times, the humanities and the modern world. (Meets literature elective and English concentration requirements.) Lecture: 3 hours

ENGL 2050 - Introduction to Literary Theory and Criticism (3 Credits)
Although open to all, this course is particularly designed for English concentration students to deepen skills in critical thinking and writing about all genres of literature. Focus is placed on close textual reading, using appropriate literary terminology and applying various methodologies to analyze literature. In addition to class discussion and collaborative activities, students will engage in literary research and MLA style documentation. (Meets literature and English concentration requirements. Prerequisites: ENGL 1010 and any 1000-level literature course) Lecture: 3 hours

ENGL 2100 - Technical Writing (3 Credits)
This course focuses on producing concise, clear, credible and objective reports, letters, memoranda and related workplace writing, including appropriately documented research. The course promotes writing that demonstrates an awareness of the reader. Basic knowledge of Microsoft Word is strongly recommended. (Prerequisite: ENGL 1010 or completion of ENGL 1005 with grade of “C” or better) Lecture: 3 hours

ENGL 2200 - Children's Literature (3 Credits)
This one-semester course introduces the student to the range of children's literature from early folklore to current selections. Students read widely to develop discrimination in the selection of books for children of pre-kindergarten through eighth grade school levels, as well as develop the ability to interpret criteria and evaluate the different genres of literature suited for children. (Meets literature and English concentration requirements.) Lecture: 3 hours

ENGL 2210 - Special Topics in Film (3 Credits)
This course is meant to enable students who have achieved the basic understandings of film study and interpretation in Film as Literature I to continue their examination of the medium. They will pay special attention
to various film genres, to the work of particular directors and to aspects of film theory. (Prerequisite: ENGL 1210 or permission of instructor) Lecture: 3 hours

**ENGL 2230 - Introduction to Digital Electronics (3 Credits)**

This course introduces students to analytical methods employed in engineering problem-solving using computer software. (Prerequisite: MATH 1910 with a grade of "C" or better) Lecture: 2 hours, Lab: 1 hour

**ENGR 2150 - Introduction to Electrical Engineering (Engineering Physics II) (3 Credits)**

This basic course in electrical engineering includes a study of static, electric and magnetic fields, Coulomb's laws, capacitance and inductance, GAUSS' Law, Ampere's Law, electrical current and voltage. (Prerequisites: MATH 1910 and PHYS 1100 with a grade of "C" or better) Lecture: 3 hours

**ENGR 2150 - Introduction to Electrical Engineering Lab (1 Credit)**

Laboratory exercises reinforce the theory learned in the Introduction to Electrical Engineering course. Use of various electronic instruments to make measurements is an important part of the lab. (Corequisite: ENGR 2150) Lab: 3 hours

**ENGR 2150 - Introduction to Electrical Engineering Analysis (2 Credits)**

This course introduces students to analytical methods employed in engineering problem-solving using computer software. (Prerequisite: MATH 1910 with a grade of "C" or better) Lecture: 2 hours, Lab: 1 hour

**ENGR 2160 - Introduction to Engineering Analysis (2 Credits)**

This course introduces students to analytical methods employed in engineering problem-solving using computer software. (Prerequisite: MATH 1910 with a grade of "C" or better) Lecture: 2 hours, Lab: 2 hours

**ENGR 2200 - Digital Electronics (4 Credits)**

This course covers the application of Newton’s Law of Motion, to include kinematic and kinematical studies of the motion of systems of particles and rigid bodies, acted upon by unbalanced forces. (Prerequisites: ENGR 2050 and MATH 1920) Lecture: 2 hours, Lab: 2 hours

**ENGR 2320 - Digital Electronics**

This course covers the application of Newton’s Law of Motion, to include kinematic and kinematical studies of the motion of systems of particles and rigid bodies, acted upon by unbalanced forces. (Prerequisites: ENGR 2050 and MATH 1920) Lecture: 2 hours, Lab: 2 hours

**ENGR 2400 - Introduction to Electrical Engineering**

Laboratory exercises reinforce the theory learned in the Introduction to Electrical Engineering course. Use of various electronic instruments to make measurements is an important part of the lab. (Corequisite: ENGR 2150) Lab: 3 hours

**ENGR 2400 - Introduction to Electrical Engineering Analysis (2 Credits)**

This course introduces students to analytical methods employed in engineering problem-solving using computer software. (Prerequisite: MATH 1910 with a grade of "C" or better) Lecture: 2 hours, Lab: 1 hour

**ENGR 2550 - Introduction to Electrical Engineering Analysis (2 Credits)**

This course introduces students to analytical methods employed in engineering problem-solving using computer software. (Prerequisite: MATH 1910 with a grade of "C" or better) Lecture: 2 hours, Lab: 1 hour

**ENGR 2620 - Linear Circuits Lab (2 Credits)**

Topics covered in this lab include: DC measurements, natural and step response of first- and second-order circuits, sinusoidal steady-state response and AC power. (Recommended: Calculus background; Prerequisite: ENGR 2150) Lecture: 3 hours

**Prerequisite:** Successful completion of course required before registering. **Corequisite:** Course must be taken prior to or at the same time.
ENGT (ENGINEERING TECHNOLOGY)

ENGT 1040 - Introduction to Solar Energy (3 Credits)
This is an introductory course in solar energy and some of its applications. The sun as an energy source is discussed along with elements of solar collection and passive, active and hybrid systems. Other topics include blackbody radiation, heat transfer and heat storage, as well as maximizing solar yield to include heating. (Prerequisite or corequisite: MATH 1700) Lecture: 2 hours, Lab: 1 hour

ENGT 1090 - Solid Modeling (SolidWorks) (2 Credits)
This course teaches students the fundamentals of SolidWorks and the technique of three-dimensional design. Lecture: 2 hours, Lab: 1 hour

ENGT 1400 - Introduction to Surveying (3 Credits)
This course is for builders, contractors or anyone interested in learning the basics of surveying. Fundamental concepts of surveying are covered including information on how to use instruments, do fieldwork and record data. (Prerequisite: MATH 1700) Lecture: 2 hours, Lab: 2 hours

ENGT 1410 - Drafting for Surveyors (3 Credits)
This course provides students an opportunity to gain an understanding of the techniques and skills required to produce quality surveyor’s drawings. Topics include topographical plans, property, surveys, subdivision plans, planimetric drawings and site plans. (Prerequisite: MATH 1750) Lecture: 2 hours, Lab: 2 hours

ENGT 2090 - Advanced Solid Modeling (3 Credits)
Advanced Solid Modeling enables students to work with advanced designs and assemblies. This includes mold design, sheet metal design, weldments and industry specific design tools. Students learn to use COSMOSWorks to study deflections and load stress on their designs. Other applications would include rendering in PhotoWorks and animation techniques. Lecture: 2 hours, Lab: 2 hours

ENGT 2500 - Heating, Ventilation and Air Conditioning (HVAC) (3 Credits)
This course is for people who want to learn to design heating, ventilation and air conditioning systems for large commercial and institutional buildings. Topics covered include heat transmission of buildings, hot water and steam boilers, chimney design, ventilation air analysis, duct design, automatic controls and cost estimating. Lecture: 2 hours

ETCN (ENGINEERING TECHNOLOGY/CNC)

ETCN 1100 - Blueprint Reading and the Machinery’s Handbook (3 Credits)
Detailed manufacturing part prints are the graphical representation of what the finished product should look like and the specifications required to make it. The Machinery’s Handbook is the encyclopedia used in the manufacturing environment; a storehouse of practical information used to assist not only CNC machinists, but also quality insurance personnel, tool or mold makers, machine designers and mechanical engineers to solve a list of manufacturing problems. This seven-and-a-half week course uses these two resources to teach students how to interpret the language of blueprints and find the required information regarding machining processes such as speeds, feeds, cutting tool specifications and limits. Focus is on problem-solving skills and strategies. Lecture: 2 hours, Lab: 2 hours

ETCN 1200 - Precision Measurement and Geometric Dimensioning and Tolerance (3 Credits)
This seven-and-a-half week course is designed to develop the student’s ability to interpret Geometric Dimensioning and Tolerancing (GD&T) language and accurately and precisely measure manufactured parts and assemblies using micrometers, digital calipers and dial indicators. Language and systems of measurement and GD&T are studied and discussed. Basic handheld comparison tools, precision gages, scaled and precision measuring tools are used to accurately measure parts for both size and geometric form. Students also learn about sine bar use and setup, gage blocks care, surface plate preparation and part fixturing. The feature control frame of the geometric symbols in the application of the tolerances also are studied. Lecture: 2 hours, Lab: 2 hours

ETCN 1300 - CNC Machining I (3 Credits)
This course introduces students to CNC programming using flow charts and process operations planning. Fundamental word address (G and M code) industrial standards, practices and terms used in industry are covered. Machine tool axis motion, methods of work piece setup, cutting tool selection, cutting tool compensation and canned cycles are reviewed. Students produce manually written part programs for three axis-milling machines and router; and two axis lathes. Review of blueprints, Geometric Dimensioning and Tolerancing (GD&T) terminology, and right angle trigonometry are covered, as well as precision measurement for all produced parts. (Prerequisite: ENGR 1030; ETME 1020; ETCN 1100) Lecture: 1 hour, Lab: 4 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
ETCN 2100 - Computer-Aided Manufacturing (MasterCam) (3 Credits)
In this seven-and-a-half week course, students study the essentials of a computer-aided manufacturing system (CAM). This course uses MasterCam, which is an industrial software application, used to design and create tool paths for CNC machining applications such as milling and turning. Students use CAM software in conjunction with computer-aided drawing files (CAD) to create machined features from a piece of stock material. Topics include using MasterCam to select the correct CNC machine tool, draw solid models, organize and optimize machining operations and time. Lecture: 1 hour, Lab: 4 hours

ETCN 2200 - CNC Machining II (3 Credits)
This seven-and-a-half week course is a continuation of the CNC Machining I course. It expands on the use of the word address system using G and M code. Students use CNC simulation software to write part programs with more machine features and complex shapes. More advanced work holding techniques and programming for multiple fixture offset positions are addressed. Programming techniques such as circular interpolation, canned cycles, programming loops and macros are studied. Students write part programs for a CNC router, lathe and vertical milling machines. (Prerequisite: ETCN 1300; ETCN 2100) Lecture: 1 hour, Lab: 4 hours

ETCN 2300 - 3D-Modeling and Prototyping (Direct Digital Manufacturing) (3 Credits)
This course studies the types of Additive Fabrication (AS) or Additive Freeform Fabrication. Topics include history of Additive Manufacturing (AM), types of new generation machines used for AM and types of materials, binders and substrates used with this technology. Other topics include the size constraints, design constraints, and advantages and applications of this technology. Students use SolidWorks and MasterCam as the manufacturing software to design and produce parts in the manufacturing lab using the Dimension SST 1200es CNC machine tool. (Prerequisites: ENGR 1030; ENGT 2090; ETCN 1300) Lecture: 2 hours, Lab: 2 hours

ETCN 2500 - Computer Numerical Control (CNC) Practicum/Capstone (4 Credits)
This course gives students an opportunity to apply knowledge and skills learned in the CNC certificate program in an industrial setting. Students spend 140 hours in a manufacturing environment setting up and operating CNC machine tools under the guidance of full-time employees. This class also has a two-hour meeting requirement which is used to develop a portfolio outlining the types of working experiences acquired in the practicum. Students keep a working journal during the semester which will be used to assist in building their portfolio to chronicle their experience in order to address any problems or concerns that may arise. The Engineering Department provides assistance in matching students in practicum settings. (Prerequisite: Completion of ETCI - Introduction to CNC Manufacturing Certificate; ETEE 1800 or ETCN 2100 and ETCN 2200; ETCN 2300) Lecture: 2 hours, Practicum: 140 hours

ETEE (ENGINEERING TECHNOLOGY – ELECTRICAL)

ETEE 1050 - Introduction to Electromechanical Systems (3 Credits)
The course introduces students to the nature of electricity and magnetism, and applications of practical electrical and electromechanical devices and systems. Students study electrical laws in basic DC and AC circuits, and the behavior of passive and active circuits and components. Students also are introduced to basic electromechanical components such as relays, switches, motors and generators. The course emphasizes a systems approach to utilizing and testing electromagnetic technology. Both hands-on labs and software simulation are used to develop an understanding of combining components to form complex systems and the techniques to evaluate the performance of electromechanical systems. (Prerequisite: MATH 0600 or higher with a grade of “C” or better) Lecture: 2 hours, Lab: 2 hours

ETEE 1100 - Engineering Applications of Computers (3 Credits)
Students are introduced to microprocessor and microcontroller architectures. Machine, assembly and high-level languages will be examined. A combination of assembly and a high-level language are applied to solving problems using a popular microcontroller development environment and target hardware system. Data and graphic information types and formats are described and used in programs. Acquiring data from internal and external sources, communicating across networks, and directing output to displays and other external interfaces are also explored. Student lab activities include developing and debugging programs used to control electromechanical devices, measuring operating parameters, collecting data and displaying information. (Prerequisites: MATH 1750; ETEE 1800) Lecture: 2 hours, Lab: 2 hours

ETEE 1120 - Electronic Devices and Circuits (3 Credits)
This course is a study of the basic laws of electronic circuit theory applied to electronic devices with emphasis on solid state devices, including the theory and operation of semi-conductor diodes and transistors. Operational amplifiers, oscillators, active filters and switching circuits are emphasized and analyzed in laboratory experiments. Analysis techniques include the use of Bode plots and computerized experiments using circuit simulation software in addition to bench work wiring up circuits that are analyzed and then tested. (Prerequisite: ETEE 1500) Lecture: 2 hours, Lab: 2 hours

ETEE 1500 - Electrical Systems I (3 Credits)
This course covers AC and DC circuits. Analysis techniques are taught and implemented in laboratory experiments using both physical components and instruments, and computer analysis. Impedance and networks and passive filters are studied. Power transformers and single phase/three phase power distribution are introduced. (Prerequisites: ETEE 1050) Lecture: 2 hours, Lab: 2 hours

ETEE 1800 - Introduction to Digital Systems (3 Credits)
This course provides the student with a basic understanding of digital systems through the use of programmable logic controllers. The student will explore fundamental properties of digital logic controllers, digital control components and systems. Students also will analyze and develop basic control systems solutions, using logic controller simulation software to configure and test systems. (Prerequisite: MATH 0500 with a grade of “C” or better) Lecture: 2 hours, Lab: 2 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
ETEE 2390 - Electrical Power Systems (3 Credits)
This course analyzes three phase delta/wye and single phase power circuits. Measurement with instrument transformers and two/three wattmeters are emphasized and used in laboratory experiments. AC and DC motors and generators, stepper motors and universal motors are studied, with related laboratory experiments. Emphasis is on operation, measurement of characteristics and control. Transformers, circuit breakers, relays and programmable control devices are covered, as are the basics of power transmissions lines. Technology associated with smart-grid systems is introduced. (Prerequisite: ETEE 1500) Lecture: 2 hours, Lab: 2 hours

ETE 2500 - Electrical Systems II (Capstone) (3 Credits)
This course studies switching devices including SCRs, TRIACS, DIACS, UJT and their application in power and motor control circuits. The application of transducers as sensors in industrial control systems also is covered. Use of programmable controllers in industrial control of processes and power circuits is emphasized. Laboratory experiments include SCR and switching devices in the control of power circuits; application of sensors for measurement of heat, position, stress, light and pressure; operation and programming of programmable controllers; measurements in single phase and three phase-Y power circuits, and the operation of motors. Students apply material learned in this course and in previous courses to a capstone project. (Prerequisite: ETEE 1500) Lecture: 2 hours, Lab: 2 hours

ETME (ENGINEERING TECHNOLOGY—MECHANICAL)

ETME 1010 - Robotics and Control (3 Credits)
This course provides an introduction to the field of robotics and automation. Topics include: the different robot classification systems and robot arm configurations; robot end effectors, robot operating systems and kinematics. This course also introduces basic concepts of automation and artificial intelligence. Various concepts of control are introduced such as programmable logic controllers. Equipment justification also is introduced. Students program and operate two types of robots using the robots' programming languages. Lecture: 2 hours, Lab: 2 hours

ETME 1020 - Introduction to Manufacturing Processes (3 Credits)
This course provides students with insight and practical experiences in the set-up and operation of basic machines and measuring tools used in manufacturing processes. Significant emphasis is placed on dealing safely with high-power machinery, materials, laboratory clothing and machine maintenance. Turning, milling, grinding, drilling and precision measurements are covered, developing the students' ability to fabricate mechanical components using traditional machining. Students learn the limitations of traditional machining and prepare for understanding advanced manufacturing technology. (Prerequisite: ENGT 1090) Lecture: 1 hour, Lab: 4 hours

ETME 1510 - Engineering Mechanics (3 Credits)
This course is for students in the Engineering Technology Systems program. Students are introduced to basic concepts in engineering mechanics; statics, dynamics, strength of materials, with a focus on technical applications of the fundamentals to mechanical design. Newton's Laws are studied with emphasis on equilibrium and motion. Realistic problems are analyzed through the use of vector mechanics. Kinematic and statics problems are investigated to a level sufficient for students to follow and develop basic analysis of mechanisms and machines. Stress levels and strain are covered allowing for determination of acceptable analysis and design of mechanical systems. (Prerequisites: MATH 1750 and 1760; ENGR 1020 and 1030; ETEE 1050) Lecture: 2 hours, Lab: 2 hours

ETME 2310 - Automation Systems (3 Credits)
This course addresses fundamental issues of automation. Topics covered are the types of automation, designing for automation, automatic assembly transfer systems, automatic feeding and orienting, and automated material handling systems. Quality and cost analysis as they relate to automation, the design and analysis of lean systems, as well as advanced topics in robots, such as vision systems technology, are also discussed. (Prerequisites: ETME 1010) Lecture: 2 hours, Lab: 2 hours

ETME 2500 - Mechanical Systems II (Capstone) (3 Credits)
The purpose of this course is to teach students how mechanical components (studied in prerequisite courses) are combined and integrated into complex working systems. The course stresses building assemblies and harnessing electrical controls to the assemblies. This course is designed to cement together the knowledge learned in previous courses within the program. Students learn to create operational sequences, build systems from standard components, write programs to control them, apply necessary sensors and actuators, and operate and debug their assemblies. (Prerequisites: MATH 1750 and 1760; ENGR 1020 and 1030; ETEE 1050; ETME 1010 and 1510) Lecture: 2 hours, Lab: 2 hours

ETME 2930 - Industrial Materials (3 Credits)
This course is an introduction to the different material systems in material science. This course includes an introduction to the structure and properties (such as mechanical, chemical, physical) of materials, specifically metals. Equilibrium phase diagrams and isothermal diagrams also are introduced.

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
This course also introduces various techniques of materials testing such as tensile, creep, bend, hardness, impact and fatigue testing. Also covered are various techniques of heat treatment such as annealing. This course examines the factors which influence the production and modification of materials into useful forms. Students learn about the various manufacturing processes and machinery used to convert raw materials into finished products. The course gives the student hands-on experience with materials and processes used in industry. A lab also is utilized to demonstrate various techniques. (Prerequisites: MATH 0500 with a grade of "C" or better) Lecture: 2 hours, Lab: 2 hours

ETUT 1060 - Energy Industry Safety (3 Credits)
This course provides an introduction to the principles of safety, guidelines for the design and maintenance of energy equipment. Students learn the skills necessary for safe power generation, transmission and distribution. The course covers industry safety practices and human reactions in normal and abnormal conditions. Safe working conditions are compared to industry standards and OSHA 30 regulations. From a safety prospective, the course provides an overview of the electric generation process, power plant systems and functions, typical power industry philosophy, departmental responsibilities and practices, industrial health issues, and environmental safety. (Prerequisites: MATH 0500 with a grade of "C" or better) Lecture: 2 hours, Lab: 2 hours

ETUT 1160 - Introduction to Energy Utility Industry (3 Credits)
This course provides students with an overview of the energy utility industry and its occupational opportunities. This includes the history of providing reliable energy service, regulatory influences and electric/gas energy flow. The course also covers basic terminology, typical conditions for employment and career opportunities. Current technology for energy generation, transmission and distribution are discussed and demonstrated. This course integrates an overall understanding of the energy utility industry, its functions, business issues, procedures and practices. (Prerequisites: MATH 0500 with a grade of "C" or better) Lecture: 2 hours, Lab: 2 hours

FIRE (FIRE SCIENCE)

FIRE 1010 - Principles of Fire and Emergency Services, Safety and Survival (3 Credits)
This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavioral change throughout the emergency services. Lecture: 3 hours

FIRE 1020 - Fundamentals of Fire Prevention (3 Credits)
This course provides fire service personnel with a basic knowledge of the field of fire prevention. (Prerequisite: FIRE 1030) Lecture: 3 hours

FIRE 1030 - Introduction to Fire Science and Officership (3 Credits)
This course provides an introduction to fire science and covers, in detail, the fire officer and his/her relationship with the fire organization. The fire officer’s responsibilities and duties, related to firefighting and non-firefighting activities, are also covered in detail. Lecture: 3 hours

FIRE 1040 - Fire Fighting Tactics and Strategy (3 Credits)
The essential elements in analyzing the nature of fires and methods of control are discussed in detail in this course. A segment of this course includes field projects with practical experience, building inspection and problems relative to major conflagrations. (Prerequisite: FIRE 1030) Lecture: 3 hours

FIRE 1050 - Building Construction and Fire Codes (3 Credits)
The elements of fundamental building construction, design and fire protection features are covered in this course. Attention also is given to special considerations related to national, state and local laws and ordinances directly related to the field of fire prevention. (Prerequisite: FIRE 1020) Lecture: 3 hours

FIRE 1060 - Fire Behavior and Combustion (3 Credits)
This course explores the theories and fundamentals of how and why fires start, spread, and how they are controlled. Lecture: 3 hours

FIRE 1070 - Fire Protection Systems and Equipment (3 Credits)
This course provides students with technical knowledge in the use of fire protection systems and equipment. Portable fire extinguishing equipment, sprinkler systems, protection systems for special hazards, and fire alarm and detection systems are covered. (Prerequisite: FIRE 1020) Lecture: 3 hours

FIRE 1090 - Fire Hydraulics and Equipment (3 Credits)
This course provides a review of basic mathematics and hydraulic laws and formulas as applied to the fire service. Time is allotted for practical application of formulas and mental calculation to hydraulic problems as well as for consideration of the water supply problem and underwriters’ requirements for pumps. A segment of this course includes practical field experience. (Prerequisite: MATH 1420) Lecture: 3 hours

FIRE 1100 - Municipal Fire Administration (3 Credits)
This course provides an overview of the technical and administrative tasks associated with maintenance, custody and operation of a fire department. (Prerequisite: FIRE 1030) Lecture: 3 hours
FIRE 1120 - Investigations, Fire and Explosions (formerly Introduction to Fire Protection) (3 Credits)
This course covers the history, development and philosophy of fire investigation and detection. Topics include inspection techniques, gathering evidence for the development of technical reports, fundamentals of arson investigations, processing of criminal evidence and criminal procedures related to the various state and local statutes. Considerable time is spent on examination of explosive and incendiary devices, methods of search and bomb-threat procedures. Lecture: 3 hours

FIRE 1130 - Emergency Medical Technician - Basic (8 Credits)
This course teaches the student and other allied health and safety personnel for emergency care of the sick and injured at the scene and during transport. Classroom experience and practical demonstrations are used to familiarize students with the use of EMS equipment. Students are assigned to 15 hours of clinical experience and the emergency room of affiliated hospitals and/or fire departments. Lecture: 8 hours, Lab: 2 hours

FREN (FRENCH)

FREN 1000 - Basic Spoken French I (3 Credits)
This is an introductory elective course for beginners emphasizing correct pronunciation and basic vocabulary for practical use in everyday conversational situations and travel dialogues. Students with no previous study of the language are prepared to use and understand it within a limited context and basic structure. Lecture: 3 hours

FREN 1010 - Elementary French I (3 Credits)
This course is for students with little or no preparation and covers elements of the language including: conversation, pronunciation, reading, writing and grammar. Aspects of French-speaking cultures also are included. Lecture: 5 hours

FREN 1020 - Elementary French II (3 Credits)
This is a continuation of Elementary French I (FREN 1010). (Prerequisite: FREN 1010, 1030 or its equivalent) Lecture: 5 hours

FREN 1030 - Elementary French I (3 Credits)
French 1030 is a faster paced version of French 1010. This course is suitable for students with previous experience (e.g., Basic Spoken French and/or other prior formal study of the language, prior formal study of another foreign language or informal experience with a foreign language). The course covers elements of the language including: conversation, pronunciation, reading, writing and grammar. Aspects of French-speaking cultures also are included. Note: Course content is the same as French 1010 with two fewer hours per week. (Prerequisite: Prior preparation as noted above or permission of instructor) Lecture: 3 hours

FREN 1040 - Elementary French II (3 Credits)
This course is a continuation of FREN 1030. Note: Course content is the same as FREN 1020 with two fewer classroom hours per week. (Prerequisite: FREN 1010, 1030 or its equivalent) Lecture: 3 hours

FREN 1100 - Basic Spoken French II (3 Credits)
This is a continuation of Basic Spoken French I (FREN 1000). (Prerequisite: FREN 1000 or its equivalent) Lecture: 3 hours

FREN 1510 - Conversational French I (3 Credits)
This course further develops students’ fluency in speaking French. Oral practice includes active use of the language in short dialogues stressing basic communication and correct pronunciation. The reading of easy cultural texts also provides material for conversation and discussion. CDs are available for individual practice. (Prerequisite: Two years of high school French or one year of college French or the equivalent) Lecture: 3 hours

FREN 1520 - Conversational French II (3 Credits)
This course is a continuation of Conversational French I (FREN 1510) and includes conversational practice, cultural readings and discussions. (Prerequisite: FREN 1510 or the equivalent) Lecture: 3 hours

FREN 2010 - Intermediate French I (3 Credits)
This course helps students develop skill in reading and discussing French texts related to culture and literature. Coursework is supplemented by further work in grammar, conversation and composition. (Prerequisite: FREN 1020 or 1040 or its equivalent) Lecture: 3 hours

FREN 2020 - Intermediate French II (3 Credits)
This course is a continuation of Intermediate French I (FREN 2010). (Prerequisite: FREN 2010 or its equivalent) Lecture: 3 hours

FREN 2200 - French Conversation and Composition II
This course is a continuation of French Conversation and Composition I (FREN 2210). (Prerequisite: FREN 2210) Lecture: 3 hours

GEOG (GEOGRAPHY)

GEOG 1010 - Introduction to Geography (3 Credits)
Physical and cultural elements of geography are considered as they relate to each other in the economic, political, cultural and historical aspects of human civilization. Map study is a major focus of this course as we examine all major regions of the world. Lecture: 3 hours

GEOG 1020 - Introduction to Economic Geography (3 Credits)
Economic geography focuses on understanding the location of production, distribution and consumption activities, both locally and internationally. Economic and geographic models are applied to both theoretical and real-world situations. Students research topics related to these areas that are of interest to them. (Recommended: GEOG 1010 or ECON 2020; Prerequisite: ENGL 0850 or appropriate placement test score or permission of instructor) Lecture: 3 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
GEOL (GEOLOGY)

GEOL 1010 - General Geology (Physical Geology) (4 Credits)
This course investigates the planet Earth, explaining the geologic events and features through plate tectonics. Major topics included are the study of minerals and rocks; volcanoes; earthquakes; weathering and erosion; streams and floods; and groundwater. In addition, a field trip within Rhode Island and the vicinity is taken. Course fulfills one lab science requirement for A.A. degree. Lecture: 3 hours, Lab: 2 hours

GEOL 1020 - The Earth Through Time (4 Credits)
This course investigates the geologic history of the Earth. Topics include plate tectonics; climate change, such as the Ice Age; and the evolution of life (e.g., dinosaurs). A key goal is to learn how these topics have interacted through time resulting in the present location of our continents, oceans and present day life. A field trip within Rhode Island is taken. Course fulfills one lab science requirement for A.A. degree. Lecture: 3 hours, Lab: 2 hours

GEOL 1030 - Natural Disasters (3 Credits)
This course studies the Earth by focusing on natural disasters. The causes and consequences of such events are examined within the framework of earth sciences. Major topics covered include earthquakes, volcanoes, tsunami, landslides, climate change, hurricanes, floods and meteorite impacts. Lecture: 3 hours

GERM (GERMAN)

GERM 1000 - Basic Spoken German I (3 Credits)
This is an introductory elective course for beginners emphasizing correct pronunciation and basic vocabulary for practical use in everyday conversational situations and travel dialogues. Students with no previous study of the language are prepared to use and understand it within a limited context and basic structure. Lecture: 3 hours

GERM 1010 - Elementary German I (3 Credits)
This course is for students with little or no preparation and covers elements of the language including conversation, pronunciation, reading, writing and grammar. Aspects of German culture also are included. Lecture: 5 hours

GERM 1020 - Elementary German II (3 Credits)
This is a continuation of Elementary German I (GERM 1010). (Prerequisite: GERM 1010, 1030 or equivalent) Lecture: 5 hours

GERM 1030 - Elementary German I (3 Credits)
German 1030 is a faster paced version of German 1010. This course is suitable for students with previous experience (e.g., Basic Spoken German and/or other prior formal study of the language, prior formal study of another foreign language or informal experience with a foreign language). The course covers elements of the language including: conversation, pronunciation, reading, writing and grammar. Aspects of German-speaking cultures also are included. Note: Course content is the same as GERM 1010 with two fewer hours per week. (Prerequisite: Prior preparation as noted above or permission of instructor) Lecture: 3 hours

GERM 1040 - Elementary German II (3 Credits)
This course is a continuation of GERM 1030. Note: Course content is the same as GERM 1020 with two fewer classroom hours per week. (Prerequisite: GERM 1010, 1030 or equivalent) Lecture: 3 hours

GERM 1100 - Basic Spoken German II (3 Credits)
This is a continuation of Basic Spoken German I (GERM 1000). (Prerequisite: GERM 1000 or its equivalent) Lecture: 3 hours

GERM 1200 - Intermediate German I (3 Credits)
This course is a continuation of Intermediate German I (GERM 1100). (Prerequisite: GERM 1100 or its equivalent) Lecture: 3 hours

GERM 1210 - Intermediate German II (3 Credits)
This course helps students develop skills in reading and discussing German texts related to culture and literature. Coursework is supplemented by further work in grammar, conversation and composition. (Prerequisite: GERM 1200, 1040 or its equivalent) Lecture: 3 hours

GERM 1510 - Conversational German I (3 Credits)
This course further develops students’ fluency in speaking German. Oral practice includes active use of the language in short dialogues stressing basic communication and correct pronunciation. The reading of easy cultural texts also provides material for conversation and discussion. CDs are available for individual practice. (Prerequisite: Two years of high-school German or one year of college German or the equivalent) Lecture: 3 hours

GERM 1520 - Conversational German II (3 Credits)
This course is a continuation of Conversational German I (GERM 1510). (Prerequisite: GERM 1510 or the equivalent) Lecture: 3 hours

GERM 2010 - Intermediate German I (3 Credits)
This course is a continuation of Intermediate German I (GERM 1100). (Prerequisite: GERM 1010 or its equivalent) Lecture: 3 hours

GERM 2020 - Intermediate German II (3 Credits)
This is a continuation of Intermediate German I (GERM 2010) (Prerequisite: GERM 2010 or its equivalent) Lecture: 3 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
**HCIN (HEALTH CARE INDUSTRY NETWORKING CERTIFICATE)**

**HCIN 1000 - Networking for Health Care I (5 weeks) (3 Credits)**
This the first course in a three-course series designed to prepare an individual to work in the networking area of a health care provider. This course introduces students to computer hardware, operating systems and networking hardware for small business. Topics include computer hardware, operating systems, ISP, addressing, and basic security. Lecture: 6 hours, Lab: 6 hours

**HCIN 1001 - Networking for Health Care II (5 weeks) (3 Credits)**
This is the second course in a three-course series designed to prepare an individual to work in the networking area of a health care provider. This course will introduce students to uses of the Internet, planning network upgrades, configuring network devices routing, ISP services and ISP responsibilities. Lecture: 6 hours, Lab: 6 hours

**HCIN 1002 - Networking for Health Care III (5 weeks) (3 Credits)**
This is the third course in a three-course series designed to prepare an individual to work in the networking area of a health care provider. This course introduces students to the health care system in the United States, electronic health records, securing the health care system in the United States, provider. This course introduces students to work in the networking area of a health care series designed to prepare an individual to work in health care service, education and other professions that deal with an aged population. It seeks to examine the unique issues related to aging and the elderly with a particular emphasis on health aging in our society. An overview of the aging process includes specific aspects such as physiological and psychological changes, socialization and chronic illness. The management of chronic health problems, disease prevention and health promotion are discussed. Attention to social, political and cultural issues is discussed including family, community and health services resources. Discussions focus on the interdisciplinary approach to elder care emphasizing healthy aging and optimal wellness. Lecture: 3 hours

**HEAL (NURSING)**

**HEAL 0200 - CPR for Health Care Providers (0 Credits)**
This course provides training in CPR skills and use of the automated external defibrillator (AED). It is a five-hour, noncredit course in which an American Heart Association course completion card is issued after satisfactory demonstration of CPR skills and a satisfactory score on a multiple-choice test. Course content includes risk factors, signs and symptoms of heart disease and stroke and actions to take when an individual is experiencing symptoms. CPR skills taught and practiced include relief of foreign body airway obstruction, rescue breathing and cardiopulmonary resuscitation for infants, children and adults. Note: Health care provider card is a requirement for all Health and Rehabilitation Sciences programs. There is a “no refund” policy for this course.

**HEAL 1000 - Introduction to Health Careers (3 Credits)**
This course provides an overview of the health field including the characteristics of health care workers, ethical and legal considerations in health care and selected content common to all health programs. (Prerequisite: ACCUPLACER reading score of 75 or higher, or completion of ENGL 0890 with grade of “C” or better) Lecture: 3 hours

**HEAL 1015 - Health Issues in Aging (3 Credits)**
This course is designed for individuals who work in health care service, education and other professions that deal with an aged population. It seeks to examine the unique issues related to aging and the elderly with a particular emphasis on health aging in our society. An overview of the aging process includes specific aspects such as physiological and psychological changes, socialization and chronic illness. The management of chronic health problems, disease prevention and health promotion are discussed. Attention to social, political and cultural issues is discussed including family, community and health services resources. Discussions focus on the interdisciplinary approach to elder care emphasizing healthy aging and optimal wellness. Lecture: 3 hours

**HEAL 1055 - Focus on Nursing Pharmacology (3 Credits)**
The student nurse is in a unique position regarding drug therapy. Nursing responsibilities for today’s nurse include the administering of drugs, assessing drug side effects and adverse reactions, intervening to make the drug regimen more tolerable, teaching the patient about the drugs, their side effects, adverse reactions, precautions, contraindications, and indications, while monitoring the patient’s care plan to prevent medication errors. The student nurse is in a unique position regarding drug therapy. Nursing responsibilities for today’s nurse include the administering of drugs, assessing drug side effects and adverse reactions, intervening to make the drug regimen more tolerable, teaching the patient about the drugs, their side effects, adverse reactions, precautions, contraindications, and indications, while monitoring the patient’s care plan to prevent medication errors. The student nurse is in a unique position regarding drug therapy. Nursing responsibilities for today’s nurse include the administering of drugs, assessing drug side effects and adverse reactions, intervening to make the drug regimen more tolerable, teaching the patient about the drugs, their side effects, adverse reactions, precautions, contraindications, and indications, while monitoring the patient’s care plan to prevent medication errors. The course was designed to present pharmacology as an understandable, teachable, and learnable subject through the utilization of the nursing process. The course involves the study of drug classes, pharmacokinetics of these drug classes, pharmacodynamics of these drug classes, pathophysiological changes related to drug classes and application of nursing fundamentals. Lecture: 3 hours

**HEAL 1070 - Physical Assessment for Nurses (4 Credits)**
This course introduces students to examination and techniques of adult physical assessment. Anatomy and physiology are reviewed to reinforce understanding of bodily processes necessary to understand the physical exam. Focus is on techniques of physical assessment including normal and abnormal findings. Consideration also is given to cultural, ethnical and special populations. (Prerequisite: BIOL 1010) Lecture: 3 hours

**HEAL 1080 - Nursing Documentation for Nurses (4 Credits)**
This course is designed to help Nursing students or practicing nurses develop documentation skills within a variety of systems and methods. Legal and ethical implications of documentation are described. Strong emphasis is placed on documentation systems utilizing the nursing process framework. Students are encouraged to analyze and apply what they have learned through the use of case studies. (Prerequisite: Nursing student/practicing nurse) Lecture: 3 hours

**HEAL 0200 - CPR for Health Care Providers (0 Credits)**
This course provides training in CPR skills and use of the automated external defibrillator (AED). It is a five-hour, noncredit course in which an American Heart Association course completion card is issued after satisfactory demonstration of CPR skills and a satisfactory score on a multiple-choice test. Course content includes risk factors, signs and symptoms of heart disease and stroke and actions to take when an individual is experiencing symptoms. CPR skills taught and practiced include relief of foreign body airway obstruction, rescue breathing and cardiopulmonary resuscitation for infants, children and adults. Note: Health care provider card is a requirement for all Health and Rehabilitation Sciences programs. There is a “no refund” policy for this course.

**Prerequisite:** Successful completion of course required before registering. **Corequisite:** Course must be taken prior to or at the same time.
HEAL 1085 - Nursing Informatics (3 Credits)
This course is for individuals who work in health care service, education and other professionals that deal with informatics. It examines the theory and application of nursing, computer and information science to enhance decision making in health care settings. An overview of Nursing Informatics includes computer, networking, databases, research, as well as legal and ethical issues. This course involves theory and application to practice. Lecture: 3 hours, Lab: 1 hour

HIST (HISTORY)

HIST 1010 - Survey of Western Civilization I (3 Credits)
This course is a survey of Western cultural development from its inception in the Near East, through Greece and Rome, the Middle Ages, the Renaissance and the Reformation of the 16th century. Lecture: 3 hours

HIST 1020 - Survey of Western Civilization II (3 Credits)
This survey course examines the dominant influences in Western culture from the 16th to the 20th century. Lecture: 3 hours

HIST 1210 - History of the United States to 1877 (3 Credits)
This is a survey course of American history beginning with European backgrounds and discovery and continuing through the period of reconstruction. Lecture: 3 hours

HIST 1220 - History of the United States from 1877 (3 Credits)
This survey course covers American history from the rise of industrialism to the present. Lecture: 3 hours

HIST 2010 - Women in American History, 1600–1900 (3 Credits)
This course focuses on the history of American women from pre-contact populations to the turn of the 20th century. Historical development of prescribed gender roles set in social, political and economic contexts are discussed. Analysis of women’s paid labor, political activism and changing notions of sexuality are covered. Lecture: 3 hours

HIST 2015 - Women in American History, 1900–present (3 Credits)
This course focuses on the history of American women from the turn of the 20th century to the present. Historical development of prescribed gender roles set in social, political and economic contexts are discussed. Analysis of women’s paid labor, political activism and changing notions of sexuality also are covered. Lecture: 3 hours

HIST 2020 - Civil War and Reconstruction (3 Credits)
This course is a blend of both traditional Civil War history and the latest developments in the field, especially in social history. Political and military matters are analyzed, as well as the lives of slaves, soldiers and women. The topic of slavery will be thoroughly explored, as well as the effort to rehabilitate the lives of former slaves during Reconstruction. Lecture: 3 hours

HIST 2035 - American Society and Culture in Cold War, 1945–91 (3 Credits)
This course examines U.S. foreign policy in the Cold War era and its impact domestically and globally. Lecture: 3 hours

HIST 2215 - American Women in History (3 Credits)
This course examines, in-depth, America’s involvement in World War II to 1975. Military, political, social and cultural reasons for, as well as consequences of, the American commitment are studied. (Recommended: HIST 1220 prior to this course) Lecture: 3 hours

HIST 2241 - America’s Experience in Vietnam (3 Credits)
This course examines, in-depth, America’s involvement in Vietnam from World War II to 1975. Military, political, social and cultural reasons for, as well as consequences of, the American commitment are studied. (Recommended: HIST 1220 prior to this course) Lecture: 3 hours

HIST 2245 - History of Asian-Americans (3 Credits)
This course surveys Asian-American history from the 1840s to the present. The first half of the course focuses on the experiences of Chinese, Japanese and Filipino immigrants in the U.S. from the Gold Rush (late 1840s) to World War II. The main emphases are on immigration, communities, race relations, exclusion and incarceration. The second half of the course moves on to the great changes within the Asian-American community since the 1960s: new immigration from Korea, South Asia and the refugee communities of Vietnamese-Cambodian-, and Laotian/ Hmong-Americans. Lecture: 3 hours

HIST 2330 - War and Society
This course examines, in-depth, America’s involvement in World War II to 1975. Military, political, social and cultural reasons for, as well as consequences of, the American commitment are studied. (Recommended: HIST 1220 prior to this course) Lecture: 3 hours

HISTORY—HMLS

HIST 2250 - History of Black America (formerly HIST 1250) (3 Credits)
This course focuses on the history of black Americans from African origins to the present. Consideration is given to slavery, Reconstruction and ethnic relations from Colonial times to the present. (Recommended: HIST 1210 and 1220 prior to this course) Lecture: 3 hours

HIST 2260 - A Survey of East Asian Civilization (3 Credits)
This is a survey of East Asian civilization from ancient times to the modern period. The course also will treat the region as part of world history with discussions and comparisons of East Asia and other world economies and cultures. Lecture: 3 hours

HIST 2270 - History of the United States from the 16th Century to the Present (5 Credits)
This course is designed to provide students with an understanding of the definition, origins and development of homeland security in the United States. The terminology of the Department of Homeland Security (DHS) is discussed as well as the presidential directives that created this new department. This course explores state, national and international laws impacting homeland security. The course examines the most critical threats and challenges confronting homeland security. This course also discusses how DHS has changed over the past several years in reaction to different terrorist events and the future of protecting the homeland. Lecture: 3 hours

HIST 2330 - War and Society (3 Credits)
In this course, we will explore the ways that war and violence were central to the formation, consolidation and expansion of European nation-states from the French Revolution to the collapse of empires in Europe. We will begin by reading works on the nature and origins of violence in modern society. We will then examine the rise of mass politics and the ideologies that produced widespread destruction in the wake of the French and Industrial Revolutions. When we move to the 20th century, we will focus significant attention on the history of the two world wars, but we will be equally concerned with identifying the changing notions of legitimate state and interpersonal violence. Course readings will include primary and secondary sources, but films and music also will be important. Lecture: 3 hours

HMLS (HOMELAND SECURITY)

HMLS 1000 - Introduction to Homeland Security (3 Credits)
This course is designed to provide students with an understanding of the definition, origins and development of homeland security in the United States. The terminology of the Department of Homeland Security (DHS) is discussed as well as the presidential directives that created this new department. This course explores state, national and international laws impacting homeland security. The course examines the most critical threats and challenges confronting homeland security. This course also discusses how DHS has changed over the past several years in reaction to different terrorist events and the future of protecting the homeland. Lecture: 3 hours
HMLS 1010 - Intelligence Analysis and Risk Management (3 Credits)
This course examines intelligence analysis and its indispensable relationship to the security management of terrorist attacks, man-made disasters and natural disasters. It also explores vulnerabilities of our national defense and private sectors, as well as the threats posed to these institutions by terrorists, man-made disasters and natural disasters. Students will discuss substantive issues regarding intelligence support of homeland security measures implemented by the United States and explore how the intelligence community operates. (Prerequisite: HMLS 1000) Lecture: 3 hours

HMLS 1020 - Border and Transportation Security (3 Credits)
This course provides an in-depth view of modern border and transportation security. Specific topics include security for seaports, ships, aircraft, trains, trucks, pipelines and buses. Focus is on the technology needed to detect terrorists and their weapons as well as on legal, economic, political and cultural aspects of the problem. (Prerequisite: HMLS 1000) Lecture: 3 hours

HMNS (HUMAN SERVICES)

HMNS 1010 - Introduction to Helping and Human Services (3 Credits)
This is the first in a sequence of required courses for internship placement in all Human Services concentrations. This course provides a working familiarity with theories of human development and will explore values and helping skills that are generic to the fields of teaching and human services. Students examine personal and professional attitudes, values, and beliefs that correlate with high effectiveness and will review current research for an understanding of social and behavioral issues critical to effective teaching and helping. Tools to assist students in self-assessment use of a sequential model for helping and the development of critical reading and reflective writing skills are provided. Note: A grade of “C” or better is required for Human Services program students. Lecture: 3 hours

HMNS 1040 - Drugs and Human Behavior (4 Credits)
This course provides general and specialized knowledge concerning the bio-psycho-social antecedents and consequences of drug-taking behaviors. Additionally, it carefully examines the nature of compulsion as it relates to the activity addictions. The use of medical, behavioral and psychodynamic models promote an understanding of addiction as a process, not an event, and students are exposed to current research documenting the connections between addictive behavior activities and brain chemistry. Students will gain knowledge and skills in the areas of assessment, intervention, treatment, relapse prevention and health promotion for working with individuals, groups and families affected by addictive and compulsive disorders. Note: A grade of “C” or better is required for Human Services majors. Lecture: 4 hours

HMNS 1050 - American Sign Language I (3 Credits)
This is a beginner’s course in the sign language of the deaf in the United States. The course equips students with skills that enable communication in American Sign Language, both expressively and receptively. Topics relevant to the use of sign language include: the role of signs in American education of the deaf, the oral versus manual controversy, the philosophy of total communication and standards and ethics of sign language interpreting. Students are expected to attain competency with 600 common signs and to adhere to acceptable standards in utilizing this skill. Elective for Liberal Arts program. Note: A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

HMNS 1070 - American Sign Language II (3 Credits)
This is an intermediate-level course in the sign language of the deaf in the United States. This course concentrates on improving skills acquired in HMNS 1060 and focuses on effective conversational skills, both expressive and receptive. Students are expected to attain competency with 600 signs and a working knowledge of American Sign Language. Elective for Liberal Arts program. (Prerequisite: HMNS 1060) Note: A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

HMNS 1075 - Sign Language Interpretation (3 Credits)
This course builds on the student’s ability to demonstrate proficiency in American Sign Language, as established in either HMNS 1060 or 1070. This course begins the student’s preparation to translate the spoken word into ASL and vice versa. This course will explore the basic responsibilities in the sign language interpreter field. Students learn the process of interpreting, the role of the interpreter in a variety of settings, the code of ethics, securing assignments, billing, available training and many other aspects of interpreting and the interpreting field. (Prerequisite: HMNS 1060 or 1070) Note: A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

HMNS 1080 - Health, Nutrition and the Young Child (3 Credits)
This course provides students with basic concepts of health, nutrition and safety as they apply to the care and education of young children. Students acquire those skills necessary for incorporating critical concepts into programming and curriculum in a wide variety of early childhood settings. Students will be required to spend 4-6 hours over the course of the semester participating in experiences and researching application of course content in a public school, licensed educational setting or licensed child care. Note: A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

HMNS 1090 - Foundations of Gerontology and Elder Care (3 Credits)
Using a competency-based approach, this course provides students with specialized skills needed to plan and implement the professional delivery of direct services to senior adults, nursing home residents, the frail and elderly and the chronic or disabled senior patient. Students become familiar with the construction and interpretation of diagnostic assessments as part of senior activity planning that addresses the physical, social and emotional needs of the nursing home client. Note: A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

HMNS 1130 - Introduction to Interpersonal Violence (3 Credits)
This course is designed to introduce students to current research and theories of interpersonal violence. Students acquire knowledge about developmental approaches as well as psychological and sociological theories as they relate to the effects of interpersonal violence on individuals and society. A systems perspective is used to examine both victim and perpetrator profiles in the areas of child abuse and neglect, attachment abuse, elder abuse, partner abuse, hate crimes and youth violence. Note: A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
HMNS 1140 - Interventions in Interpersonal Violence (3 Credits)
This course is designed as an extension of HMNS 1130 and will explore the continuum of prevention, intervention and treatment in interpersonal violence. Students will learn about treatment and intervention models as well as current research describing advocacy, psychological, sociological and systems approaches. The specific strategies suggested by each are reviewed to provide students with skills for appropriate interventions. Note: A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

HMNS 1150 - Direct Support Professional Training I (3 Credits)
This is the first course in a competency-based professional development sequence required for human service workers who provide direct care to people with significant, severe and profound developmental disabilities. Knowledge and skills training appropriate to regional, educational, occupational and community care facilities are presented to foster student understanding, practical application and career development. Note: A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

HMNS 1160 - Direct Support Professional Training II (3 Credits)
This is the second course in a competency-based professional development sequence required for direct care providers in the field of developmental disabilities. General content areas identified in HMNS 1150 are expanded in ways that support the development of hands-on skills with populations served by regional, educational, occupational and community care facilities. Skill enhancement toward career advancement is addressed and preparation for the ROC competency exam is included. Note: A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

HMNS 1200 - Practicum I: Service Learning (3 Credits)
The purpose of this course is to develop and refine observation, communication, presentation, writing and service skills appropriate for entry-level placement in a social service environment. It is designed to assist students in clarifying their concentration by providing a skill-specific seminar and a 50-hour service learning practicum. Locations are sought for students to develop entry-level helping skills while engaged in activities that support community service, civic commitment and the development of social consciousness. (Prerequisites: HMNS 1010 and 2200) Note: Placement is subject to instructor assessment of student readiness. Grade of “C” or better is required for Human Services majors.

HMNS 1201 - Practicum for Developmental Disabilities (3 Credits)
Practicum for Developmental Disabilities introduces students to the day-to-day activities involved in the care and support of people with developmental disabilities in home and work settings. Students learn the basics of working as a direct support professional through classroom lectures and discussions of the core requirements of the job of the DSP. In field placement, students observe, assist and finally lead in the direct support of individuals clients with the supervision of agency and college faculty mentors. (Prerequisite: HMNS 1010 and 2070) Note: A grade of “C” or better is required for Human Services majors.

HMNS 1210 - Field Experience and Seminar I – Child Development (3 Credits)
This course provides a school or community-based placement (as arranged by the instructor) and seminar to assist students in gaining entry-level skills for working with children from birth to age eight. Students will learn practical and professional skills for establishing positive relationships with young children and how to select age-appropriate materials that promote the cognitive, social-emotional, and physical development of young children. Students begin the development of their professional portfolio in their Field Seminar. Students are expected to complete 78–90 hours of supervised placement on the designated days and times as noted upon course registration. Students are required to complete a BCI (Bureau of Criminal Identification) background check and should be updated with immunizations. (Prerequisites: HMNS 1010 and 2100) Note: A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

HMNS 1220 - Field Experience and Seminar I – Education/Special Needs (3 Credits)
This course places students in a school or community-based internship that provides hands-on training with typical and/or special needs students. Students gain entry-level skills in instructional work, developing rapport, behavior management, student assessment and materials presentation and utilize their seminar to address issues relating to their field placement. (Prerequisites: HMNS 1010 and either 2060 or 2070) Note: A grade of “C” or better is required for Human Services majors.

HMNS 2020 - American Sign Language IV (3 Credits)
This is an intermediate-level sign language course that emphasizes further development of expressive and receptive skills appropriate for a broad range of conversational situations. Grammatical functions are stressed along with a more in-depth study of deaf history, deaf culture, linguistics and the use of classifiers. (Prerequisites: HMNS 1060 and 1070) Note: A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
HMNS 2030 - Emergent Literacy: Reading Readiness in Early Childhood Education (3 Credits)
This course introduces students to the theoretical and practical foundations of emergent literacy. Students will develop teacher competencies in areas of developmental assessment, teaching methodology, curriculum planning and implementation. Note: A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

HMNS 2080 - Case Study Development for Special Needs Educators (3 Credits)
This course is an applied learning experience that links and illuminates theoretical and academic information discussed in class with a student currently enrolled in an actual school-based program, in order to promote an understanding of differences in learning and development. Students will complete a minimum of 30 contact hours in an educational setting that includes children with disabilities. Students will select a child to study, review the student’s assessment and IEP for the purpose of presenting it as a formal case study. (Prerequisite or corequisite: HMNS 2070 or permission of instructor) Note: A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

HMNS 2100 - Child Growth and Development Skills (3 Credits)
This course is the first in a sequence for Child Development majors and provides the foundation for understanding major theories in the cognitive, social-emotional and physical needs of children. Students will explore various caregiving and teaching styles for observing, assessing and guiding the growth and development of young children. Students will be required to observe children from birth to age eight in a public school, licensed educational or child care setting for a total of 4–6 hours over the course of the semester. (Prerequisite: HMNS 2100 or equivalent experience approved by instructor) Note: A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

HMNS 2110 - Introduction to Social Work and Social Welfare (4 Credits)
This course provides an overview of social work as a profession, including its history, values, practices, methods and settings. Students will gain a working knowledge of the structure and organization of public, private and voluntary social services, welfare programs and their interconnection in the human service delivery network. Students will understand the code of ethics, skills and competencies that guide effective practitioners in the social work profession. Note: A grade of “C” or better is required for Human Services majors. Lecture: 4 hours

HMNS 2120 - Curriculum for Young Children (3 Credits)
This course is designed so students can develop the skills necessary to plan developmentally appropriate curriculum and environments for children from birth to age eight in a variety of early childhood settings. Students will gain an understanding of how children learn and how to assess developmental readiness for creating and implementing developmentally appropriate materials and techniques. Students will be required to spend 3–4 hours over the course of the semester observing environments and implementing learning opportunities in a licensed educational, child-care or public school setting. (Prerequisite: HMNS 2100 or equivalent experience approved by instructor) Note: A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

HMNS 2130 - Therapeutic Interventions I: Working with Individuals (3 Credits)
This course provides a comprehensive overview of major therapeutic models including psychoanalytic, Adlerian person-centered reality, Gestalt, transactional, rational-emotive and behavioral. Students will acquire related intervention skills and techniques for meeting the needs of individual clients of all ages served in social work, mental health and substance abuse settings. Emphasis also is placed on ethical standards and the development of skills needed for formulation of bio-psycho-social case/treatment plans. (Prerequisite: HMNS 2200) Note: A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

HMNS 2135 - Therapeutic Interventions II: Group Process and Practice (3 Credits)
This course provides a comprehensive overview of major therapeutic models and related intervention methods for use with families and small groups. Students will learn skills appropriate for constructing and facilitating groups in social service and mental health settings. (Prerequisites: HMNS 1010 and 2200; HMNS 2130 also recommended) Note: A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

HMNS 2140 - Guiding Children’s Behavior (3 Credits)
This course provides an overview of residential care and the critical issues faced by child care workers in residential settings. Emphasis is placed on practical solutions to problems common to group living and issues related to staff and community relationships. Students will learn skills for enhancing the effectiveness of the professional child care worker and for improving the mental health and functioning of children in these settings. As part of the course, students are required to spend additional time observing and/or working with children in actual or simulated child care settings. Note: A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
**HMNS 2150 - Parent and Child Relations (3 Credits)**

This course explores the parent-child relationship as it develops and evolves within diverse family systems and reviews strategies for working with parents. Special attention is placed upon the various developmental stages that both children and parents pass through, and in turn, how parents influence and challenge each other’s development. Selected topics may include the impact that various parenting and behavioral control styles can have on children, how such issues as culture, social class, children’s temperament, divorce, abuse, special needs and parental mental health can impact parenting and child well-being. Students develop an understanding of how to assess parent-child relations and review behavioral strategies for working with parents in educational and social service settings. **Note:** A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

**HMNS 2170 - Learning Disabilities (3 Credits)**

This course provides students with an understanding of learning disabilities as they manifest in children and as they impact learning and development. Students are able to recognize the characteristics; impact on self-concept; various auditory, visual, perceptual and motor challenges; language delay and hyperactivity and become familiar with diagnostic tests and the appropriate remediation techniques most often prescribed. The Individuals with Disabilities Education Act, along with current changes in research and social policy, frame discussions around eligibility for special services, the referral process and parental rights. **(Strongly recommended: Completion of HMNS 2070)** **Note:** A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

**HMNS 2180 - Significant Developmental Disabilities (3 Credits)**

The course provides a specialized understanding of individuals with significant developmental disabilities that includes a focus on multi-sensory impairment, severe mental retardation and profound multiple disability. Students will learn strategies through hands-on activities for developing appropriate intervention and remedial skills. Use of technology, supportive equipment and environmental modifications are included. **(Recommended: Completion of HMNS 2070)** **Note:** A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

**HMNS 2190 - Infant/Toddler Care: Methods and Materials (3 Credits)**

This course is designed to assist in the planning of curriculum and caregiving for infants and toddlers in licensed family child-care and center-based early childhood settings. Students develop skills for planning, selecting developmentally appropriate materials and designing the physical and social environments related to the promotion of infant and toddler development. Students will be required to spend 4–6 hours over the course of the semester conducting observations in a licensed infant-toddler educational setting or a licensed family child-care setting. **(Recommended: Completion of HMNS 2100)** **Note:** A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

**HMNS 2200 - Assessment Interviewing for Treatment Planning (3 Credits)**

This course provides an in-depth study of the interviewing process, including methods for creating client safety and rapport and, most importantly, how to obtain and assess client information. Data collection and client assessment are the initial steps in the social services process; therefore, this is the first course in the social work, mental health, gerontology and substance abuse concentrations for teaching appropriate intervention skills. Students are taught how to use the interviewing process to initiate the helping strategies for use in a variety of mental health and social service settings. **This course is a prerequisite for HMNS 1230. Note:** A grade of “C” or better is required for Human Services program students. Lecture: 3 hours

**HMNS 2230 - Individuals, Families and Small Groups (3 Credits)**

This course examines how biological, psychological, social and cultural influences affect the behavior of individuals and families. Emphasis is placed on how human behavior is affected by social context and the forces of oppression as well as the impact of oppression on women, lesbians and gay men, persons with physical disabilities and the aged. Skills required to work with these populations, using an ecological/generalist person in environment approach, are discussed. **(Recommended prerequisites: HMNS 1010, 1200, 2110; PSYC 2020, 2030 and BIOL 1010)** **Note:** A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

**HMNS 2290 - Driver and Traffic Safety Education (3 Credits)**

This course prepares B.A./B.S. certified teachers to deliver the Rhode Island Driver and Traffic Safety Education curriculum in compliance with those requirements set forth by the Rhode Island Department of Motor Vehicles and the Office of Higher Education. Completion carries lifetime certification. Lecture: 3 hours

**HMNS 2310 - Field Experience and Seminar II - Child Development (3 Credits)**

This course provides a school or community-based placement (as arranged by the instructor) and seminar to assist students in refining caregiving and teaching skills and developing competencies related to assessing the needs of children from birth to age eight. Students advance their skills for developing appropriate curriculum and activities for young children and continue the development of their professional portfolio. Students are expected to complete 78–90 hours of supervised placement on the designated days and times as noted upon course registration. Students are required to have a current BCI (Bureau of Criminal Identification) background check and should be up to date with immunizations. **(Prerequisites: HMNS 1010, 1210 and 2100; Corequisite: HMNS 2120)** **Note:** A grade of “C” or better is required for Human Services majors.

**HMNS 2320 - Field Experience and Seminar II - Education/Special Needs (3 Credits)**

This course refines skills of behavior management, assessment, instructional methodology and lesson development in settings for typical and special needs children and adults. Students learn how to work with individuals

**Prerequisite:** Successful completion of course required before registering. **Corequisite:** Course must be taken prior to or at the same time.
LEVEL III FIELD EXPERIENCES

HMNS 2410, 2420, 2440 and 2460 (3 Credits)

Level III internships combine field experience and seminar to further develop advanced intervention and implementation skills in all Human Services concentrations. Students are assigned to a cooperating agency or school for 75 to 90 hours per semester and are required to attend a one- to two-hour seminar each week. (Prerequisites: Grades of “C” or better in Field Experiences I and II and required Human Services courses) Seminar: 1–2 hours, Fieldwork: 6–8 hours

HMNS 2420 - Field Experience and Seminar III - Education/Special Needs (3 Credits)

This course provides a field setting and seminar to assist students in further developing and refining instructional techniques, behavioral strategies and lesson development and implementation for individual, small and large groups of typical and special needs students of all ages. The construction and presentation of lesson plans that include instructional objectives and learning outcomes are achieved in accordance with the Rhode Island Beginning Teacher Standards. Students should be able to demonstrate a teaching style that promotes the physical, intellectual, language, social and emotional development of students. (Prerequisites: HMNS 1010, 1200, 2060 or 2070, 2320) Note: A grade of “C” or better is required for Human Services majors.

HMNS 2440 - Field Experience and Seminar III - Social Work and Gerontology (3 Credits)

This course provides a field location and seminar where students are expected to use advanced skills and clinical supervision acquired thus far to demonstrate increased ability to assess, plan and perform independently in response to clients served in social work and gerontology settings. (Prerequisites: HMNS 1010, 1200, 2200 and 2340) Note: A grade of “C” or better is required for Human Services majors.

HMNS 2460 - Field Experience and Seminar III - Mental Health and Substance Abuse (3 Credits)

This course provides a field location where students are expected to demonstrate refined skills and an increased ability to operationalize knowledge gained thus far in their program to meet the physical, emotional, cognitive and clinical needs of clients served by mental health and substance abuse providers. Students demonstrate an increased ability to assess, plan and perform independently in mental health and substance abuse settings. (Prerequisites: HMNS 1010, 1200, 2200 and 2360) Note: A grade of “C” or better is required for Human Services majors.

HMNS 2515 – Major Health Issues of the Elderly: Implications for Human Services (3 credits)

This course provides general information regarding health issues impacting the aging and elderly to include Alzheimer’s and Dementia related diseases, Parkinson’s disease, incontinence, cancer, heart disease, arthritis, vision and eye diseases, diabetes, sleep disorders, depression, hearing loss, osteoporosis and lung disease. Students will explore, discuss, and reflect on the most common health concerns affecting the aging and elderly as it relates to health, safety, wellbeing, independent living, caregiver support, and implications regarding the role of the Human Service Professional as part of a multidisciplinary collaborative approach in preparation for working with this population. (Prerequisites: HMNS 1010 and 1090) Note: A grade of “C” or better is required for Human Service program students. Lecture: 3 hours

HMNS 2520 – Social and Psychosocial Characteristics of Aging and Elderly (3 credits)

Students gain a competency-based approach to understanding the social and psychological characteristics and effects of aging. Students will examine theorists perspectives on aging and gain insight into the implications of living longer as myths of aging are dispelled and realities are discussed. Special emphasis is placed on social and political issues, global trends, cross-cultural view of elder’s roles, and quality of life experiences. Additional

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
focus is placed on special populations to include grandparents as second time parents, women, and veterans. Students will demonstrate competencies in understanding ethical human services approaches regarding critical and relevant issues such as how aging and older adults are studied, social and psychological challenges with aging, independent living and social interactions, death and dying, and social supports. (Prerequisites: HMNS 1010 and Corequisite HMNS 1090) Note: A grade of “C” or better is required for Human Service program students. Lecture: 3 Hours

HMNS 2560 – Healthy and Successful Aging (3 credits)
This course provides a competency-based learning approach to healthy practices for successful aging. Students will identify and explore current best practices in successful aging to include latest research in nutrition, exercise, safety, and high levels of social connection. Other key factors examined include proactive legal and good economic practices, the coordination of good health, and examples in effective medication-monitoring practices. (Prerequisites: HMNS 1010 and Corequisite HMNS 1090) Note: A grade of “C” or better is required for Human Service program students. Lecture: 3 Hours

HMNS 2590 – Service Learning Practicum for Gerontology (3 credits)
Students will develop and refine observation, communication, working relations, presentation, writing and service skills appropriate for entry-level placement in a gerontology service agency. Students will complete a minimum of 50 hours of volunteer service 25 hours in direct care, 25 in non-direct care within the gerontology community of agencies. (Prerequisite: HMNS 1010 and 2200) Note: A grade of “C” or better is required for Human Service program students. Students are required to have a current BCI (Bureau of Criminal Investigation) background check and should be up-to-date with immunizations. Lecture: 3 hours

HMNS 2540 – Human Services Advocacy for Aging and Elderly (3 credits)
This course focuses on the role of the human service worker in the coordination and collaboration of multidisciplinary and interdisciplinary approaches to advocating ethical practices for the aging and elderly client. Students will examine case studies to identify, discuss, and reflect on challenges and barriers often experienced by the older adult. (Prerequisites: HMNS 1010, Corequisite HMNS 1090) Note: A grade of “C” or better is required for Human Service program students. Lecture: 3 Hours

HMNS 2710 - Diversity and Cultural Competency Skills (3 Credits)
This course provides students with an awareness of the historical, cultural, socioeconomic, biological and psychosocial influences that define diversity. Students learn skills critical to becoming culturally competent and sensitive to diversity. Students develop core competencies to communicate more effectively with diverse populations, to foster inclusive attitudes in the classroom and to work more effectively toward the elimination of racism and other forms of discrimination in public education and social service delivery systems. A 15-hour practicum is required to meet the artifact requirement for Education majors planning to transfer. (Corequisite: HMNS 2060 or 2070 or permission of instructor) Note: A grade of “C” or better is required for Human Services majors. Lecture: 3 hours

HMNS 2900- Human Services Capstone (3 Credits)
The Human Services Capstone course integrates students’ comprehensive knowledge gained through the learning experiences involved in pursuit of the Human Services program curriculum. Students draw upon knowledge and skill gained in Human Services and general education requirements to prepare comprehensive and integrated solutions to case study problems presented in class. A large part of learning will come from students’ small group work, taking advantage of each other’s collective knowledge and skill, integrating both educational and social services curricula. (Prerequisite: Final semester standing) Note: A grade of “C” or better is required for Human Services majors) Lecture: 3 hours

HOSP (HOSPITALITY)

HOSP 1010 - Lodging Management I (3 Credits)
This course builds on the concepts and principles presented in the Level I course and includes the areas of leadership/management, hospitality marketing and sales and the food and beverage service industry. (Prerequisite: HOSP 1010) Lecture: 3 hours

HOSP 1020 - Lodging Management II (3 Credits)
This course builds on the concepts and principles presented in the Level I course and includes the areas of leadership/management, hospitality marketing and sales and the food and beverage service industry. (Prerequisite: HOSP 1010) Lecture: 3 hours
HSTO 2310 - Histology III (9 Credits)
This course provides practical application of principles and techniques of advanced histological procedures. The clinical setting provides realistic conditions under which a histotechnician functions and allows students to refine those skills acquired in Histology II. Students are introduced to the procedures involved in the embedding, cutting, and staining of various surgical and autopsy specimens. Students also will experience special stains for various tissue components including minerals, pigments, connective tissues, amyloids and carbohydrates. (Prerequisite: HSTO 1320) Lecture: 3 hours, Clinical: 16 hours per week

HSTO 2320 - Histology IV (12 Credits)
This course provides practical application of principles and techniques of advanced histological procedures. The clinical setting provides realistic conditions under which a histotechnician functions and allows students to refine skills acquired in Histology III. Students will refine skills in embedding, cutting tissue sections, H and E staining and evaluation of various surgical and autopsy specimens. Students experience special stains for microorganisms and neuropathology. Students are introduced to special procedures such as immunohistochemistry, enzyme histochemistry and electron microscopy. (Prerequisite: HSTO 2310; Corequisite: HSTO 2330) Clinical: 32 hours per week

HSTO 2330 - Histology Seminar (2 Credits)
This course provides students with an extensive review, as well as assistance in the preparation of a portfolio. Guest lecturers discuss advanced topics in histology and professional issues. (Corequisite: HSTO 2320) Lecture: 2 hours

INST (PROCESS CONTROL TECHNOLOGY)

INST 1010 - Introduction to Instrumentation Technology (3 Credits)
This course stresses the theory and practical application of mechanical and electrical sensing devices and control systems. Topics covered include sensing and control devices for temperature, humidity, pressure, level and flow. In addition, calibration procedures are covered. Lecture: 2 hours, Lab: 2 hours

INTC (HEALTH CARE INTERPRETER)

INTC 1300 - Interpreting in Health Care I (7 Credits)
This course prepares students who are bilingual to develop awareness, knowledge, and skills necessary for effective language interpretation in health care settings. Emphasis includes the roles and responsibilities of a health care interpreter, basic knowledge of common medical conditions, treatments and procedures, insight in language and cultural nuances for specific communities necessary in the art of interpretation. Fieldwork experiences provide opportunities for students to observe a competent health care interpreter. (Note: Students enrolled in the Health Care Interpreter Program must take this course concurrently with INTC 1310) (Corequisite: RHAB 1010) Lecture: 6 hours, Clinical: 3 hours

INTC 1310 - Interpreting in Health Care II (8 Credits)
This course prepares individuals who are bilingual to become integral members of the health care team by bridging the language and cultural gap between clients and providers. (Corequisite: HSTO 1320) Lecture: 3 hours, Clinical: 32 hours

ITAL (ITALIAN)

ITAL 1000 - Basic Spoken Italian I (3 Credits)
This is an introductory elective course for beginners emphasizing correct pronunciation and basic vocabulary for practical use in everyday conversational situations and travel dialogues. Students with no previous study of the language are prepared to use and understand it within a limited context and basic structure. Lecture: 3 hours

ITAL 1010 - Basic Spoken Italian II (3 Credits)
This is a continuation of Basic Spoken Italian I (ITAL 1000). (Prerequisite: ITAL 1000 or its equivalent) Lecture: 3 hours

ITAL 1020 - Elementary Italian II (3 Credits)
This is a continuation of Elementary Italian I (ITAL 1010). (Prerequisite: ITAL 1010, 1030 or its equivalent) Lecture: 5 hours

ITAL 1040 - Elementary Italian II (3 Credits)
This is a continuation of Elementary Italian I (ITAL 1030). (Prerequisite: ITAL 1030, 1040 or its equivalent) Lecture: 3 hours

ITAL 1510 - Conversational Italian I (3 Credits)
This course further develops students’ fluency in speaking Italian. Oral practice includes active use of the language in short dialogues stressing basic communication and correct pronunciation. Reading of easy cultural texts also provides material for conversation and discussion. CDs are available for individual practice. (Prerequisite: Two years of high school Italian or one year of college Italian or the equivalent) Lecture: 3 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITAL 1520</td>
<td>Conversational Italian II (3 Credits)</td>
<td>This is a continuation of Conversational Italian I (ITAL 1510) including conversational practice, cultural readings and discussions. (Prerequisite: ITAL 1510 or its equivalent) Lecture: 3 hours</td>
</tr>
<tr>
<td>ITAL 1900</td>
<td>The Italian Heritage (3 Credits)</td>
<td>This course introduces students to the cultural development of the Italian people through the centuries. Guest lecturers and class discussion center on significant aspects of Italian literary, social and artistic life as they have contributed to Western Civilization. Audio-visual aids present the lives and works of great figures and are used for appreciation of Italian art, music, food and wine. Italian films viewed in class are a backdrop for discussing the Italian cinema. The history and cultural contributions of Italian-Americans also are included from the discovery of America to mass immigration to present times. Note: The course is conducted in English. Lecture: 3 hours</td>
</tr>
<tr>
<td>ITAL 1910</td>
<td>Italian Culture – Cuisine (1 Credit)</td>
<td>The Italian Culture-Cuisine course offers students the opportunity to participate in the CCRI Summer Travel/Study Program in Italy to enhance their educational, professional and personal growth through a multidisciplinary approach to learning and a complete immersion in the Italian language and culture. The course combines linguistic, artistic, historical and literary traditions and hands-on workshops of the rich culinary traditions of central Italy and other regions of Italy. Lecture: 6 hours, Lab: 9 hours (2 weeks)</td>
</tr>
<tr>
<td>ITAL 1950</td>
<td>Italian for Business and Travel (1 Credit)</td>
<td>This course is designed particularly for employees of travel agencies, those in wholesale/retail or import/export businesses and those individuals who are planning a cultural trip to Italy. The course is tailored to the needs of the individual who wants to gain knowledge and appreciation of the Italian language and culture expeditiously. Emphasis is placed on common verbal expressions for basic communication, such as greetings, lodging, shopping, food, transportation and cultural information about Italian customs and traditions. Lecture: 1 hour</td>
</tr>
<tr>
<td>ITAL 2010</td>
<td>Intermediate Italian I (3 Credits)</td>
<td>This course helps students develop skill in reading and discussing Italian texts related to culture and literature. Coursework is supplemented by further work in grammar, conversation and composition. (Prerequisite: ITAL 1020 or 1040 or its equivalent) Lecture: 3 hours</td>
</tr>
<tr>
<td>ITAL 2020</td>
<td>Intermediate Italian II (3 Credits)</td>
<td>This is a continuation of Intermediate Italian I (ITAL 2010). (Prerequisite: ITAL 2010 or its equivalent) Lecture: 3 hours</td>
</tr>
<tr>
<td>ITAL 2110</td>
<td>Italian Conversation and Composition I</td>
<td>This is an intensive course in conversation and composition. Selected cultural videos, CDs, readings and classroom discussions provide an atmosphere to develop and improve speaking and understanding of Italian. Oral presentations and written compositions are required. (Prerequisite: ITAL 2020 or permission of instructor) Lecture: 3 hours</td>
</tr>
<tr>
<td>ITAL 2220</td>
<td>Italian Conversation and Composition II</td>
<td>This course is a continuation of Italian Conversation and Composition I (ITAL 2210). (Prerequisite: ITAL 2210 or permission of instructor) Lecture: 3 hours</td>
</tr>
<tr>
<td>JAPN 1000</td>
<td>Basic Spoken Japanese I (3 Credits)</td>
<td>This is an introductory elective course for beginners emphasizing correct pronunciation and basic vocabulary for practical use in everyday conversational situations and travel dialogues. Students with no previous study of the language are prepared to use and understand it within a limited context and basic structure. Lecture: 3 hours</td>
</tr>
<tr>
<td>JAPN 1100</td>
<td>Basic Spoken Japanese II (3 Credits)</td>
<td>This is a continuation of Basic Spoken Japanese I (JAPN 1000). (Prerequisite: JAPN 1000 or equivalent) Lecture: 3 hours</td>
</tr>
<tr>
<td>ITAL 2210</td>
<td>Italian Conversation and Composition I</td>
<td>This course examines the history and philosophy of the role of police in society. It surveys organizational structures and basic procedures of police work, police ethics and major problems confronting the law enforcement profession. Students examine international, federal, state and local law enforcement agencies, identifying the origin, jurisdiction, mission and functions of each. Lecture: 3 hours</td>
</tr>
<tr>
<td>LAWS 1010</td>
<td>Criminal Law (3 Credits)</td>
<td>This course is a study of crimes from early English common law to modern American criminal law including common law and statutory offenses. Criminal intent, criminal act and causation are thoroughly analyzed. General definitions of crimes, classifications of crimes, parties to crimes and common defenses, such as insanity and self-defense, are considered. Lecture: 3 hours</td>
</tr>
<tr>
<td>LAWS 1020</td>
<td>Criminal Procedure (formerly Administration of Justice) (3 Credits)</td>
<td>This course presents an overview of the criminal justice system, including an examination of the organization and jurisdiction of federal, state and local courts and law enforcement agencies. The arrest, arraignment, plea, preliminary hearing, bail, grand and petit jury proceedings, verdict, sentence and petitions for new trial are studied together with the jurisdiction of the courts on all levels. Lecture: 3 hours</td>
</tr>
<tr>
<td>LAWS 1030</td>
<td>Criminalistics I (3 Credits)</td>
<td>This course surveys basic crime scene investigation methods. Topics include first responder duties, evidence collection and processing, photography, impression evidence, blood analysis, trace evidence, arson investigation and casting methods for impression evidence. Students complete projects involving plaster casting and crime scene sketching. A mock crime scene investigation is conducted. Lab fee required. Lecture: 3 hours</td>
</tr>
</tbody>
</table>
| LAWS 1040  | Criminalistics II (3 Credits)                    | This course is an advanced study of criminalistics. Topics include the investigation of specific crimes (sexual assault, homicide, burglary and auto theft); alcohol and drug
successful completion of course required before registering. (Prerequisite: LAWS 1030) Lecture: 3 hours

LAWS 2020 - Basic Civil Procedure for Paralegals (3 Credits)
This course introduces the legal concepts and practical applications of civil litigation using the rules of civil procedure as applied in the federal and state court systems. The course will cover the court system; jurisdiction and venue; pleadings (complaints, answers, counterclaims and cross-claims); and discovery documents (interrogatories, depositions and requests for production). (Prerequisite: LAWS 1020 and 1080 or permission of instructor) Lecture: 3 hours

LAWS 2030 - Criminal Law and the Constitution (3 Credits)
This course presents a consideration and analysis of the most significant and recent Supreme Court decisions as they pertain to the rights of the accused in the areas of arrest, search and seizure, interrogation and right to assistance of counsel. Case and text method. Lecture: 3 hours

LAWS 2040 - Law and Society (3 Credits)
This course studies adjudicated cases involving the leading social issues affecting society today and the impact such adjudications have had upon society. Stress is placed upon the relationship of law to social values and morals. The delicate balance between the interests of society and individual rights is scrutinized and the students’ views as to the maintenance of the balance is evaluated in the light of the cases studied. Lecture: 3 hours

LAWS 2050 - Law of Contracts (3 Credits)
This course studies the legal rules, concepts and terminology relating to voluntary agreements entered into for the provision of services or the sale of property. The areas included are agreement, consideration, contractual capacity, legality, genuineness of assent and legal form. Lecture: 3 hours

LAWS 2060 - The Law of Property, Estates and Trusts (3 Credits)
This course studies the laws of real property, personal property and decedents’ estates. Topics to be covered include definitions of real and personal property; the ownership and transfer of real estate (concurrent ownership, deeds, mortgages and leases); and the areas of gifts, wills, inheritance laws, probate and trusts. Lecture: 3 hours

LAWS 2070 - Law of Business Organization (3 Credits)
This course covers the law of agency (principal-agent relationships and independent contractors), federal and state employment law and the law regarding legal forms of business (sole proprietorships, partnerships of various kinds, corporations and limited liability companies). Lecture: 3 hours

LAWS 2090 - Legal Research and Writing (4 Credits)
This course for Paralegal Studies majors covers legal research using primary sources (statutes, court decisions and regulations); case digests and finding aids; secondary legal sources (encyclopedias, treatises and annotations) and citators (Shepard’s Citations and WestLaw’s KeyCite). Emphasis is on legal research using computer-assisted legal research (CALR) tools. Students are expected to complete a full legal research project and write a legal memorandum. (Prerequisites: Laws 1080 and 24 credit hours earned or permission of instructor) Lecture: 4 hours

LAWS 2100 - Law of Torts (3 Credits)
Law of Torts involves the study of civil wrongs that result in personal injury, property damage or economic injuries. This course deals with areas of negligence, intentional torts and strict liability torts. It also covers topics of professional malpractice, products liability and premises liability. (Prerequisite: LAWS 1020 or 1080 or permission of instructor) Lecture: 3 hours

LAWS 2500 - Case Studies in Criminal Law (3 Credits)
This capstone course in the Law Enforcement program will integrate the material covered in prior classes in the areas of substantive criminal law, criminal procedural law, crime scene investigation, evidentiary law and constitutional law related to law enforcement. Students will work on, and write reports on, two case studies based upon comprehensive case files. These case files will include documents that would be involved in an actual criminal case such as bills of indictment, police reports, witness statements, forensic reports, search warrant affidavits and inventories, transcripts of court hearings involving the case and the substantive criminal laws that may apply to the facts of the case. (Prerequisites: LAWS 1010, 1020, 1030, 2010 and 2030 or permission of instructor) Lecture: 3 hours

LEGL (Administrative Office Technology)

LEGL 2310 - Legal Forms and Terminology (2 Credits)
This course studies forms used by attorneys in legal and business transactions. An explanation of the origin and use of the forms introduces terminology in which the legal assistant should be versed. Discussions and simulations revolve around legal terms in the context of a variety of legal documents such as complaints, motions, stipulations and contracts. Lecture: 2 hours

LEGL 2320 - Legal Forms and Terminology (2 Credits)
This course studies forms used by attorneys in legal and business transactions. An explanation of the origin and use of the forms introduces terminology in which the legal assistant should be versed. Discussions and simulations revolve around legal terms in the context of a variety of legal documents such as complaints, motions, stipulations and contracts. Lecture: 2 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
LEGL 2420 - Legal Office Administration (2 Credits)
This course prepares students to work as legal administrative assistants in a variety of law office environments. Procedures followed by attorneys in various specialties of the law are covered including litigation, real estate law, criminal law, wills and estates and many other areas of the law. Students also become familiar with the court system. Lecture: 2 hours

LIBA (LIBERAL ARTS)

LIBA 1000 - The Learner's Journey: Critical Thinking and Learning Strategies for College Students (3 Credits)
This fully transferable, seminar-style course has been designed to help students maximize their effectiveness in the classroom and, in turn, enhance their entire college experience. In The Learner's Journey, students develop their critical thinking, reading and writing skills; acquire valuable strategies for analyzing course content and for expressing themselves more confidently and effectively; improve their writing, presentation, collaboration and research skills; and learn to make connections between courses in different disciplines. Through readings, discussions and active participation, students take ownership of their education and find their voices as learners in a higher education environment.

LIBA 1010 - Cooperative Work Experience I (4 Credits)
Cooperative work experience provides students with an opportunity to observe and participate in a work environment related to their academic interests or explore advancement in their current career. Students work approximately 15 to 20 hours a week at an approved site for competitive wages and participate in a one-hour and 40-minute weekly seminar on campus or online. Students must contact the Career and Internship Office at 401-825-2050 or 401-333-7254 before they register. Note: LIBA 1010 is for students in Allied Health, Chemical Technology, Computer Science, Engineering, Fine Arts, Fire Science, General Studies, Human Service, Industrial Technology, Liberal Arts, Nursing, Paralegal Studies and Law Enforcement. Work placement: 195 hours; Seminar: 25 hours

LRCT (LIBRARY)

LRCT 1010 - Introduction to College Research (1 Credit)
This course introduces students to online strategies for locating and evaluating articles, books and Web resources. Students learn to cite their sources according to standard scholarly formats. Lecture: 1 hour, Lab: 1 hour

LRCT 1015 - College Research (3 Credits)
College Research expands students' knowledge of various types and formats of information resources. Students learn information literacy skills, including advanced search techniques and evaluation of resources. Students also gain a greater understanding of issues associated with the ethical use of information. Students demonstrate the application of learned skills in research for class assignments, as well as for personal and professional research needs. Lecture: 3 hours

LRCT 1020 - College Success (3 Credits)
This course will give new students practical tips and strategies that will help them succeed in college. Emphasis is on attitude, study habits, time and stress management. In a setting of active and collaborative learning, students are engaged in a variety of instructional experiences, including discussions, with reading, speaking, writing and listening assignments. The course will require the creation of a personal success plan that will include educational and career goals and will introduce and make use of the college's resources and personnel. Lecture: 3 hours

MATH (MATHEMATICS)

Math Placement Test
Math placement tests are required of all students who wish to enroll in their first math course at CCRI. Students are required to take the placement test either before or at the beginning of the semester in which they wish to take their first math course. Students who are not enrolled in a math course but want to plan for the future are encouraged to take the placement test during the semester prior to enrolling in a math course.

Placement test preparation assistance is available at www.ccri.edu/advising/new_students/placement.html.

Note: Developmental math courses are designed to build/refresh basic mathematical skills which provide the necessary background for college-level mathematics courses. All students must demonstrate mental calculation skills and mastery of course content to complete the courses successfully.

College-level math courses require the use of mental calculation skills since each course builds upon the material learned in the prerequisite courses.

Students with a documented disability should meet with a representative from the Office of Disability Services for Students. CCRI will make modifications to academic requirements where appropriate and provide the necessary accommodations to ensure accessibility. The institution cannot, however, make modifications that would substantially change the essential elements of the curriculum. While striving to meet the individual needs of all students, CCRI reserves the right to set and maintain academic standards for performance and personal conduct.
MATH (MATHEMATICS)

MATH 0500 - Fundamentals of Mathematics (3 In-house Credits*)
This course provides students with a thorough foundation in the topics of whole numbers, fractions, decimals, ratios and proportions, percents, geometric figures and measurement. (Prerequisite: An ACCUPLACER arithmetic score of 35 or higher is required; and completion of, or concurrent enrollment in, ENGL 0850 earning a grade of “C” or better; or, placement into ENGL 0890 or higher. Offered in lab and lecture formats.) See Important Information box on page 233. Lecture: 3 hours

MATH 0600 - Elementary Algebra (3 In-house Credits*)
This course in basic algebra introduces the real number system, properties for solving linear equations and inequalities, formula rearrangement, properties of and operations with polynomials, basic factoring, quadratic equations, operations with rational expressions, roots and radicals, graphs of linear equations and the Pythagorean Theorem. (Prerequisite: MATH 0500; Offered in lab and lecture formats.) See Important Information box on page 233. Lecture: 3 hours

MATH 0700 - Geometry (3 In-house Credits*)
This course is designed for students with no previous exposure to the subject or who are in need of review. Focus is on traditional topics of Euclidean geometry with proofs and constructions. If time permits, additional material on logic or analytic geometry may be presented. (Prerequisite: MATH 0600) See Important Information box on page 233. Lecture: 3 hours

MATH 1200 - College Algebra (3 Credits)
Designed for students who plan to study quantitative business analysis or calculus eventually, this course covers functions and graphs; systems of equations and inequalities; quadratic equations; polynomial and rational expressions; radical, exponential and logarithmic forms. (Prerequisite: MATH 0600; Not recommended for those receiving a grade below “B” in MATH 0600. Offered in lab and lecture formats.) See Important Information box on page 233. Lecture: 4 hours

MATH 1210 - College Trigonometry (3 Credits)
Designed for students who plan to study calculus eventually, this course deals with trigonometry from an analytical approach. Topics include relations and functions in general, the trigonometric functions and their inverses, graphs, solutions of triangles, vectors, trigonometric identities and equations, and applied problems. (Prerequisite: MATH 1200; Offered in lab and lecture formats.) See Important Information box on page 233. Lecture: 4 hours

MATH 1420 - Introduction to College Mathematics (3 Credits)
Covering the development of the real number system and the fundamental concepts of algebra and geometry, this course is suitable for prospective elementary school teachers or anyone desiring an introduction to college mathematics. (Prerequisite: Placement in ACCUPLACER grid 2 or MATH 0500 with a grade of “C” or better or MATH 0600 with a grade of “C” or better.) See Important Information box on page 233. Lecture: 3 hours

*In-house credits cannot be applied toward graduation requirements.
MATH 1430 - Mathematics for Liberal Arts Students (3 Credits)
This course deals with the fundamentals of logic, set theory, probability and statistics. (Prerequisite: MATH 0600 or MATH 1420; Offered in lab and lecture formats.) See Important Information box on page 233. Lecture: 3 hours

MATH 1450 - Development of the Number System (3 Credits)
Topics covered in this course include ancient numeration systems; bases; modulo arithmetic; set theoretical and historical development of our number system including natural numbers; integers; rational, irrational, imaginary and complex numbers (with operations and computation within each system); groups and fields; and elementary number theory (basic proofs, divisibility rules, Pythagorean studies, Fermat and Mersenne numbers). Note: Recommended for future teachers. (Prerequisite: MATH 1430) See Important Information box on page 233. Lecture: 3 hours

MATH 1470 - Topics in Mathematics (3 Credits)
This course is designed primarily for the Liberal Arts student who does not plan to pursue any continuing mathematics program. Each semester, different sections focus on different topics and are announced in the online course listing published each semester. The depth of the material is similar to that of MATH 1450. Note: This course may be repeated for credit with a change of topic. (Prerequisite: MATH 1430) See Important Information box on page 233. Lecture: 3 hours

MATH 1472 - History of Mathematics (3 Credits)
This course traces the development of mathematical thought through history. Topics include mathematicians, primitive number systems and algorithms, early formulas for area and volume, proofs of theorems, pi, the golden ratio, the development of advanced mathematics, the computer, calculus, network theory and non-Euclidean geometries. Note: Recommended for future teachers. (Prerequisite: MATH 1430) See Important Information box on page 233. Lecture: 3 hours

MATH 1475 - Statistics for the Social Sciences (3 Credits)
Statistical procedures required for the analysis of data are explored using data acquired from such fields as medicine, social work, biology, education and business, and employing statistical packages as a tool. (Prerequisite: Placement in ACCUPLACER Grid 3 or MATH 0600 with a grade of “C” or better or MATH 1420 with a grade of “C” or better.) See Important Information box on page 233. Lecture: 3 hours

MATH 1510 - Scientific Programming (3 Credits)
This course offers instruction in scientific programming using a current programming language. Problems, both numerical and non-numerical, are programmed and solved by use of a mainframe and/or personal computers. (Prerequisite: MATH 1200 or 1700) See Important Information box on page 233. Lecture: 3 hours, Lab: 1 hour

MATH 1550 - Statistical Analysis I (3 Credits)
An introduction to elementary statistics, this course covers methods used in the collection, presentation, analysis and interpretation of data. Topics include frequency distributions, measures of central tendency and dispersion and sampling, with emphasis on estimation and hypothesis testing. (Prerequisite: MATH 1200 or 1700) See Important Information box on page 233. Lecture: 4 hours

MATH 1560 - Statistical Analysis II (3 Credits)
This course includes a study of simple and multiple linear regression, curvilinear regression, correlation analysis, basic designs of experiments, analysis of variance and an introduction to the concepts of time series and index numbers. A statistical package is used in the development and application of topics. (Prerequisite: MATH 1550) See Important Information box on page 233. Lecture: 3 hours

MATH 1600 - Business Mathematics (3 Credits)
The application of elementary mathematics to business and retail situations is discussed. Topics include bank services, taxes, simple interest, compound interest, commercial discounts, markup and markdown. (Prerequisite: MATH 0500; Offered in lab, lecture and distance learning formats.) See Important Information box on page 233. Lecture: 3 hours

MATH 1620 - Mathematics of Finance (3 Credits)
Topics covered in depth the topics of simple interest, bank discount, compound interest and annuities, including amortization and sinking funds. (Prerequisite: MATH 0600 or 1600) See Important Information box on page 233. Lecture: 3 hours

MATH 1670 - Quantitative Business Analysis I (3 Credits)
The purpose of this course is to develop the quantitative methods needed to solve various problems in business and economics. Topics include functions and graphs, systems of linear equations, linear programming, matrices and determinants, logarithmic and exponential functions, and the mathematics of finance. (Prerequisite: MATH 1200) See Important Information box on page 233. Lecture: 3 hours

MATH 1680 - Quantitative Business Analysis II (3 Credits)
Differential and integral calculus are developed with special emphasis on practical applications to business and economics. See Important Information box on page 233. (Prerequisite: MATH 1670) Lecture: 3 hours

MATH 1700 - Algebra for Technology (3 Credits)
Topics considered in this course include linear equations and their graphs, systems of linear equations, quadratic equations, algebraic fractions, exponents, radicals and logarithms. (Prerequisite: MATH 0600; Offered in lab and lecture formats.) See Important Information box on page 233. Lecture: 4 hours

MATH 1710 - Trigonometry for Technology (3 Credits)
This course covers application of the trigonometric functions and their graphs, the solution of triangles, vectors, complex numbers, trigonometric identities and equations, and applied geometric problems. (Prerequisite: MATH 1700; Offered in lab and lecture formats.) See Important Information box on page 233. Lecture: 4 hours

MATH 1750 - Applied Technical Mathematics I (3 Credits)
This course is the first semester of a two-semester sequence covering the essentials of applied technical mathematics. Topics include the basics of working with numerical data, plane and solid geometric shapes, an introduction to functions and their graphs, factoring, operations with algebraic fractions, quadratic equations with real roots, an introduction to the trigonometric functions of acute angles, solving problems involving right triangles, expressions involving rational exponents and base ten logarithms. (Prerequisite: MATH 0600 with grade of “C” or better) See Important Information box on page 233. Lecture: 4 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
MATH 1760 - Applied Technical Mathematics II (3 Credits)
This course is the second semester of a two-semester sequence covering the essentials of applied technical mathematics. Topics include graphing linear equations, solving systems of linear equations, using trigonometry to solve problems involving vectors, graphical analysis of waveforms, working with radical expressions, the complex numbers and their application to AC circuits, an introduction to statistics and some miscellaneous topics involving nonlinear equations. (Prerequisite: MATH 1750) See Important Information box on page 233. Lecture: 4 hours

MATH 1900 - Pre-Calculus Mathematics (4 Credits)
Functions and their graphs are discussed with particular attention paid to polynomial, rational, trigonometric, exponential and logarithmic functions. Determinants, matrices, complex numbers and analytic geometry also are studied. (Prerequisite: MATH 1200 and 1210; Offered in lab and lecture formats.) See Important Information box on page 233. Lecture: 4 hours

MATH 1910 - Calculus I (4 Credits)
This course covers the calculus of logarithmic, exponential, trigonometric, inverse trigonometric and hyperbolic functions. Some methods of integration are covered, including integration by parts and numerical methods. L'Hospital’s rule, improper integrals, infinite series and the calculus in polar coordinates also are introduced. (Prerequisite: MATH 1910) See Important Information box on page 233. Lecture: 4 hours

MATH 2500 - Applications in Science and Math (1 Credit)
This capstone course is intended for students in their final semester of the Science program. It allows students an opportunity to demonstrate an integration of knowledge and abilities acquired in previous science and mathematics courses with the added intent of developing new insights. Students read selected articles, such as those that come from scientific journals, in a variety of fields and then have the opportunity to collaborate with their peers and hone writing, synthesis and presentation skills in a seminar setting. (Prerequisite: Successful completion of a minimum of 21 general education credits and a minimum of 18 Science credits or permission of instructor) See Important Information box on page 233. Lecture: 2 hours

MATH 2910 - Calculus III (4 Credits)
This course covers the calculus of three-dimensional space, including partial derivatives, multiple integrals and the calculus of vector-valued functions. (Prerequisite: MATH 1920) See Important Information box on page 233. Lecture: 4 hours

MATH 2990 - Advanced Engineering Mathematics (4 Credits)
This course covers first-order ordinary differential equations, second-order linear differential equations, Laplace transforms and power series solutions. A unit on applied linear algebra also is included. (Prerequisite: MATH 2910) See Important Information box on page 233. Lecture: 4 hours

MEDL (ADMINISTRATIVE OFFICE TECHNOLOGY)

MEDL 2350 - Medical Terminology (2 Credits)
This course introduces medical, diagnostic, symptomatic and surgical terms. Literal definitions and spelling are stressed. Lecture: 2 hours

MEDL 2360 - Medical Document Processing (2 Credits)
This course acquaints the medical administrative secretaries/assistants with formatting and editing skills needed for processing medical documents that are commonly part of their work environment. A job simulation project is the basis for these applications and is completed using Microsoft Word. Students continue to develop their keyboarding speed and accuracy. The keyboarding speed needed to pass this course is 30-55 wpm. (Prerequisite or corequisite: OFTD 1220 or permission of instructor) Lecture: 2 hours, Lab: 1 hour, Fall only

MEDL 2380 - Medical Office Transcription I (3 Credits)
This course focuses on the skills a medical transcriptionist must possess in preparing for eventual employment in a private physician’s office, clinic or hospital. Emphasis is placed on the efficient production of case histories and physical examinations, radiological reports, X-rays, operative reports, pathology reports, discharge summaries and autopsy reports from pre-recorded dictation material. (Corequisite: OFTD 1220 or permission of instructor) Lecture: 2 hours, Lab: 2 hours, Fall only

MEDL 2390 - CPT Medical Insurance Coding (3 Credits)
This course familiarizes students with Current Procedural Terminology (CPT) codes and modifiers along with their corresponding unique descriptions. Topics include use of guidelines, notes, index, appendices and modifiers and AMA documentation guidelines to ensure correct coding. Office of Inspector General (OIG) compliance for individual and small group physicians’ practice also is included. (Corequisite: MEDL 2400, 2350) Lecture: 3 hours

MEDL 2400 - ICD-CM Medical Insurance Coding (2 Credit)
This course familiarizes students with International Classification of Diseases and Clinical Modification codes (ICD-CM). An overview of the Tabular List (Volume I) and the Alpha Index (Volume II) will include coding fundamentals and conventions. Various coding scenarios challenge small student groups to apply techniques learned to code claims. (Corequisite: MEDL 2350 or permission of instructor) Lecture: 2 hours

MEDL 2410 - Medical Insurance Billing (3 Credits)
This course prepares students for employment as medical insurance specialists in physicians’ offices and clinics. Topics include the claim process, inpatient and outpatient billing, procedural coding and billing requirements of various health care providers. Lecture: 2 hours, Lab: 1 hour

MEDL 2420 - Practical Applications in Professional Medical Coding (4 Credits)
This course advances the student’s knowledge of the Current Procedural Terminology (CPT), International Classification of Diseases (ICD), and Healthcare Common Procedure Coding (HCPC) code sets and
MLTC (CLINICAL LABORATORY TECHNOLOGY)

MLTC 1110 - Bacteriology (4 Credits)
The biological aspects of microbial structure, metabolism and growth are presented. Emphasis is on classification of microorganisms, mostly bacteria and identification of disease-producing organisms. (Prerequisite: Enrollment in Clinical Laboratory Technology program or department permission) Lecture: 2 hours, Lab: 4 hours

MLTC 1120 - Clinical Immunology/Serology (3 Credits)
This course covers basic theories of immunology, laboratory diagnosis of infectious diseases and diseases of the immune system. Students learn to perform basic serological techniques. Note: This course is a prerequisite for MLTC 1160. (Prerequisite: Enrollment in Clinical Laboratory Technology program or department permission) Lecture: 2 hours, Lab: 3 hours

MLTC 1130 - Phlebotomy for Clinical Laboratory Technicians I (5 weeks) (1 Credit)
This course covers principles of phlebotomy and specimen handling. Students perform venipuncture on training arms, venipuncture on adults, capillary punctures, blood film preparation, isolation techniques, blood donor site preparation and specimen processing. Note: This course is a prerequisite for MLTC 1930. (Prerequisite: Enrollment in Clinical Laboratory Technology program or department permission) Lecture: 2 hours, Lab: 2 hours

MLTC 1150 - Urinalysis (3 Credits)
The formation of urine and the principles of the laboratory procedures used in the physical, chemical and microscopic examination of urines are discussed. Normal values are presented and the significance of abnormal results explained. Complete urinalysis is performed in the training laboratory. Quality control in the urinalysis laboratory is stressed. (Prerequisite: Enrollment in Clinical Laboratory Technology program or department permission) Lecture: 2 hours, Lab: 2 hours

MLTC 1160 - Immunohematology (3 Credits)
This course covers red cell antigens and antibodies, antibody identification, cross-matching, donor processing and component therapy. Theory is presented in lecture and a laboratory experience enables students to apply these theories to routine laboratory procedures. (Prerequisite: MLTC 1120 or equivalent or department permission)

MLTC 1170 - Quality Assurance for Point of Care Laboratory Testing (5 weeks) (1 Credit)
This course is designed for health care workers who perform clinical laboratory tests that are 'waived' tests in a physician's office or medical care center. The course includes laboratory safety (OSHA regulations), quality control procedures to ensure quality assurance, a detailed discussion on CLIA '88 waived tests and instruction on the performance of these tests. Students are provided with the technical knowledge and skills required for competent performance of waived laboratory procedures with increased reproducibility accuracy and precision. (Prerequisite: Enrollment in Phlebotomy or Renal Dialysis program or department permission) Lecture: 2 hours, Lab: 2 hours

MLTC 1180 - Specimen Collection and Handling for Health Care Professionals (5 weeks) (1 Credit)
This course covers the principles of specimen collection and handling. National standards are presented. Various specimen collection techniques are introduced to the health care professional, with emphasis on the importance of a properly collected specimen. (Prerequisite: Second-year students enrolled in RESP, XRAY, ADNU or LPNU, RENL programs or department permission) Lecture: 2 hours, Lab: 2 hours

MLTC 1190 - Fundamentals of Clinical Chemistry (3 Credits)
This course introduces the analytical skills needed to correctly perform analytic procedures that yield accurate and precise information. Basic principles and practices of clinical chemistry are emphasized. Laboratory safety, quality control and statistics, analytical techniques and instrumentation are stressed. (Prerequisite: Enrollment in Clinical Laboratory Technology program or department permission) Lecture: 3 hours
MLTC 1210 - Introduction to Clinical Laboratory Science (3 Credits)
This course offers a basic introduction to the clinical laboratory. Current concepts and general principles of all areas connected with the medical laboratory field are explored. Students are introduced to selected basic techniques used in the clinical laboratory. Note: This course is open to any student interested in the field of clinical laboratory technology or can be used as a General Studies elective. Lecture: 2 hours, Lab: 2 hours

MLTC 1960 - Clinical Laboratory Information Systems (5 weeks) (1 Credit)
Workflow in the laboratory has been adjusted because of the introduction of the computer. This course is an introduction to data entry processing and retrieval of laboratory information. Specimen tracking is emphasized in this hands-on environment. (Corequisite: PHLE 1010) Lecture: 2 hours, Lab: 2 hours

MLTC 1970 - Clinical Laboratory Information Systems for CLT (2 weeks) (2 Credits)
This course provides students with the knowledge to perform laboratory procedures that require the use of a computer. Students learn to understand the basics of a system that delivers rapid and accurate reporting to caregivers and to understand the role that the regulatory agencies play in the laboratory information system. (Prerequisite: COMI 1100) Lecture: 2 hours, Lab: 2 hours

MLTC 2110 - Clinical Microbiology I (4 Credits)
Procedures for cultivation and identification of pathogenic microorganisms from clinical material are covered in this course. Additional topics such as antimicrobial susceptibility tests, quality control and automation in microbiology also are included. (Prerequisite: MLTC 1110 or equivalent) Lecture: 2 hours, Lab: 4 hours

MLTC 2120 - Hematology (4 Credits)
The study of the structure and function of blood and its role in health and disease is presented. Red blood cells, white blood cells and coagulation factors including platelets are observed and discussed. The classification of leukemias, anemias and other hematological disorders is studied. Development of skills in manual and automated laboratory procedures is stressed. Laboratory procedures include coagulation studies, manual and automated red blood cell, white blood cell and platelet counting and enumeration of special cells. Films of normal and abnormal peripheral blood are examined. Lecture: 2 hours, Lab: 6 hours

MLTC 2130 - Selected Topics in Clinical Laboratory Science (1 Credit)
This course is for individuals interested in maintaining proficiency in clinical laboratory medicine. It provides students with updated information, current trends and state-of-the-art methodology. Content covers selected areas of clinical laboratory science. (Prerequisite: Graduate technologist or permission of instructor) Lecture: 1 hour

MLTC 2190 - Clinical Chemistry I (5 Credits)
The basic principles of spectrophotometry and the diagnostic methods of analysis are presented. The study of protein, fat and carbohydrate metabolism, electrolyte and acid-base balance and enzymes and renal function procedures as they relate to diagnostic testing are stressed. Laboratory mathematics and quality control are discussed. Selected laboratory procedures including manual and automated quantitative analysis of serum, plasma and urine are performed. (Prerequisite: MLTC 1190 or department permission) Lecture: 3 hours, Lab: 6 hours

MLTC 2910 - Clinical Hematology (4 weeks) (4 Credits)
This course provides practical application of principles and techniques that have been previously learned. Students learn by doing actual testing at the bench with the same exposure to realistic conditions under which a technician works. (Prerequisite: MLTC 2120) Lab: 32 hours per week

MLTC 2920 - Clinical Hematology (4 weeks) (4 Credits)
This course provides practical application of principles and techniques that have been previously learned. Students learn by doing actual testing at the bench with the same exposure to realistic conditions under which a technician works. (Prerequisite: MLTC 2120) Lab: 32 hours per week

MLTC 2930 - Clinical Laboratory Science Seminar (2 Credits)
The course examines case studies as they relate to hematology, clinical chemistry, microbiology, urinalysis, immunohematology and immunology. Computer programs and audio-visual slides are used to enhance students' knowledge base. (Corequisite: MLTC 2910 or 2920 or 2990 or department permission) Lecture: 3 hours

MLTC 2990 - Clinical Chemistry II (4 weeks) (4 Credits)
This course provides practical application of principles and techniques that have been previously learned. Students learn by doing actual testing at the bench with the same exposure to realistic conditions under which a technician works. (Prerequisite: MLTC 2190) Lab: 32 hours per week

MRIC - MAGNETIC RESONANCE IMAGING CERTIFICATE

MRIC 2260 - Introduction to Magnetic Resonance Imaging (6 Credits)
This course provides students with a knowledge of MRI image production, including image acquisition and reconstruction. The selection of scan protocols will be related to anatomical region, patient history and physical condition. Attention is given to patient
Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
MUSC 1120 - The American Musical (3 Credits)
This course is a study of the American Broadway musical from 1870 to the present, including works by Kern, Rodgers and Hammerstein, Sondheim and Webber. Lecture: 3 hours

MUSC 1130 - String Class I (3 Credits)
This course is designed to develop the basic skills of playing the violin, viola, cello or double bass, including tone quality, intonation, technical facility, sight reading and basic performance. A limited number of instruments are provided by the department. No prior playing experience is necessary, but students must read music. (Prerequisite: MUSC 1010 or 1700 or permission of instructor) Lecture: 3 hours, Spring semester only

MUSC 1135 - String Class II (3 Credits)
This is a sequel to MUSC 1130 to improve basic playing skills and to acquaint students with a string instrument not studied in String Class I. (Prerequisite: MUSC 1130 or permission of instructor) Lecture: 3 hours, Spring semester

MUSC 1137 - Beginning Guitar Class (3 Credits)
This elective course is designed to introduce students to the fundamentals of music through a study of the guitar. Students with little or no experience on the instrument will learn the basics of rhythm, melody and harmony as well as learn to perform solo, duet and ensemble pieces in a class setting. The course will develop technical skills through scales and exercises, which are essential for performing chords, song accompaniments and folk melodies. In addition, basic music reading and writing will be learned throughout the semester. Also, students must supply their own non-electric instruments. No previous musical experience is required for this class. This beginning guitar course is not for the experienced guitarist. Lecture: 3 hours

MUSC 1140 - Piano Class I (2 Credits)
This course develops basic keyboard skills, including two-octave scales and chord progressions, improvisation of simple accompaniments and sight reading of easier selected pieces. (Prerequisite: MUSC 1140 or permission of instructor) Lecture: 4 hours

MUSC 1145 - Piano Class II (2 Credits)
A sequel to MUSC 1140, this course places emphasis on improving finger dexterity, hand coordination, pedalling techniques, sight reading, articulation and interpretive skills. (Prerequisite: MUSC 1140 or permission of instructor) Lecture: 4 hours

MUSC 1160 - Introduction to Music (3 Credits)
This course is designed to foster better understanding and appreciation of great music of the Western world. European and American musical styles, techniques and forms are presented from the listener’s standpoint. Lecture: 3 hours

MUSC 1165 - History of Rock (3 Credits)
This course covers the history of rock music, its diverse American influences, its emergence as a recognizable style in the 1950s and its symbiotic relationship with 20th century and contemporary society. Students will learn to become active listeners and to articulate the ways in which various compositional techniques and performance practices in rock music express aspects of the human condition. Lecture: 3 hours

MUSC 1170 - Music in Human Services and Education (3 Credits)
This course is designed to prepare Early Childhood Education, Social Services and Elementary Education students for teaching music in day care and retirement centers and the elementary classroom. Fundamental music skills are included to enable students to prepare and present music activities confidently. Students learn to use autoharp and rhythm band instruments for accompaniment purposes. Lecture: 3 hours

MUSC 1175 - Music Therapy and Geriatrics (3 Credits)
This is an introductory course on the field of Music Therapy and the benefits of using music as an intervention with a geriatric population. Students will learn how music and music-related activities can be utilized to connect with people who are living with age-related disorders. Topics will include the history of Music Therapy, the function of music, and how music is used by trained Music Therapists when working with an elderly population. Students will learn activities and strategies that can be utilized by health and human services professionals when working with an elderly population when a Music Therapist is not available. Lecture: 3 hours

MUSC 1180 - Jazz Ensemble (1 Credit)
This course is designed to provide singers an opportunity to perform in an ensemble while developing vocal technique, proper breath support, tone production, tongue placement, etc. Note: Four credits of this ensemble are counted toward the A.F.A. degree requirement. Further ensemble credits are counted as electives. (Prerequisite: Audition at first class meeting) Rehearsal: 2.5 hours

MUSC 1200 - Chamber Ensemble (Band) (1 Credit)
The course provides an opportunity for students to develop ensemble skills in a small group setting. Various combinations of winds, strings, piano and percussion are utilized. Note: Four credits of this ensemble are counted toward the A.F.A. degree requirement. Further ensemble credits are counted as electives. (Prerequisite: Moderate technical proficiency on an instrument and/or permission of instructor) Rehearsal: 2.5 hours

MUSC 1210 - Chorus (1 Credit)
This course is for a select group of singers who perform a variety of choral repertoire, including a cappella, polyphonic compositions and 20th century styles. Note: Four credits of this ensemble are counted toward the A.F.A. degree requirement. Further ensemble credits are counted as electives. (Prerequisite: Technical proficiency on an instrument and/or permission of instructor) Rehearsal: 3 hours

MUSC 1220 - Chamber Singers (1 Credit)
This course is for a select group of singers who perform a variety of choral repertoire, including a cappella, polyphonic compositions and 20th century styles. Note: Four credits of this ensemble are counted toward the A.F.A. degree requirement. Further ensemble credits are counted as electives. (Prerequisite: Technical proficiency on an instrument and/or permission of instructor) Rehearsal: 3 hours

MUSC 1231 - Orchestra (1 Credit)
This course includes the study and performance of standard and modern repertoire for the orchestra. It is open to qualified instrumentalists by audition. Course meets at Rhode Island College’s Nazarian Center. In addition to weekly rehearsals, attendance at dress rehearsal and performance dates (TBA) are required. Rehearsal: 2.5 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
MUSC 1700 - Music Theory I (3 Credits)
This course is designed for the student who has a foundational music theory background. This is a study of the organizing factors of music including scales, key signatures, intervals, triads with inversions, seventh chords with inversions, rhythm, meter, four-part structure and harmonization with primary triads. Basic keyboard assignments are included. (Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.)

MUSC 1710 - Sight Singing and Ear Training I (1 Credit)
This is a course in practical sight singing and ear training via solfeggio, to express and comprehend aurally the concepts studied in MUSC 1700 Music Theory I. (Prerequisite: Enrollment in Music/Jazz degree program or permission of Music faculty; Corequisite: MUSC 1710) Lecture: 3 hours, Fall semester

MUSC 1800 - Music Theory II (3 Credits)
A sequel to MUSC 1700, this course continues with the principles of four-part writing, seventh chords, chorale analysis, modulations and two-part counterpoint. Basic keyboard assignments are included. (Prerequisite: MUSC 1700 or permission of Music faculty; Corequisite: MUSC 1810) Lecture: 3 hours, Spring semester

MUSC 1810 - Sight Singing and Ear Training II (1 Credit)
A sequel to MUSC 1710, this course provides practical application of concepts studied in MUSC 1800. Special emphasis is placed on seventh chords and more complex rhythm studies. (Prerequisite: MUSC 1710 or permission of Music faculty; Corequisite: MUSC 1800) Lab: 2 hours, Spring semester

MUSC 2040 - Applied Music: Jazz-Rock Arranging (2 Credits)
This course is designed to introduce students to the skills required for arranging in the jazz and rock idioms. Topics include instrumental characteristics, writing for winds and rhythm sections, multi-part writing and analysis of works by significant arrangers. Student projects include the preparation of two arrangements for jazz ensemble. (Prerequisites: MUSC 1800 and 1810) Private lesson: 1 hour per week by appointment. Applied Music Fee to be paid to the bursar after registering for the course. See page 12 for more information. Contact the Performing Arts Department for information and to apply.

MUSC 2070 - Jazz Harmony I (2 Credits)
This course is designed to introduce students to theoretical analysis and aural recognition in the jazz idioms. Topics include chord construction and identification, sight singing and ear training. (Prerequisites: MUSC 1800 and 1810) Lecture: 2 hours, Fall semester

MUSC 2080 - Jazz Harmony II (2 Credits)
This course is designed to develop further understanding of theoretical analysis and aural recognition in the jazz idioms. Topics include modal harmony, reharmonization, sight singing and ear training. (Prerequisite: MUSC 2070) Lecture: 2 hours, Spring semester

MUSC 2090 - Jazz Improvisation I (3 Credits)
This course introduces students to the skills required for jazz improvisation. Topics include chord progressions, scales, modes and the analysis and creation of melodic lines. Musical performance is emphasized. (Prerequisite: MUSC 1800 and 1810) Lecture: 3 hours, Fall semester

MUSC 2100 - Jazz Improvisation II (3 Credits)
This course is designed to further develop students’ improvisational skills. Topics include complex chords, modes of the melodic minor scale and performing standard works in all keys. (Prerequisite: MUSC 2090) Lecture: 3 hours, Spring semester

MUSC 2700 - Music Theory III (3 Credits)
This course involves further study of musical organization to include 18th century polyphony, augmented and Neapolitan sixth chords, borrowed chords and instrumental forms of the 18th and 19th centuries. Basic keyboard assignments are included. (Prerequisite: MUSC 1800 or permission of Music faculty; Corequisite: MUSC 2710) Lecture: 3 hours, Fall semester

MUSC 2710 - Sight Singing and Ear Training III (1 Credit)
This course offers a practical aural and vocal study of the concepts presented in MUSC 2700 with particular emphasis upon nondiatonic pitches and modulation. (Prerequisite: MUSC 1810 or permission of Music faculty; Corequisite: MUSC 2700) Lab: 2 hours, Fall semester

MUSC 2720 - Applied Music: Composition (2 Credits)
This course provides students the opportunity to study music composition on an individual basis with a private instructor. Students pursue either jazz or classical styles beginning with melodic organization, through various tonal concepts, including counterpoint, harmonization, form and instrumentation. Semester projects are presented in written score and performance. (Prerequisite: MUSC 2700 or 2070, plus MUSC 1140 – Piano Class I or equivalent) Private lesson: 1 hour per week by appointment. Applied Music Fee to be paid to the bursar after registering for the course. See page 12 for more information. Contact the Performing Arts Department for information and to apply.

MUSC 2800 - Chromatic and Modern Music Theory IV (3 Credits)
A sequel to MUSC 2700, this course covers topics from the late Romantic period through Impressionism and the 20th century. It offers a continuation of forms, extension of pitch organization, to include serialism, aleatory, sound mass, electronic synthesis, MIDI and minimalism. Basic keyboard assignments are included. (Prerequisite: MUSC 2700 or permission of Music faculty; Corequisite: MUSC 2810) Lecture: 3 hours, Spring semester

MUSC 2810 - Sight Singing and Ear Training IV (1 Credit)
This is a practical aural and vocal study of the advanced concepts presented in MUSC 2800 – Chromatic and Modern Music Theory IV. (Prerequisite: MUSC 2710 or permission of Music faculty; Corequisite: MUSC 2800) Lab: 2 hours, Spring semester

MUSC - Applied Music for Majors (2 Credits)
This course provides private music instruction on a principal instrument or in principal voice for Music majors. Instruction is offered in classical music or jazz (one hour-long lesson per week) for students already proficient in playing an instrument or singing. Ability to read music is required. All students registered for principal applied music are required to perform in a student recital at least once per semester. Admission to any of the applied music courses is by audition only. Students are assigned to CCRI Music faculty. (Prerequisite: College freshman
ability in playing an instrument or singing, as demonstrated in an audition); Applied Music fee to be paid to the bursar after registering for the course. See page 12 for more information. Contact the Performing Arts Department for detailed audition information and dates, and to apply.

Bassoon 1380, 1390, 2380, 2390
Clarinet 1360, 1370, 2360, 2370
Flute 1320, 1330, 2320, 2330
French Horn 1420, 1430, 2420, 2430
Guitar 1620, 1630, 2620, 2630
Oboe 1340, 1350, 2340, 2350
Organ 1520, 1530, 2520, 2530
Perussion 1480, 1490, 2480, 2490
Piano 1500, 1510, 2500, 2510
Saxophone 1600, 1610, 2600, 2610
String/Electric Bass 1300, 1310, 2300, 2310
Trombone 1440, 1450, 2440, 2450
Trumpet 1400, 1410, 2400, 2410
Tuba/Euphonium 1460, 1470, 2460, 2470
Viola 1260, 1270, 2260, 2270
Violin 1240, 1250, 2240, 2250
ViolaCello 1280, 1290, 2280, 2290
Voice 1540, 1550, 2540, 2550

NURS (NURSING)
Nursing courses for students admitted prior to Fall of 2016. See page 130 for previous Curriculum.

NURS 1010 - Nursing I (10 Credits)
This course is designed to introduce the Nursing student to basic human needs, concepts of nursing care and basic nursing skills. The content is organized within the nursing process framework utilizing accepted nursing diagnoses. Caring and mental health concepts are integrated in Nursing I. Students apply theory in clinical practice, a major focus of which is care of the elderly in subacute care facilities. Students have clinical experience with the application of foundational concepts and basic psychomotor skills occurs in the nursing clinical experiences. (Prerequisites: BIOL 1010, ENGL 1010, PSYC 2010) Lecture: 4 hours per week, Clinical: 6 hours per week

NURS 1015 - Gerontological Nursing (2 Credits)
This course introduces the student to the role of the professional nurse, including legal and ethical standards. Students will learn how to assess and provide safe, evidence-based interventions to meet basic patient needs using the nursing process, with an emphasis on the older adult. Application of foundational concepts and basic psychomotor skills occurs in the nursing clinical experiences. (Prerequisites: BIOL 1010, ENGL 1010, PSYC 2010, Humanities Elective; Corequisites: NURS 1015 - Gerontological Nursing, NURS 1060) Lecture: 2 hours per week

NURS 1020 - Nursing II (11 Credits)
Building upon the basic concepts and skills taught in NURS 1010, this course continues to develop a foundation for the student to utilize the nursing process in caring for adult patients. Incorporating Maslow’s Hierarchy of Needs, attention is directed to the psychological, psychosocial, spiritual, cultural, legal and ethical aspects of patient care. Emphasis is placed on the patient’s response to common and less complex medical-surgical disorders. Attention also is directed toward the nurse’s role in all phases of health promotion. A variety of medical-surgical facilities are utilized for clinical learning experiences. (Prerequisites: NURS 1010, PSYC 2010) Lecture: 6 hours, Lab: 15 hours

NURS 1030 - Nursing III (12 Credits)
(This is the completion course for students who wish to qualify as practical nurses. Utilizing the nursing process and Maslow’s Hierarchy of Needs, this course introduces the practical nurse (PN) student to the needs of the family in adapting to life in a changing society. Students are taught basic knowledge of the reproductive process and care of the individual during the antepartal, intrapartal and postpartal periods. Content includes care of the mother during a normal pregnancy and care of the normal newborn. Care of the developing child and family member with maladaptive physical or psychological responses is stressed. Basic knowledge of the leadership role for the PN is presented. Caring is integrated throughout the course content. Consideration is given to the physical, emotional and psychosocial aspects of the individual and family. The role of the practical nurse as a health team member is stressed throughout the course. Students have clinical experience with mother, pediatric, psychiatric and geriatric patients. (Prerequisite: NURS 1020 with a grade of “D” or better) Lecture: 7 hours, Lab: 15 hours

NURS (NURSING)
Nursing courses for students entering in all 2016 and after. See page 134 for new Curriculum.

Corequisites for NEW Nursing Curriculum: Course must be taken within the same semester.

NURS 1010 - Foundations of Nursing Practice (6 Credits)
This course will introduce the student to the role of the professional nurse, including legal and ethical standards. Students will learn how to assess and provide safe, evidence-based interventions to meet basic patient needs using the nursing process, with an emphasis on the older adult. Application of foundational concepts and basic psychomotor skills occurs in the nursing clinical experiences. (Prerequisites: BIOL 1010, ENGL 1010, PSYC 2010, Humanities Elective; Corequisites: NURS 1015 - Gerontological Nursing, NURS 1060) Lecture: 4 hours per week, Clinical: 6 hours per week

NURS 1015 - Gerontological Nursing (2 Credits)
This course introduces the student to the role of the professional nurse, including legal and ethical standards. Students will learn how to assess and provide safe, evidence-based interventions to meet basic patient needs using the nursing process, with an emphasis on the older adult. Application of foundational concepts and basic psychomotor skills occurs in the nursing clinical experiences. (Prerequisites: BIOL 1010, ENGL 1010, PSYC 2010, Humanities Elective; Corequisites: NURS 1015 - Gerontological Nursing, NURS 1060) Lecture: 2 hours per week

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
NURS 1020 - Medical-Surgical Nursing I A (3 Credits)

This introductory, concept-based medical/surgical nursing course will focus on the acquisition of knowledge and psychomotor skills necessary for delivering safe, evidence-based nursing care to adults in a variety of clinical settings. The emphasis of this course will be on common acute and chronic health problems of protection, oxygenation, perfusion, mobility and sexuality. (Prerequisites: BIOL 1010, 1020, NURS 1010 - Foundations of Nursing Practice, NURS 1015, 1061; Corequisites: NURS 1021, 1023, 1062. Note: MED-SURG I A and MED-SURG I B do not have to be taken sequentially during the semester.) Lecture: 4.5 hours per week, Clinical: 13.5 hours per week over 5 weeks.

NURS 1021 - Medical-Surgical Nursing I B (3 Credits)

This introductory, concept-based medical/surgical nursing course will focus on the acquisition of knowledge and psychomotor skills necessary for delivering safe, evidence-based nursing care to adults in a variety of clinical settings. The emphasis of this course will be on common acute and chronic health problems of cognition, sensation, nutrition, elimination and metabolism. (Prerequisites: BIOL 1010, 1020, NURS 1010 - Foundations of Nursing Practice, NURS 1015, NURS 1061; Corequisites: NURS 1021, 1023, 1062. Note: NURS 1020 - Medical Surgical Nursing I A and NURS 1021 - Medical-Surgical Nursing I B do not have to be taken sequentially during the semester.) Lecture: 4.5 hours per week, Clinical: 13.5 hours per week over 5 weeks.

NURS 1023 - Mental Health Nursing (3 Credits)

In this course, the student will acquire a basic knowledge of the causes, treatment, prevention and patient-centered nursing care for common and severe mental health problems across the life span. Emphasis is placed on application of therapeutic communication techniques, psychosocial assessment skills, and the nursing process with an integration of ethical and legal concepts. (Prerequisites: NURS 1010 - Foundations of Nursing Practice, NURS 1015, 1061; Corequisite or prerequisite PSYC 2030) Lecture: 6 hours per week, Clinical: 9 hours per week over 5 weeks.

NURS 1061 - Pharmacology I (1 Credit)

This course begins the nursing student’s education on the basic principles of pharmacology, establishing a knowledge base that applies to the various routes of medication administration. An emphasis is placed on the nursing role in safe dosage calculation and medication administration. (Prerequisites: BIOL 1010, ENGL 1010, PSYC 2810, MATH 0500 with a minimum grade of “B” or ACC-UPLACER Arithmetic Test with a minimum score of 65. Corequisite: NURS 1010 - Foundations of Nursing Practice, NURS 1015) Lecture: 1 hour per week.

NURS 1062 - Pharmacology II (1 Credit)

This course builds on the basic principles of pharmacology, progressing to include major classes of drugs that are used in the nursing management of patients with commonly occurring physical and mental health problems. (Prerequisites: NURS 1061; Corequisites: NURS 1020, 1021, 1023) Lecture 1 hour per week.

NURS 1063 - Pharmacology III (1 Credit)

This course focuses on the role of the professional nurse in the administration of drugs used in the management of patients with complex multisystem health problems across the lifespan. (Prerequisites: NURS 1061, 1062) Lecture: 1 hour per week.

NURS 2040 - Medical-Surgical Nursing II (5 Credits)

This intermediate-level medical/surgical course will expand on concepts presented in prior courses, with an emphasis on application of professional nursing judgment to care for patients with complex acute medical/surgical conditions. Students will learn to prioritize and manage evidence-based care for 1–2 patients. (Prerequisites: NURS 1020, 1021, 1023, 1062) Corequisites: NURS 1063, 2050) Lecture: 6 hours per week, Clinical: 12 hours per week over 7.5 weeks.

NURS 2050 - Maternal-Child Health (6 Credits)

Building on concepts learned in previous courses, the emphasis of this course is on utilizing evidence-based nursing judgment to assist the new family in achieving optimal levels of health during the childbearing and childrearing years in a variety of clinical settings. (Prerequisites: NURS 1020, 1021, 1023, 1062; Corequisites: NURS 1063, 2040) Lecture 8 hours per week, Clinical 12 hours per week over 7.5 weeks.

NURS 2060 - Medical-Surgical Nursing III (6 Credits)

This advanced-level medical/surgical course builds on and emphasizes analysis and synthesis of theory from prior nursing courses. Students will learn to apply professional nursing judgment to the care of patients with emergent and/or multisystem health problems. An emphasis is placed on managing care and collaborating with an interdisciplinary team for multiple patient assignments. (Prerequisites: NURS 1063, 2040, 2050) Lecture: 8 hours per week, Clinical 12 hours per week over 7.5 weeks.

NURS 2500 - Capstone Course (3 Credits)

In this course, students will synthesize acquired knowledge and have the opportunity to apply that knowledge in a clinical immersion experience. Students will examine and apply an understanding of professional nursing standards, ethical problem-solving, evidence-based practice, and a commitment to lifelong learning. The clinical experience will provide opportunities for teamwork and collaboration in managing care for groups of patients, develop leadership skills, and participate in quality improvement activities. (Prerequisites: Successful completion of all nursing course prerequisites and nursing courses.) Lecture: 1 hour per week, Clinical: 12 hours per week over 7.5 weeks.

OCEN (oceanography)

OCEN 1010 - Introduction to Oceanography (3 Credits)

This course is a study of the marine environment describing principles of physical, chemical, biological and geological oceanography. Topics include the origin of oceans; the composition and history of seawater; oceanic currents, tides, waves and beaches; the sea floor; plant and animal life in the sea; oceanic resources and food; and marine pollution. Note: Completion of both OCEN 1010 and OCEN 1030 will satisfy one laboratory science requirement in the Liberal Arts and General Studies programs. Lecture: 3 hours.

OCEN 1020 - Applied Oceanography (3 Credits)

This course covers ocean resources; minerals and fossil fuels and marine mining; offshore petroleum exploration, operation and development; and alternative energy resources from the oceans. It also explores geological and geophysical techniques including satellite observation and remote sensing.
of the oceans; subsurface and aerial maps and photos; and hydrographic charts and geochemical techniques of ascertaining the quality of sea water. Oceanic problems on national, state and local levels are examined at greater depth. Narragansett Bay is used as the case study. Lecture: 3 hours

OCTA 1030 - Oceanography Laboratory (1 Credit)
This lab course emphasizes topics covered in OCTA 1010 (Introduction to Oceanography) such as ocean life, sediments, salinity, currents and plate tectonics. It allows a more hands-on approach to learning. Note: Completion of both OCTA 1010 AND OCTA 1030 will satisfy one laboratory science requirement in the Liberal Arts and General Studies programs. Lab: 2 hours

OCTA (OCCUPATIONAL THERAPY ASSISTANT)

OCTA 1000 - Introduction to Occupational Therapy (2 Credits)
This course provides an overview of occupational therapy that includes the history, philosophy and theoretical foundations of the profession, as well as current issues in the field. Topics include treatment models; factors contributing to health, wellness and dysfunction; and the impact of multicultural factors in treatment. The relationship of the certified occupational therapy assistant to other health professionals is explored. Professional standards and ethics are addressed, including state regulations, credentialing requirements and membership in professional organizations. Lecture: 2 hours (2.5 hours in summer session due to condensed time frame)

OCTA 1010 - Fundamentals of Treatment I (4 Credits)
The student will study and practice the administration of standardized evaluation procedures and nonstandardized tests used by occupational therapists to assess task performance. The student will learn to administer sensory evaluation, coordination testing and hand and pinch strength. The student will learn how to collaborate with an OTR to utilize results from testing in the design and application of adaptive equipment, fabrication of splints, and therapeutic seating and positioning of the client. (Corequisites: RHAB 1030 and OCTA 1070) Lecture: 3 hours, Lab: 3 hours

OCTA 1030 - Fundamentals of Treatment II (4 Credits)
This course approaches the concept of activity analysis through the definition of occupational performance areas, task components and occupational challenges. Individual and group activities are analyzed and graded in the context of relevant occupational environments. (Prerequisites: OCTA 1010 and 1070; RHAB 1030 and 1110; Corequisites: OCTA 1040, 1050, 1060 and 1080) Lecture: 3 hours, Lab: 3 hours

OCTA 1040 - Gerontologic Occupational Therapy (3 Credits)
This course examines the aging process and offers an overview of medical conditions and precautions associated with treatment of the elderly client. Treatment strategies are practiced in the laboratory setting. (Prerequisites: OCTA 1010 and 1070; RHAB 1030 and 1110; Corequisites: OCTA 1030, 1050, 1060 and 1080) Lecture: 2 hours, Lab: 2.5 hours

OCTA 1050 - Pediatric Occupational Therapy (4 Credits)
This course examines the physical and social needs of the growing child and explores their impact on the learning and adaptation processes that accompany the development of performance skills. It includes an overview of diseases and disabilities that may affect children seen in early intervention, school-based, out-patient and hospital settings. This course includes theory and practice relating to these populations. (Prerequisites: OCTA 1010 and 1070; RHAB 1030 and 1110; Corequisites: OCTA 1030, 1040, 1060 and 1080) Lecture: 3 hours, Lab: 3 hours

OCTA 1060 - Level I Fieldwork (1 Credit)
The student will participate in a minimum of 35 hours of clinical observation and selected practice of occupational therapy skills and processes. Each student will complete observation at two clinical sites. Emphasis is on experiential learning and development of clinical reasoning skills as well as the development of professional behaviors. (Prerequisites: OCTA 1010 and 1070; RHAB 1030 and 1110; Corequisites: OCTA 1030, 1040, 1050 and 1080) Clinical: 35 hours

OCTA 1070 - Tests and Measurements for Occupational Therapy Assistants (2 Credits)
This course focuses on the methodology for joint measurement and manual muscle testing. Emphasis is placed on the study of the upper extremities. (Prerequisite: RHAB 1110; Corequisites: OCTA 1010; RHAB 1030) Lecture: 1 hour, Lab: 2 hours

OCTA 1080 - Therapeutic Activity Group Skills (2 Credits)
Therapeutic activity groups are frequently used in physical rehabilitation facilities, nursing homes, mental health programs and wellness programs. This course provides students with an opportunity to explore the use of group activity for therapeutic effect. There is an emphasis on occupational therapy framework and theory in designing groups. (Prerequisites: RHAB 1030 and 1110; OCTA 1010 and 1070; Corequisites: OCTA 1030, 1040, 1050 and 1060) Lecture: 1 hour, Lab: 1 hour

OCTA 2010 - Psychosocial Occupational Therapy (4 Credits)
This course reviews psychiatric disorders and the interdisciplinary approach to the treatment of conditions commonly exhibited in clients referred to occupational therapy in a mental health setting. Topics of discussion include clinical description and etiology of mental health diagnoses; use of the clinical team; legal issues; nomenclature; and alternatives to hospitalization, including outpatient programs, supervised living apartments, group homes and case management. Use of therapeutic groups and 1:1 interventions and treatment are practiced in lab. (Prerequisites: OCTA 1010, 1030, 1040, 1050, 1060 and 1080; RHAB 1030 and 1110; Corequisite: OCTA 2020) Lecture: 3 hours, Lab: 3 hours

OCTA 2020 - Physical Rehabilitation and Health (4 Credits)
This course teaches techniques for management of physical dysfunction cases typically referred to occupational therapy. Topics include screening, evaluation, treatment planning and implementation, interventions, and prevention techniques as utilized by occupational therapy assistants in a variety of clinical settings. Supervision concepts and reimbursement systems are discussed.

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
**OCTA 2040 - Occupational Therapy Assistant Fieldwork Seminar**  
(2 Credits)  
*Prerequisites: OCTA 1010, 1030, 1040, 1050, 1060, 1070, 1080, 2010 and 2020; RHAB 1030 and 1110; Corequisite: OCTA 2010) Lecture: 3 hours, Lab: 3 hours

**OCTA 2030 - Occupational Therapy Assistant Fieldwork II A (4 Credits)**  
This course is an eight-week placement in a clinical site. Under the supervision of licensed occupational therapists, students apply clinical reasoning skills which they have learned in the Occupational Therapy Assistant program to individuals and groups. This fulfills one-half of the requirement for level II fieldwork as required for graduation from the Occupational Therapy Assistant program and meets the accreditation standards set by the Accreditation Council for Occupational Therapy Education.  
*Prerequisites: OCTA 1010, 1030, 1040, 1050, 1060, 1070, 1080, 2010 and 2020; RHAB 1030 and 1110; Corequisites: OCTA 2035 and 2040) Fieldwork: 35 hours per week

**OCTA 2035 - Occupational Therapy Assistant Fieldwork II B (4 Credits)**  
This course is an eight-week placement in a clinical site. Under the supervision of licensed occupational therapists, students apply clinical reasoning skills which they have learned in the Occupational Therapy Assistant program to individuals and groups. This fulfills one-half of the requirement for level II fieldwork as required for graduation from the Occupational Therapy Assistant program and meets the accreditation standards set by the Accreditation Council for Occupational Therapy Education.  
*Prerequisites: OCTA 1010, 1030, 1040, 1050, 1060, 1070, 1080, 2010 and 2020; RHAB 1030 and 1110; Corequisites: OCTA 2030 and 2040) Fieldwork: 35 hours per week

**OFTD (Administrative Office Technology)**

**OFTD 1105 - Essential Note-Taking Skills (1 Credit)**  
Note taking is a one-semester course designed to improve written speed; teach how to take fast and accurate notes at meetings, on the phone, and/or at school; and enhance the student's professional productivity and academic success. It is an efficient, rapid writing skill designed to capture key points from spoken word or written text.  
*Lecture: 1 hour

**OFTD 1120 - Microcomputer Keyboarding (3 Credits)**  
This course is designed for business use. It emphasizes proficiency in touch-typing keyboard mastery, proper typing techniques and the development of speed and accuracy. It also provides practice in applying these skills to document formatting such as centering and business letters. Individualized instruction units are given throughout the course. A minimum typing speed of 15 words per minute is required to pass this course.  
*Lecture: 4 hours, Lab: 1 hour

**OFTD 1130 - Editing Skills for Office Communications I (2 Credits)**  
This course emphasizes the elements of style applied in written business communications. It is for the student who is developing editing skills in order to transcribe accurately. There is particular concentration on spelling, proofreading, word division, capitalization, expression of numbers and abbreviations in dictated material.  
*Lecture: 2 hours

**OFTD 1140 - Office Technology and Procedures I (3 Credits)**  
This course is designed to provide students with a background in the rapidly expanding applications of office technology, including an introduction to telework, telecommunications, Web research, online projects, PowerPoint presentations and Outlook. In addition, students develop their communication skills and learn about proper business attitudes with an emphasis on developing soft skills (people skills), critical thinking and problem-solving skills.  
*Lecture: 3 hours

**OFTD 1170 - Office Transcription I (2 Credits)**  
This course develops entry-level proficiency in transcribing dictation to final copy. It is designed to refine and integrate office skills and applications. Emphasis is on the application of language arts skills in the production of written communications.  
*Prerequisites: OFTD 1120 and 1130) Lecture: 2 hours, Lab: 1 hour

**OFTD 1180 - Speech Recognition Software Applications I (1 Credit)**  
This course assists students in increasing their computer-use productivity. Topics include enunciation, correcting speech errors and navigating and formatting documents. Students should be able to attain speeds of about 130 wpm or more with 95 to 98 percent accuracy.  
*Lecture: 1 hour

**OFTD 1190 - Speech Recognition Software Applications II (1 Credit)**  
The purpose of this course is to gain further expertise in the creation of voice-typed documents by building on the skills attained in OFTD 1180. In addition, students are trained in the use of career-specific terminology and applications.  
*Prerequisite: OFTD 1180) Lecture: 1 hour

**OFTD 1220 - Microsoft Office Applications I (4 Credits)**  
This course further refines students' keyboarding speed and accuracy. In addition, the beginning and intermediate levels of MS Word skills are covered. The keyboarding speed needed to pass this course is 25 to 50 wpm.  
*Prerequisite: OFTD 1120) Lecture: 4 hours, Lab: 1 hour

**Prerequisite:** Successful completion of course required before registering.  
**Corequisite:** Course must be taken prior to or at the same time.
OFTD 1250 - Office Accounting (2 Credits)
This course develops the office worker’s understanding of the basic procedures used in keeping a set of accounting records in a service business. Basic accounting principles are covered along with their implementation in an electronic office system. Lecture: 2 hours, Lab: 1 hour

OFTD 1280 - Editing Skills for Office Communications II (3 Credits)
This course continues with the mechanics of the transcription process in business correspondence. It includes sentence structure as a foundation for an intense study of punctuation rules required for business communication. Students are trained to consult a reference manual for variations in usage. (Prerequisite: OFTD 1130) Lecture: 3 hours

OFTD 1370 - Business File Management (2 Credits)
This course provides a foundation in business information maintenance. It covers life cycle concepts of document control, creation, filing, storage and retrieval procedures using a manual method and introduces electronic filing. Students also are introduced to the basics of Access and Excel. Lecture: 2 hours

OFTD 1380 - Customer Service Essentials (5 Credits)
This course will equip students with the knowledge and skills that will enable them to be a successful and proactive part of a customer service team. It focuses on strategies for effective customer service, troubleshooting skills, call-handling procedures, call center metrics, incident management, communications skills and call center processes. This course prepares students to take the HDI Customer Service Representative certification exam. Lecture: 5 hours

OPTI (OPTICIANRY)

OPTI 1010 - Optical Theory I (3 Credits)
This course examines the nature of light and details the behavior of light when it encounters various refractive surfaces. In addition, the course examines lens power, indices and prisms. This course establishes the foundation for advanced ophthalmic applications. (Corequisites: OPTI 1020, 1030 and 1040) Lecture: 3 hours

OPTI 1020 - Ophthalmic Laboratory I (3 Credits)
This course introduces students to terms, instruments, calculations, lenses, frames, materials and processes to be used in the surfacing and finishing of ophthalmic prescription eyewear. (Corequisites: OPTI 1010, 1030 and 1040) Lecture: 2 hours, Lab: 1 hour

OPTI 1030 - Ophthalmic Dispensing I (3 Credits)
This course introduces students to opticianry and the procedures necessary for becoming a dispensing optician. Topics include the history of the profession, patient/client measurements, prescription analysis, ophthalmic frame and lens materials, and selection and adjustment techniques. (Corequisites: OPTI 1010, 1020 and 1040) Lecture: 3 hours

OPTI 1040 - Anatomy and Physiology of the Eye (3 Credits)
This course gives opticianry students an insight into the anatomical structure of the eye and its adnexa. Students learn the function of the parts of the eye as they relate to vision and fitting of contact lenses. Learners are presented with common pathologies of the eye and ocular pharmacology. (Corequisites: OPTI 1010, 1020 and 1030) Lecture: 3 hours

OPTI 1050 - Optical Theory II (3 Credits)
This course is taken subsequent to OPTI 1010: Optical Theory I. It continues the study of optical theory. Topics include prism notation and vertical imbalance. It also presents methods of correction such as vertex power, illuminance, reflection and absorption, diffraction, third order aberrations, lens tilt, anisometropia and spectacle magnification. (Prerequisites: OPTI 1010, 1020, 1030 and 1040; Corequisites: OPTI 1060, 1070 and 1080) Lecture: 3 hours

OPTI 1060 - Ophthalmic Laboratory II (3 Credits)
This course continues the study of prescription eyewear fabrication processes. Students learn to calibrate and maintain equipment, layout and edge multifocal lenses, tint and coat lenses, perform advanced neutralization of lenses for verification or duplication purposes. Instruction is provided in techniques for special surfacing processes such as bicentric grinding and prism thinning. (Prerequisites: OPTI 1010, 1020, 1030 and 1040; Corequisites: OPTI 1050, 1070 and 1080) Lecture: 2 hours, Lab: 1 hour

OPTI 1070 - Ophthalmic Dispensing II (3 Credits)
This course continues an examination of lens materials, types and fitting with a particular focus on multi-focals, progressive addition lenses, absorptive lenses and special lens designs. Focus is on understanding and using ophthalmic instruments and devices to take patient measurements, read prescriptions and perform frame adjustments. Governing agencies of the optical profession and legal and ethical issues are introduced. (Prerequisites: OPTI 1010, 1020, 1030 and 1040; Corequisites: OPTI 1050, 1060 and 1080) Lecture: 3 hours

OPTI 1080 - Ophthalmic Dispensing Clinical I (3 Credits)
This course is part of a three-semester dispensing laboratory. During the three semesters, the students should learn and demonstrate competencies from the competency lists. By the end of the three experiences, students must demonstrate all listed competencies. Students may be required to demonstrate some competencies in more than one course. (Prerequisites: OPTI 1010, 1020, 1030 and 1040; Corequisites: OPTI 1050, 1060 and 1070) Clinical: 90 hours

OPTI 2010 - Ophthalmic Dispensing Clinical II (3 Credits)
This course is part of a three-semester dispensing laboratory. During the three semesters, students should learn and demonstrate competencies from the competency lists. By the end of the three experiences, students must demonstrate all listed competencies. Students may be required to demonstrate some competencies in more than one course. (Prerequisites: OPTI 1080 and 2020; Corequisites: OPTI 2040 and 2060) Clinical: 90 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
OPTI 2020 - Ophthalmic Laboratory Skills I (3 Credits)
This course is the skills component of OPTI 1020: Ophthalmic Laboratory I. Students will develop competencies in performing clinical laboratory skills at the introductory level under the direction and supervision of the faculty. Emphasis is placed on accuracy and attaining skills that meet an acceptable professional level. (Prerequisites: OPTI 1010, 1020, 1030, 1040, 1050, 1060, 1070 and 1080) Lecture: 2 hours, Lab: 2 hours

OPTI 2030 - Optical Business Management (3 Credits)
This course presents basic management and leadership skills necessary for a successful eye care office. The course teaches analysis, creative thinking, judgment, planning strategy and implementation skills necessary for optical business challenges. (Prerequisites: OPTI 2010, 2020 and 2040; Corequisites: OPTI 2050 and 2070) Lecture: 3 hours

OPTI 2040 - Introduction to Contact Lenses (3 Credits)
This course includes a historical review of contact lenses as well as theory, design and optical principles. Indications and contraindications for contact lenses wear, patient evaluation, lens types and availability and fundamental techniques and fitting philosophies are covered. The uses of the biomicroscope, keratometer and radioscope are presented as well as patient education on care, cleaning, insertion and removal of contact lenses. (Prerequisite: OPTI 2020; Corequisites: OPTI 2010 and 2060) Lecture: 3 hours

OPTI 2050 - Ophthalmic Dispensing Clinical III (3 Credits)
This course is part of a three-semester dispensing laboratory. During the three semesters, students should learn and demonstrate listed competencies. By the end of the three experiences, students must demonstrate all competencies listed. Students may be required to demonstrate some competencies in more than one course. (Prerequisites: OPTI 2010, 2040 and 2060; Corequisites: OPTI 2030 and 2070) Clinical: 90 hours

OPTI 2060 - Ophthalmic Laboratory Skills II (3 Credits)
This course is the skills component of OPTI 1060: Ophthalmic Laboratory II. Students will develop competencies in performing clinical laboratory skills at the advanced level under the direction and supervision of the faculty. Emphasis is placed on accuracy and attaining skills that meet an acceptable professional level. (Prerequisite: OPTI 1010, 1020, 1030, 1040, 1050, 1060, 1070, 1080 and 2020) Lecture: 2 hours; Lab: 2 hours

OPTI 2070 - Contact Lenses Clinical (3 Credits)
This course includes a historical review of contact lenses as well as theory, design and optical principles. Indications and contraindications for contact lens wear, patient evaluation, lens types and availability, and fundamental techniques and fitting philosophies are covered. The uses of the biomicroscope, keratometer and radioscope are presented as well as patient education on care, cleaning, insertion and removal of contact lenses. (Prerequisites: OPTI 2010, 2020 and 2060; Corequisites: OPTI 2030 and 2050) Clinical: 90 hours

PHED (PHYSICAL EDUCATION)

PHED 1110 - Introduction to Tennis and Badminton (1 Credit)
This course covers the basic skills of tennis and badminton, including the rules, strategy and etiquette of these games.

PHED 1210 - Team Sports (1 Credit)
This course introduces students to the basic skills for team-oriented sports, including the rules and strategy of the games. Special emphasis is placed on the enjoyment of these team sport activities in a recreational environment.

PHED 1400 - Swimming I - Primary Skills (1 Credit)
This course focuses on helping students feel comfortable in the water so they can enjoy the water safely. For students who have little or no experience.

PHED 1410 - Swimming II - Stroke Development (1 Credit)
This course is designed for those who have experience in the water and would like to work on development of the key strokes. Additional water safety skills are presented. (Prerequisite: Swimming I or permission of instructor)

PHED 1420 - Swimming III - Fitness Swimming (1 Credit)
This course will assist efficient swimmers (passed Swimming II) in developing a swimming fitness program or in adapting the life skill of swimming into their current personal fitness program. (Prerequisite: Swimming II or permission of instructor)

PHED 1430 - Water Safety Instructor (3 Credits)
This course will teach American Red Cross candidates how to teach the infant and preschool aquatics program and the seven levels of the Learn-to-Swim Program. (Prerequisite: Permission of instructor)

PHED 1440 - Lifeguard Training (2 Credits)
This course is designed to teach lifeguards the skills and knowledge needed to prevent and respond to aquatic emergencies. Lifesaving materials of the American Red Cross are included to meet requirements for the state of Rhode Island.

PHED 1450 - Lifeguard Training Review (1 Credit)
This course will allow currently certified lifeguards to renew their certifications without taking the entire course.

PHED 1460 - Introduction to Aquatics/Aquatic Sports (1 Credit)
The purpose of this course is to introduce individuals to the concepts and principles of aquatics/aquatic sports with special focus on rules and regulations of water sports and staffing considerations. Equipment and rules of water polo, water basketball and water volleyball are discussed.

PHED 1610 - Essentials of Physical Fitness (3 Credits)
This course focuses on the components of physical fitness. Lectures focus on nutrition, cardiorespiratory endurance, muscular strength, muscular endurance and flexibility. Students will be active participants in the development of individualized fitness programs.
PHED 1620 - Advanced Physical Fitness and Wellness (3 Credits)
A continuation of PHED 1610, this course provides more comprehensive and advanced techniques of fitness. Emphasis is placed upon personal responsibility for lifestyle changes to foster wellness. (Prerequisite: PHED 1610)

PHED 1630 - Weight Training and Sports Conditioning I (2 Credits)
This introductory course provides a foundation of knowledge, skills and techniques in resistance training as well as an opportunity for the creation of an individualized training program.

PHED 1645 - Kettles and Ropes (2 Credits)
This course incorporates kettlebell, suspension bodyweight training and rope wave velocity training in an overall cardiorespiratory and strength training program. Students will be responsible for creating a training program to meet their functional strength, endurance and cardiorespiratory needs. Lecture: 1 hour, Lab: 2 hours

PHED 1665 - Advanced Weight Training (3 Credits)
This course provides an opportunity for the development and achievement of performance goals attained by the application of advanced lifting techniques. Olympic lifts, functional fitness, agility training and sprinting are incorporated into the training plan. Lecture: 2 hours, Lab: 2 hours

PHED 1670 - Athletic Performance Enhancement (3 Credits)
The purpose of this course is to introduce basic psychological concepts and principles with special reference to motor performance, learning motor skills, perception and emotion in sport situations. The study of numerous psychological parameters pertinent to the prospective athletic coach, teacher, parent and student-athlete are investigated.

PHED 1700 - Prevention and Care of Athletic Injuries (3 Credits)
This course will introduce techniques for conditioning, taping and bandaging as they relate to the prevention and care of athletic injuries. Lecture: 2 hours, Lab: 1 hour

PHED 1720 - Real Coaching (3 Credits)
Designed for teachers who coach, coaches who teach and others who lead sports, this course provides an analysis of the operational, managerial, physiological, social, ethical and moral aspects of coaching. Those currently coaching or with aspirations of coaching at the secondary level or intercollegiate level will find this course particularly useful. Lecture: 3 hours

PHED 1730 - Sport and Recreation Operations (3 Credits)
This course is designed to introduce students to the broad range of administrative responsibilities involved in conducting sports and recreation programs. Those with aspirations of pursuing a career in sport administration should find this course particularly useful. Lecture: 3 hours

PHIL (PHILOSOPHY)

PHIL 1010 - Introduction to Philosophy (3 Credits)
This course is a systematic study of basic philosophical questions, including: Is there a God? How is knowledge acquired? Does life have meaning? These questions are examined by reading major Western philosophers such as Plato, Aristotle, Descartes and others. Students learn and practice several critical reasoning skills applicable to academic, professional and personal areas of life. Lecture: 3 hours

PHIL 2020 - Philosophy of Religion (3 Credits)
A systemic study of basic issues in the philosophy of religion, this course covers the concepts of God, traditional arguments for the existence of God, the problem of evil, mysticism and philosophical atheism. Students engage in theoretical discussions, develop critical reasoning skills and gain practical insight into their personal philosophy of religion. Lecture: 3 hours

PHIL 2030 - Ethics (3 Credits)
This course is a critical analysis of main theories of moral conduct. In the areas of personal and social morality (e.g., citizenship, employment, student life, family life, etc.), some major moral problems are discussed such as capital punishment, abortion, race relations, social justice, war, sex and marriage, and ecology. When student curriculum needs in a given program, such as Law Enforcement, Nursing, etc., require a special focus, the instructor can provide special assignments to meet those needs. Note: Meets ethics requirement. Lecture: 3 hours

PHIL 2040 - Logic (3 Credits)
This course studies the basic principles of correct thinking in semantics and in deductive and inductive reasoning. It introduces beginning students to the logical techniques of thought and argument. Exercises incorporate various current issues and topics. Clear and adequate thinking is the goal of the course. Lecture: 3 hours

PHLE (PHLEBOTOMY)

PHLE 1010 - Phlebotomy I (6 Credits)
This course presents the theory and practice of phlebotomy, that includes such topics as: phlebotomists in health care delivery systems; medical terminology; infection control and safety; anatomy and physiology of body systems; collection equipment, reagents and interfering factors in blood collection; venipuncture and capillary puncture blood collection procedures and requisitioning. Laboratory experiences include venipuncture practice by vacutainer, syringe and winged collection set on adult and pediatric training arms. Skin puncture collection procedures using a variety of lancets are performed. Lecture: 5 hours, Lab: 2 hours

PHLE 1020 - Phlebotomy II (6 Credits)
This course includes collection and handling of nonblood specimens, quality assurance, specimen handling, specimen processing, communications techniques, legal issues, professionalism and arterial puncture. A review of CLSI Standards for skin puncture and venipuncture is included. In the college laboratory, students perform specimen processing, blood smear preparation, blood collection and venipuncture collection. Students spend a total of 160 hours of clinical training in phlebotomy techniques at an affiliated site. Note: Students must be available to train weekdays (8 hrs x 5 days per week) for four (4) consecutive weeks. (Prerequisite: PHLE 1010 with grade of “C” or better) Lecture: 5 hours, Lab: 2 hours, Clinical: 160 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
PHTA (PHYSICAL THERAPIST ASSISTANT)

PHTA 1000 - Introduction to the Physical Therapist Assistant (2 Credits)

This course is open to students who are considering admission into the Physical Therapist Assistant program. An overview of the field of physical therapy and the roles of the physical therapist and physical therapist assistant within the health care delivery system are presented. Topics such as licensure, reimbursement, education, employment opportunities and professional organizations are covered. This course includes an introduction to professional ethics, case study format. Students learn to document treatment parameters and patient responses to treatment. (Prerequisites: RHAB 1110; PHTA 1010 and 1120) Lecture: 2 hours, Lab: 5 hours

PHTA 1120 - Tests and Measurements for Physical Therapist Assistants (2 Credits)

This course instructs PTA students in testing and measurement techniques, specifically manual muscle testing and goniometry for the head, spine and extremities. Lecture: 1 hour, Lab: 2 hours

PHTA 1220 - Basic Therapeutic Exercise (1 Credit)

This is an optional course to instruct PTA students to correctly perform therapeutic exercises for musculoskeletal conditions of the upper extremity, lower extremity and trunk. This course prepares students to perform basic exercises in preparation for their first clinical experience. This course has five sessions that are three hours each. (Prerequisite: RHAB 1110) Lecture/ Lab: 3 hours

PHTA 2010 - Physical Therapist Assistant III (7 Credits)

This course focuses on interventions for the pulmonary, cardiovascular and musculoskeletal systems with a broad overview of the other body systems. Lecture and laboratory presentations instruct cardiovascular training for risk assessment and rehabilitation; chest physical therapy procedures; therapeutic exercise, particularly as it pertains to orthopedic physical therapy and movement dysfunction; and the management of lower extremity prosthetics. This course runs the first 10 weeks of the semester. (Prerequisites: RHAB 1030 and 1110; PHTA 1010, 1020 and 1120) Lecture: 9 hours, Lab: 6 hours

PHTA 2020 - Physical Therapist Assistant IV (7 Credits)

This course includes an introduction to pathologies and physical therapy intervention for conditions of the central and peripheral nervous system. Treatment approaches such as PNF, Bobath, Rood and Brunstrom will be included. Emphasis will be on application of therapy in rehabilitation settings. This course also will have exposure to specialty areas of physical therapy practice such as geriatrics and pediatrics. This course runs for the first 10 weeks of the semester. (Prerequisites: RHAB 1030 and 1110; PHTA 1010, 1020, 1120, 2020 and 2910) Lecture: 9 hours, Lab: 6 hours

PHTA 2040 - Career Development Seminar (1 Credit)

This course is designed to support the students as they prepare for graduation, licensure and employment. Topics such as résumé development, interviewing skills, preparation for licensure, negotiation and professionalism will be presented. Appropriate resources for professionalism will be referenced, including the Rhode Island Rules and Regulations for Physical Therapists and Physical Therapist Assistants, Physical Therapy Code of Ethics and Professionalism in PT: Core Values document. (Prerequisites: PHTA 2010 and 2920; Corequisites: PHTA 2020 and 2930) Lecture: 1 hour

PHTA 2110 - Selected Topics in Physical Therapy (1 Credit)

This course is designed for PTAs or PTA students enrolled in the PTA program interested in maintaining and improving clinical skills utilizing various physical therapy treatment modalities such as pool therapy. Lecture: 2 hours, Lab: 2 hours

PHTA 2910 - Clinical Education I (3 Credits)

This course is the first of three full-time clinical experiences in the PTA program and runs for a period of six weeks during the summer semester. Students are assigned to clinical sites for 35 to 40 hours per week of supervised clinical practice. Students observe and assist with physical therapy treatment under direct supervision and guidance of physical therapists and physical therapist assistants. Students will participate in an online seminar in which relevant clinical issues will be discussed. (Prerequisites: RHAB 1030 and 1110; PHTA 1010, 1020 and 1120) Lecture: 1 hour, Clinical: 240 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
PHYS – PHYSICS

PHYS 1000 - Conceptual Physics/Physical Science (4 Credits)
This course is for students not majoring in science. Physical principles are presented with emphasis on nonquantitative, practical applications of these concepts. Note: This course satisfies one semester of the Science requirement for the Associate in Arts degree. (Prerequisite: Basic knowledge of algebra) Lecture: 3 hours, Lab: 2 hours

PHYS 1010 - General Physics I (4 Credits)
Mechanics and heat are studied as the basic topics of this course. One lecture hour is used as a help session. (Prerequisite: High school algebra and trigonometry) Lecture: 3 hours, Lab: 3 hours, Recitation: 1 hour

PHYS 1040 - General Physics II (4 Credits)
Sound, electricity and magnetism, light, atomic and nuclear theories and their applications are studied in this course. (Prerequisite: PHYS 1030 or equivalent) Lecture: 3 hours, Lab: 3 hours, Recitation: 1 hour

PHYS 1050 - Physics for Technology I (4 Credits)
This course is for students in the Engineering Systems Technology and Computer Technology programs. Mechanics, sound, temperature and heat are studied. (Prerequisite: MATH 1710 or 1750) Lecture: 3 hours, Lab: 3 hours

PHYS 1060 - Physics for Technology II (4 Credits)
This course is for students in the Electronic Engineering Systems Technology program. Electrical circuits, simple harmonic motion and selected topics in modern physics are studied. (Prerequisite: PHYS 1050) Lecture: 3 hours, Lab: 3 hours

PHYS 1070 - Introduction to Renewable Energy (3 Credits)
This course introduces renewable energy resources and their applied technologies. Students learn the physics of energy as well as the geology of energy. Topics covered include solar, geothermal, tidal and wave energy, as well as hydroelectric energy. (Prerequisite: MATH 0600) Lecture: 2 hours, Lab: 2 hours

PHYS 1080 - Fundamentals of Optical Communications (4 Credits)
Course content includes the components of optical fiber systems, devices, integrated optics, light source and detectors, and complex and distribution networks. (Prerequisite: Basic knowledge of algebra and trigonometry, Some background in physics is helpful, but not required.) Lecture: 3 hours, Lab: 3 hours

PHYS 1100 - Engineering Physics (4 Credits)
This course is a study of the basic equations of mechanics, heat and thermodynamics. Note: It is usually taken by Engineering students in the second semester of the first year. (Prerequisite or corequisite: MATH 1910) Lecture: 3 hours, Lab: 3 hours, Recitation: 1 hour

PHYS 1110 - Radiographic Physics (4 Credits)
This course covers the fundamentals of electrical and radiation physics. Students gain an understanding of the basic principles underlying the operation of X-ray equipment and auxiliary devices. Note: Open only to students currently enrolled in the Radiography program. (Prerequisite: MATH 1700 or its equivalent) Lecture: 3 hours, Lab: 2 hours

PHYS 1120 - Modern Technical Physics I (4 Credits)
This is an introductory physics course presenting the principles and laws of modern physics. Units studied include kinematics, dynamics, energy-work relationships and principles and laws of modern physics. Lecture: 3 hours, Lab: 2 hours

PHYS 1130 - Technical Physics (4 Credits)
This is an introductory physics course in which the fundamental principles of physics are presented. Units include dynamics, energy-work relationships, wave behavior, electric and magnetic fields, and motor and generator principles. Lecture: 3 hours, Lab: 2 hours

PHYS 1140 - Newtonian Physics (4 Credits)
This is an introductory physics course presenting the principles of physics with special emphasis on the Newtonian physics. Fundamental laws of motion, kinematics, dynamics and energy are studied. Lecture: 3 hours, Lab: 2 hours

PHYS 1220 - Modern Technical Physics II (4 Credits)
This introductory physics course presents the principles and laws of electricity, circuits, solid state circuits, semi-conductors and automatic control systems. Lecture: 3 hours, Lab: 2 hours
PHYS 2110 - Topics in Acoustics, Optics and Thermodynamics (3 Credits)
This course deals in the fundamentals of acoustics and optical phenomena and introduces topics of thermodynamics, kinetic theory and wave motion. Calculus is used. Note: Usually taken by Engineering students in the first semester of the second year. (Prerequisite: PHYS 1100 or equivalent and MATH 1910 and 1920 or equivalent or instructor’s permission) Lecture: 2 hours

PHYS 2111 - Introduction to Acoustics and Optics Laboratory (1 Credit)
This course deals with laboratory experiments in simple harmonic motion sound waves, reflection and refraction of light, lenses, prisms, diffraction of light, holography and some fiber optic systems. (Prerequisite: PHYS 2110 or equivalent) Lab: 3 hours

PHYS 2820 - Modern Physics I (3 Credits)
This course offers an introduction to modern physics for Engineering students. Topics include kinetic theory, special relativity, wave and particle properties of matter and radiation, atomic structure and quantum mechanics. Integral and differential calculus, differential equations and vector analysis are used. (Prerequisite: PHYS 2110 or equivalent or instructor’s permission) Lecture: 3 hours

PHYS 2830 - Modern Physics II (3 Credits)
Basic concepts and theories of solid state and nuclear physics are studied in this course. (Prerequisite: PHYS 2820 or equivalent) Lecture: 3 hours

POLS (POLITICAL SCIENCE)

POLS 1000 - Introduction to Government and Politics (3 Credits)
An introduction to the field of political science, covering each area of the discipline, including comparative government and political systems, political economy, political ideology, international and global politics and methods of political analysis. Recommended as a first course for those pursuing further study in political science. Also recommended as a single course for those not taking other political science courses. Lecture: 3 hours

POLS 1010 - American National Government (4 Credits)
This course is a study of the American political system at the national level. It covers the structure of the U.S. government and its powers and limitations. It also covers policymaking, the governing and electoral processes, the roles of the people, the media, special interests and political parties. Areas of national concern such as economic and foreign policy and national security also are covered. Lecture: 4 hours

POLS 1030 - State and Local Government (formerly POLS 2030) (3 Credits)
This course is a study of politics and government at the state and local level, including governmental structures, powers and limitations and governing and electoral processes. Areas of state and local concern such as urban and regional planning, most of the legal system and everyday matters ranging from public works to education are covered. Lecture: 3 hours

POLS 2010 - International Relations (formerly POLS 1210) (3 Credits)
This course studies international and global politics. It includes study of diplomatic history, theoretical approaches, global political economy, international law and organization issues of war, peace and political stability. (Recommended: POLS 1000 or 1010 or HIST 1020 prior to taking this course) Lecture: 3 hours

POLS 2040 - American Political Parties and Politics (3 Credits)
This course studies political parties, politics and elections in the United States. It covers the political history of elections, voting patterns and party alignments, as well as the roles of special interests and the media in the electoral process. (Recommended: POLS 1000 or 1010 or HIST 1210 or 1220 prior to taking this course) Lecture: 3 hours

POLS 2045 - American Politics and Government - Critiques and Analysis (4 Credits)
This course is a critical and analytical study of the various theories which interpret the American political system, their historical applications and relationship to current policy areas. (Prerequisite: POLS 1010) Lecture: 4 hours

POLS 2110 Modern Political Ideologies (formerly POLS 1110) (3 Credits)
In this course, students study modern and contemporary political ideologies in terms of their development and applications. This course involves intensive reading and interpretation of original works. (Recommended: POLS 1000 or 1010 or HIST 1020 prior to this course) Lecture: 3 hours

PORT (PORTUGUESE)

PORT 1000 - Basic Spoken Portuguese I (3 Credits)
This is an introductory elective course for beginners emphasizing correct pronunciation and basic vocabulary for practical use in everyday conversational situations and travel dialogues. Students with no previous study of the language are prepared to use and understand it within a limited context and basic structure. Lecture: 3 hours

PORT 1100 - Basic Spoken Portuguese II (3 Credits)
This course is a continuation of Basic Spoken Portuguese I (PORT 1000). Lecture: 3 hours

PORT 1010 - Elementary Portuguese I (3 Credits)
This course is for students with little or no preparation and covers elements of the language including conversation, pronunciation, reading, writing and grammar. Aspects of Portuguese culture also are included. Lecture: 5 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
PORT 1020 - Elementary Portuguese II (3 Credits)
This is a continuation of Elementary Portuguese I (PORT 1010). (Prerequisite: PORT 1010, 1030 or its equivalent) Lecture: 5 hours

PORT 1030 - Elementary Portuguese I (3 Credits)
Portuguese 1030 is a faster paced version of Portuguese 1010. This course is suitable for students with previous experience (e.g., Basic Spoken Portuguese and/or other prior formal study of the language, prior formal study of another foreign language or informal experience with a foreign language). The course covers elements of the language including: conversation, pronunciation, reading, writing and grammar. Aspects of Portuguese-speaking cultures also are included. Note: Course content is the same as Portuguese 1010 with two fewer hours per week. (Prerequisite: Prior preparation as noted above or permission of instructor) Lecture: 3 hours

PORT 1040 - Elementary Portuguese II (3 Credits)
This course is a continuation of Elementary Portuguese I (PORT 1030). Note: Course content is the same as PORT 1020 with two fewer classroom hours per week. (Prerequisite: PORT 1010, 1030 or its equivalent) Lecture: 3 hours

PORT 1510 - Conversational Portuguese II (3 Credits)
This is a continuation of Conversational Portuguese I (PORT 1510) that includes conversational practice, cultural readings and discussions. (Prerequisite: PORT 1510 or the equivalent) Lecture: 3 hours

PORT 1710 - Portuguese for Medical Service Personnel (3 Credits)
This course provides students an opportunity to master enough oral Portuguese to deal directly with Portuguese-speaking patients and family from hospital admission to through discharge. Day-to-day dramatic re-creations of hospital experiences from the points of view of both nurse and patient help students to improve proficiency in the use of spoken Portuguese. Note: Elective credit for students in Nursing and Allied Health fields. Lecture: 3 hours

PORT 2010 - Intermediate Portuguese I (3 Credits)
This course helps students develop skill in reading and discussing Portuguese texts related to culture and literature. Coursework is supplemented by further work in grammar, conversation and composition. (Prerequisite: PORT 2010, 1040 or equivalent) Lecture: 3 hours

PORT 2020 - Intermediate Portuguese II (3 Credits)
This course is a continuation of Intermediate Portuguese I (PORT 2010). (Prerequisite: PORT 2010 or its equivalent) Lecture: 3 hours

PORT 1020 - Conversational Portuguese II (3 Credits)
This is a continuation of Conversational Portuguese I (PORT 1510) that includes conversational practice, cultural readings and discussions. (Prerequisite: PORT 1510 or the equivalent) Lecture: 3 hours

PORT 1710 - Portuguese for Medical Service Personnel (3 Credits)
This course provides students an opportunity to master enough oral Portuguese to deal directly with Portuguese-speaking patients and family from hospital admission to through discharge. Day-to-day dramatic re-creations of hospital experiences from the points of view of both nurse and patient help students to improve proficiency in the use of spoken Portuguese. Note: Elective credit for students in Nursing and Allied Health fields. Lecture: 3 hours

PORT 2010 - Intermediate Portuguese I (3 Credits)
This course helps students develop skill in reading and discussing Portuguese texts related to culture and literature. Coursework is supplemented by further work in grammar, conversation and composition. (Prerequisite: PORT 2010, 1040 or equivalent) Lecture: 3 hours

PORT 2020 - Intermediate Portuguese II (3 Credits)
This course is a continuation of Intermediate Portuguese I (PORT 2010). (Prerequisite: PORT 2010 or its equivalent) Lecture: 3 hours

PSYC (PSYCHOLOGY)

PSYC 1030 - Psychology of Personal Adjustment (3 Credits)
This basic course provides insight into the general problem of normal adjustment. Consideration is given to the role of personality and the influence of one’s environment, both physical and psychosocial. A practical approach is used to provide the student with greater self-understanding and greater awareness of the psychosocial factors in the community. Lecture: 3 hours

PSYC 1050 - Psychology in the Workplace (3 Credits)
This course is for individuals who may eventually become supervisors in their professions. The material covers psychological problems and how people adjust to them in the working environments of the business world. Lecture: 3 hours

PSYC 1070 - Psychology of Women (3 Credits)
This course focuses on how a woman’s role changes during her adult years. Concerns of women who are involved in career and life-style decisions are identified. Topics related to these concerns and ways to resolve them include role conflicts, role “overload,” role discontinuity, achievement expectations, myths about women workers and midlife career changes. Lecture: 3 hours

PSYC 1110 - Career Information Seminar (2 Credits)
This course assists individuals in formulating career goals and in understanding vocational development. Theories of career choice are applied to the exploration of different occupations and college majors. Students learn to develop a specific plan of action, including interview techniques and construction of résumés to apply for a position. Lecture: 2 hours

PSYC 1970 - Human Relations Seminar and Application (3 Credits)
This course involves an exploration into the human condition including the process of communication and response; the art of helping; choice and the decision process; the limitations set by individual uniqueness; and the acceptance of self and of others. Emphasis also is placed on the role of the value system and problems that arise out of value conflicts. Practical application of the human relation theories are explored through student participation in group exercises and role-playing. Lecture: 3 hours

PSYC 2010 - General Psychology (3 Credits)
This course is a survey of the core areas of scientific psychology. Emphasis is placed on the theories, methods and findings concerning biopsychology, sensation-perception, consciousness, development, learning and memory, motivation and emotion, thinking and intelligence, social behavior, personality, health psychology and behavior disorders. Contemporary controversial issues are also addressed and critically examined. Lecture: 4 hours

PSYC 2020 - Social Psychology (3 Credits)
The emphasis of this course is the experimental approach to the study of social influence. The behavior of individuals in relation to their social-cultural environment is considered in light of special topics such as conformity, attitudes, aggression, cognitive organization, group dynamics, prejudice and interpersonal attraction. (Prerequisite: PSYC 2010) Lecture: 3 hours
PSYC 2030 - Developmental Psychology (3 Credits)
This course offers students an understanding of the significant dynamics of human development, with emphasis on the normal rather than abnormal. Levels or stages of development covered include prenatal, infancy, childhood, adolescence, adulthood, and old age. The earlier, more formative years receive special consideration because of their importance to later development. (Prerequisite: PSYC 2010) Lecture: 3 hours

PSYC 2040 - Psychology of Adult Development and Aging (3 Credits)
This course is an intensive study of human growth and development in the adult years. Topics include adult personality, as affected by both continuity and change; mental and physical performance of adults; participation in social roles such as spouse, parent, worker, and retiree; physical aspects of aging and recent research in gerontology. Note: This course is of benefit to those who plan to work with adults in social service occupations, as well as those who are just going through the phases of adulthood themselves. (Prerequisite: PSYC 2010) Lecture: 3 hours

PSYC 2050 - Behavior Modification (3 Credits)
This course reviews, in detail, basic research and data on learning, focusing primarily on operant and classical conditioning. Basic principles and theories of behavior modification are emphasized, including reinforcement, punishment, and methods of collecting data in both laboratory and natural settings. Students are required to design and conduct a behavioral change project under the supervision of the instructor. (Prerequisite: PSYC 2010) Lecture: 3 hours, Lab: As required

PSYC 2070 - Educational Psychology (3 Credits)
This course deals with the application of psychological principles to preschool, elementary, special needs and secondary level classroom situations. Focus is on four topics essential to effective teaching: human development, learning and instruction, motivation and evaluation. Lecture: 3 hours

PSYC 2080 - Psychology of Death, Dying and Bereavement (3 Credits)
This course deals with the significant loss of someone through death. Topics covered include death and the process of dying, the role of the helping professions, family and the dying child, suicide, society’s response to death and dying, grief and bereavement. The course incorporates readings, lectures, films, guest speakers, structural class exercises and field trips. Projects lead students beyond the readings to further research and independent study. Lecture: 3 hours

PSYC 2090 - Adolescent Psychology (3 Credits)
This is an in-depth study of the adolescent period, including significant theories of physical, cognitive and psychosocial development. The course surveys past and present sociocultural, economic and educational issues affecting the behavior of individuals from puberty to adulthood. (Prerequisites: PSYC 2010 and 2030) Lecture: 3 hours

PSYC 2100 - Theories of Personality (3 Credits)
This course provides a detailed review and formal representation of the major theories of personality. The role of personality theory in the development of psychology, along with the location of the major viewpoints in the contemporary scene, is emphasized. (Prerequisite: PSYC 2010) Lecture: 3 hours

PSYC 2110 - Abnormal Psychology (3 Credits)
This course examines a wide range of psychological and behavioral problems including theories of their causation. Emphasis is placed on evidence and problems in connection with theories of treatment ranging from Freudian analysis to learning theory. (Prerequisite: PSYC 210) Lecture: 3 hours

PSYC 2120 - Foundations of Psychological Research (3 Credits)
This course surveys the basic principles of scientific inquiry followed by an intensive development of the techniques involved in conducting and reporting behavioral research. Methods of experimental control and design, use of descriptive statistics and the appropriate form and style of written research reports are covered. (Prerequisite: PSYC 2010) Lecture: 3 hours

RENL 1010 - Patient Care and Assessment for Renal Dialysis Technicians (3 Credits)
This course is designed to provide students with the information necessary to provide care appropriate to the renal dialysis patient. End-stage renal disease is discussed as well as methods of treatment and associated conditions. Psychosocial and dietary needs specific to patients with renal disease are discussed as are methods for patient assessment and documentation. The control of infection and measures for patient comfort and transfer also are considered. Lecture: 3 hours

RENL 1030 - Renal Dialysis Technology II (6 Credits)
This course is designed to provide students with information concerning the principles of renal dialysis. The skills critical to the recognition of complications or abnormal situations as well as the appropriate responses are stressed. An examination of previously discussed patient care skills and monitoring procedures relative to emergency situations are reviewed. Emphasis is placed on standards and regulations pertinent to water treatment, quality control issues and workplace safety. Theoretical information is supplemented with clinical observation. Written case presentations, as they relate to the dialysis patient, are required. Lecture: 2 hours, Lab: 4 hours, Clinical: 24 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
RESP
(RESPIRATORY THERAPY)

RESP 1000 - Introduction to Respiratory Therapy (3 Credits)
In this course, students explore current concepts in health care including patient/client care issues such as effective communication, cultural and age-specific concerns and disease management models. Health care provider topics such as professionalism, and ethical and legal considerations, including credentialing and licensure, are addressed. A brief overview of the U.S. health care system is discussed, addressing past and present payment structure, care settings and delivery models. An introduction to medical terminology also is included. Lecture: 3 hours

RESP 1010 - Respiratory Care I (4 Credits)
This course introduces students to the hospital and patient environment in the classroom and the laboratory. Students learn an array of respiratory therapy procedures. An overview of the structure and function of the cardio-respiratory system is examined as well as physical principles of gas flow and lung mechanics. Principles of breathing and gas exchange, including oxygen and carbon dioxide transport and arterial blood gas values and interpretation are addressed. Laboratory practice is included. (Admission to the Respiratory Therapy program) Lecture: 3 hours, Lab: 3 hours.

RESP 1012 - Preclinical Practice (2 Credits)
This course is designed to prepare students for the initial clinical experience in the program. It will emphasize students’ ability to identify and follow protocols in order to carry out commonly ordered respiratory therapy procedures. Students will recognize and interpret basic findings in patient assessment, including vital signs, chest assessment, and values for blood chemistry testing. Students will be introduced to the electronic medical record and tracking system, and will participate in case simulations. (Prerequisite: Admission to the Respiratory Therapy program.) Lecture: 2 hours

RESP 1100 - Respiratory Care II (4 Credits)
This course offers a detailed review of therapeutic and diagnostic techniques in respiratory care. It includes the study of both invasive and noninvasive diagnostic techniques for assessing oxygenation, ventilation, pulmonary function and electrocardiography. Students interpret graphics from these techniques, and are able to classify specific findings. Management of airway emergencies and artificial airways is included. Laboratory practice is provided. (Prerequisite: RESP 1010) Lecture: 3 hours, Lab: 3 hours.

RESP 1800 - Clinical Practicum I (1 Credit)
This clinical experience introduces students to the hospital environment. Emphasis is on orientation, becoming familiar with respiratory therapy department structure and procedures, and use of the medical record. Medical gas therapy and incentive spirometry are applied with direct bedside teaching. They are exposed to the diagnostic procedure of respiratory therapy and performance of preclinical competency testing. Clinical: 120 hours

RESP 2000 - Cardiopulmonary Diseases I (4 Credits)
This course emphasizes the study of microorganisms and control of pathogens related to cardiopulmonary disorders, the study of common cardiopulmonary disorders with emphasis on characteristics, application of diagnostics and determining appropriate therapeutic regimens. Lecture: 4 hours

RESP 2030 - Cardiopulmonary Diseases II (4 Credits)
This course continues the study of the pathophysiology of cardiopulmonary disorders and their treatment. A portion of this course emphasizes the study of cardiopulmonary disorders in pediatric patients and in the neonate. Lecture: 4 hours

RESP 2110 - Respiratory Critical Care (3 Credits)
This course offers an introduction to critical care concepts and application of physiologic measures to patient care in the acute care setting. Lecture: 3 hours

RESP 2120 - Respiratory Care III (4 Credits)
This course covers the principles of positive pressure breathing devices, their clinical applications and alternatives. Students are introduced to critical care modalities with emphasis on artificial airway management, ACLS protocols, mechanical ventilation principles of operation, management and terminology. Critical care monitoring, including hemodynamic monitoring and pharmacological control are discussed. Laboratory practice is part of this course. Lecture: 3 hours, Lab: 3 hours

RESP 2130 - Respiratory Care IV (4 Credits)
Specialized respiratory therapy is studied in-depth with emphasis on nonconventional mechanical ventilation including indications, equipment, procedures and precautions. A portion of this course focuses on pediatric and neonatal critical care modalities. Advanced cardiopulmonary diagnostics, including arrhythmia interpretation and ACLS support, rehabilitation practices, medical ethics and laws pertaining to the care of patients with cardiopulmonary disorders, are discussed. Laboratory practice is included. Lecture: 3 hours, Lab: 3 hours

RESP 2140 - Basics of Electrocardiography (ECG) (1 Credit)
This course is designed to provide the health care practitioner with the knowledge and skills needed to accurately identify basic cardiac arrhythmias. A review of cardiac terminology, cardiac physiology and patient interaction before, during and after testing is included. Laboratory instruction provides hands-on practice of electrode placement, equipment set-up and troubleshooting of the electrocardiograph and practice reading ECG rhythm strips for arrhythmias. Note: Phlebotomy students - See prerequisites under program requirements. (Prerequisite: Open to individuals employed in the health care field. Knowledge of cardiac physiology required or permission of department.) Lecture: 2 hours, Lab: 2 hours

RESP 2800 - Clinical Practicum II (2 Credits)
This clinical experience allows students to apply knowledge developed through previous and current study. Students are guided and evaluated through bedside teaching. They are exposed to the diagnostic procedure of respiratory therapy and perform specific diagnostic procedures under direct supervision by the clinical director and affiliate staff. Experience in all areas of the hospital with emphasis on respiratory therapeutics, as well as home care are provided. Interpersonal skills are practiced and assessed. (Prerequisite: Successful completion of preclinical competency testing) Clinical: 144 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
RESP 2810 - Clinical Practicum III (4 Credits)
This clinical experience allows students to apply the techniques and skills of previous and current study to hospitalized patients under direct supervision. Students are introduced to the clinical application of mechanical ventilation as well as to specialized areas of patient care through bedside teaching. In addition, students prepare a case presentation of patients in these areas. Pulmonary function training also is provided. (Prerequisite: Successful completion of preclinical competency testing) Clinical: 224 hours

RESP 2820 - Clinical Practicum IV (3 Credits)
In this clinical experience, students apply all the techniques and skills of the respiratory therapist to hospitalized patients under direct and indirect supervision by the clinical director and affiliate staff. Clinical study of mechanical ventilation is completed. Students also examine neonatal and pediatric procedures. (Prerequisite: Successful completion of preclinical competency testing) Clinical: 224 hours

RHAB (REHABILITATIVE HEALTH)

RHAB 1010 - Medical Terminology for Rehabilitation (1 Credit)
This course includes an introduction to word parts building medical terms, instruction in organization of the body, directional terms, abbreviations and an overview of the different systems in the body. Students are expected to complete the course via progression through course modules. The course is offered both onsite and online. Lecture: 1 hour

RHAB 1030 - Pathophysiology for Rehabilitative Health Practitioners (3 Credits)
This course includes a systems study of pathological conditions. The structure and function of each organ system is presented. Discussion involves the etiology, signs, symptoms, diagnostic procedures, common medical/surgical management and the prevention of pathological processes as they affect each system. Students learn the implications of pathological processes on function and contraindications and precautions for treatment. This course is offered both onsite and online. Lecture: 3 hours

RHAB 1050 - Nutrition Basics (3 Credits)
This is an online interactive course designed to prepare students to understand how carbohydrates, fats and proteins function in the body; how each macronutrient, alone and when combined, undergoes integrated metabolism within tissues; and how the macronutrients integrate to affect overall metabolism, disease risk and recovery. Additionally, this course will prepare students to understand how micronutrients (vitamins and minerals) play a significant regulatory role as well as the interaction between nutrients. Students will explore the variability in micronutrient requirements between individuals and outline the signs and symptoms associated with both nutrient deficiency and excess. Other topics presented within this course are the functions of nutrients in the production, quality and consumption of foods and how they are to be prepared consistent with food safety precautions, budgeting for nutritious foods, nutrition across the lifespan, and current topics in nutrition. Lecture: 3 hours

RHAB 1070 - Nutrition Basics (3 Credits)
This course covers the subjects of human movement and locomotion by combining human anatomy with aspects of biomechanics, muscle physiology and the physical laws of gravity, leverage and motion. This course deals with specific kinesiological functions of the musculoskeletal system, characteristics of normal posture, and ambulation and an introduction to the clinical manifestations of muscle dysfunction. Students will be instructed in palpation of surface anatomy. Note: Restricted to OCTA, and PHTA students. (Prerequisite: BIOL 1010 or 1070) Lecture: 3 hours, Lab: 2 hours

RHAB 1100 - Foundational Kinesiology (3 Credits)
This online course uses a regional approach to studying the anatomical structures that create both stability and movement in the human body. With a strong focus on musculoskeletal anatomy, the student will be guided through a basic analysis of how functional movement occurs and how the body interacts functionally with the environment. Each student will complete a muscle mapping project where the attachment points of the skeletal muscles are drawn on a real miniature skeletal model. Online: 3 hours

RHAB 1110 - Kinesiology (4 Credits)
This course covers the subjects of human movement and locomotion by combining human anatomy with aspects of biomechanics, muscle physiology and the physical laws of gravity, leverage and motion. This course deals with specific kinesiological functions of the musculoskeletal system, characteristics of normal posture, and ambulation and an introduction to the clinical manifestations of muscle dysfunction. Students will be instructed in palpation of surface anatomy. Note: Restricted to OCTA, and PHTA students. (Prerequisite: BIOL 1010 or 1070) Lecture: 3 hours, Lab: 2 hours

ROTC (ARMY ROTC)

ROTC 1010 - Freshman Military Science (3 Credits)
Under auspices of Providence College Military Science Department.

ROTC 1020 - Leadership Skills (3 Credits)
Under auspices of Providence College Military Science Department.

ROTC 2050 - Sophomore Military Science (3 Credits)
Under auspices of Providence College Military Science Department.

ROTC 2060 - Advanced Leadership Skills (3 Credits)
Under auspices of Providence College Military Science Department.

ROTC 2070 - Sophomore Military Science and Lab (3 Credits)
Under auspices of Providence College Military Science Department. (Prerequisite: ROTC 2050); Spring semesters only

RUSN (RUSSIAN)

RUSN 1000 - Basic Spoken Russian I (3 Credits)
This is an introductory elective course for beginners emphasizing correct pronunciation and basic vocabulary for practical use in everyday conversational situations and travel dialogues. Students with no previous study of the language are prepared to use and understand it within a limited context and basic structure. Lecture: 3 hours

RUSN 1050 - Basic Spoken Russian I (3 Credits)
This is an introductory elective course for beginners emphasizing correct pronunciation and basic vocabulary for practical use in everyday conversational situations and travel dialogues. Students with no previous study of the language are prepared to use and understand it within a limited context and basic structure. Lecture: 3 hours

RUSN 1050 - Basic Spoken Russian I (3 Credits)
This is an introductory elective course for beginners emphasizing correct pronunciation and basic vocabulary for practical use in everyday conversational situations and travel dialogues. Students with no previous study of the language are prepared to use and understand it within a limited context and basic structure. Lecture: 3 hours
SOCS (sociology)

SOCS 1010 - General Sociology (3 Credits)
This is an introductory course presenting a description and analysis of the structure and dynamics of human society. It focuses on social norms, groups, intergroup relations, social change, stratification and institutions. Social interaction and the values that orient behavior in groups are examined. Contemporary society and its problems are discussed. Lecture: 3 hours

SOCS 2020 - Marriage and Family (3 Credits)
This is a survey of the basic factors of courtship, mate selection, engagement, marriage and rearing children in preparation for successful marriage and parenthood. Marital values and problems are discussed. The course studies the family as the basic unit in society and its relationship to society as a whole. Current changes in family life and their causes are examined. Lecture: 3 hours

SOCS 2030 - Urban Sociology (3 Credits)
This course analyzes the influences of urban interaction on group relationships. Consideration is given to multi-factors inherent in problems pertaining to urban population movements, economic dislocations, minority-majority cultural conflicts and pluralistic power patterns. The role of public media and pressure groups also is studied. Emphasis is placed on the socio-historical conceptualization of race and ethnicity, classical and contemporary sociological theories (e.g. assimilation, theories of immigration, racialization, and typologies of racism) regarding race and ethnicity. Majority-minority relations in the U.S. are also examined. SOCS 1010 is highly recommended as a prerequisite. Note: May be taken as an alternative to SOCS 1010 in Human Services. Lecture: 3 hours

SOCS 2040 - Sociological Perspectives of Race and Ethnic Relations (3 Credits)
This is a survey of the sociological aspects of intergroup relations as they pertain to race and ethnicity. Emphasis is placed on the socio-historical conceptualization of race and ethnicity, classical and contemporary sociological theories (e.g. assimilation, theories of immigration, racialization, and typologies of racism) regarding race and ethnicity. Majority-minority relations in the U.S. are also examined. SOCS 1010 is highly recommended as a prerequisite. Note: May be taken as an alternative to SOCS 1010 in Human Services. Lecture: 3 hours

SOCS 2050 - Social Problems (3 Credits)
This is a survey of the sociological aspects of major contemporary social problems in the United States. Emphasis is placed on personal pathologies (e.g., alcoholism, drug addiction, sexual pathology, suicide) population problems, educational problems, racism, sexism, ethnic problems, family problems and crime. (Prerequisite: SOCS 1010) Lecture: 3 hours

SOCS 2110 - Introduction to Anthropology (3 Credits)
This course is an introduction to the basic principles and methods of cultural anthropology. Emphasis is placed on the concept of culture as a way of explaining human behavior, with illustrations from selected preliterate societies. The biocultural evolution of mankind is covered. Lecture: 3 hours

SOCS 2300 - Criminology (3 Credits)
This course considers the nature of crime and the criminal who commits social infractions. Emphasis focuses equally on theoretical and applied criminology. Lecture: 3 hours

SOCS 2000 - General Sociology II (3 Credits)
This course is for students with little or no preparation and covers elements of the language including: conversation, pronunciation, reading, writing and grammar. Aspects of Spanish and Hispanic-American culture also are included. Lecture: 5 hours

SPAN (spanish)

SPAN 1000 - Basic Spoken Spanish (3 Credits)
This is an introductory elective course for beginners emphasizing correct pronunciation and basic vocabulary for practical use in everyday conversational situations and travel dialogues. Students with no previous study of the language are prepared to use and understand it within a limited context and basic structure. Lecture: 3 hours

SPAN 1010 Elementary Spanish I (3 Credits)
This course is for students with little or no preparation and covers elements of the language including: conversation, pronunciation, reading, writing and grammar. Aspects of Spanish and Hispanic-American culture also are included. Lecture: 5 hours

SPAN 1020 - Elementary Spanish II (3 Credits)
This is a continuation of Elementary Spanish I (SPAN 1010). (Prerequisite: SPAN 1010, 1030 or its equivalent) Lecture: 3 hours

SPAN 1040 - Elementary Spanish II (3 Credits)
This course is a continuation of SPAN 1030. Note: Course content is the same as SPAN 1020 with two fewer classroom hours per week. (Prerequisite: SPAN 1010, 1030 or its equivalent) Lecture: 3 hours

SPAN 1100 - Basic Spoken Spanish II (3 Credits)
This course is a continuation of Basic Spoken Spanish I. (Prerequisite: SPAN 1000 or its equivalent) Lecture: 3 hours

SPAN 1210 - Spanish for Human Services Personnel I (3 Credits)
This is an elective course designed for the student seeking a position in the human services field and/or the professional already working in the field. The course focuses on common situations encountered by human services professionals, providing students with many practical communication skills development and information needed for daily work routines. Correct pronunciation and basic grammar are addressed. Lecture: 3 hours

SPAN 1230 - Spanish for Law Enforcement Personnel I (3 Credits)
This is an elective course designed for the student seeking a position in the law enforcement field and/or the professional already working in the field. (This is a language elective for Law Enforcement students.) The course focuses on common situations encountered by law enforcement professionals providing practical communication skills development and information needed for daily work routines. Correct pronunciation and basic grammar are addressed. Lecture: 3 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
SPAN 1510 - Conversational Spanish I (3 Credits)
This course further develops students’ fluency in speaking Spanish. Oral practice includes active use of the language in short dialogues stressing basic communication and correct pronunciation. The reading of easy cultural texts also provides material for conversation and discussion. CDs are available for individual practice. (Prerequisite: Two years of high school Spanish or one year of college Spanish or the equivalent) Lecture: 3 hours

SPAN 1520 - Conversational Spanish II (3 Credits)
This is a continuation of Conversational Spanish I (SPAN 1510) that includes conversational practice, cultural readings and discussions. (Prerequisite: SPAN 1510 or its equivalent) Lecture: 3 hours

SPAN 1710 - Spanish for Medical Service Personnel I (3 Credits)
This course provides students an opportunity to master enough oral Spanish to deal directly with Spanish-speaking patients and family from hospital admission through discharge. Day-to-day dramatic re-creations of hospital experiences from the points of view of both nurse and patient help students improve proficiency in the use of spoken Spanish. Note: Elective credit for students in Nursing and Allied Heath fields. Lecture: 3 hours

SPAN 1720 - Spanish for Medical Service Personnel II (3 Credits)
This is a continuation of Spanish for Medical Service Personnel I (SPAN 1710). (Prerequisite: SPAN 1710 or permission of instructor) Lecture: 3 hours

SPAN 1900 - Culture of Spanish-Speaking People (3 Credits)
This course is a survey of the Spanish-speaking people from the earliest days of the Roman and Arabic occupations of Spain to the present day “cultures” in Latin America. Lecture: 3 hours

SPAN 2010 - Intermediate Spanish I (3 Credits)
This course helps students develop skills in reading and discussing texts related to Spanish and Hispanic-American culture and literature. Coursework is supplemented by further work in grammar, conversation and composition. (Prerequisite: SPAN 1020 or 1040 or the equivalent) Lecture: 3 hours

SPAN 2020 - Intermediate Spanish II (3 Credits)
This is a continuation of Intermediate Spanish I (SPAN 2010). (Prerequisite: SPAN 2010 or its equivalent) Lecture: 3 hours

SPAN 2210 - Spanish Conversation and Composition I (3 Credits)
This is an intensive course in conversation and composition. Selected cultural videos, CDs, readings and classroom discussions provide an atmosphere to develop and improve speaking and understanding of Spanish. Oral presentations and written compositions are required. (Prerequisite: SPAN 2020 or permission of instructor) Lecture: 3 hours

SPAN 2220 - Spanish Conversation and Composition II (3 Credits)
This is a continuation of Spanish Conversation and Composition I (SPAN 2210). (Prerequisite: Permission of instructor) Lecture: 3 hours

THEA (THEATRE)

THEA 1080 - Introduction to Costuming (3 Credits)
This is a basic course in costume design, including theory and practice, with units on costume history, sewing and construction. Two hours of lecture and one hour of lab weekly. (May be counted toward the Fine Arts requirement in the Liberal Arts program.) Lecture: 3 hours (plus 25 hours practical costume work within the semester)

THEA 1090 - Introduction to Theatre (3 Credits)
This course introduces students to the various aspects of theatre, focusing on the ways in which a play script is translated into a full production. Functions of the playwright, actor, director and designer are covered. (May be counted toward the Fine Arts requirement in the Liberal Arts program.) Lecture: 3 hours.

THEA 1100 - Stagecraft (3 Credits)
This is a lecture course emphasizing the development of theatre in Western and Eastern civilization. Included are various theatrical forms and styles as reflections of the historical periods in which they grew. (May be counted toward the Fine Arts requirement in the Liberal Arts program.) Lecture: 3 hours

THEA 1120 - Stagecraft (3 Credits)
This course is a survey of various aspects of technical theatre with emphasis on set design, scenic construction, scenic painting and properties. An artistic approach to a unified production concept is stressed. (May be counted toward the Fine Arts requirement in the Liberal Arts program.) Lecture: 3 hours (plus 25 lab hours within the semester)

THEA 1125 - Play Analysis for Production (3 Credits)
This course is designed to equip students with skills necessary to use a script as a “blueprint” for production, including research, analysis and interpretation. It gives an overview of different historical eras, elements of script analysis and utilization of these elements by directors, designers and actors. Lecture: 3 hours

THEA 1130 - Origins of Theatre (3 Credits)
This course is intended to engage students in discovering the significant ideas, vibrant characters and universal themes of multiculturalism through the lens of theatre. Plays to be studied will include, but will not be limited to, the works of Wilson, Nottage, Diamond, Norris, Hwang, Hudes, Lopez, Cruz and Rivera. Emphasis is on the social, cultural and philosophical implications in the representative plays. Lecture: 3 hours

THEA 1140 - Acting I (3 Credits)
This is a beginning course in acting techniques. Students participate in a variety of theatre exercises, improvisations and scenes with the purpose of self-discovery leading to character development and interpretation. (May be counted toward the Fine Arts requirement in the Liberal Arts program.) Lecture: 3 hours

THEA 1150 - Theatre for Children (3 Credits)
This course acquaints students with theory and basic practices in working with children as participants in dramatic activities and with preparing theatrical productions for the child audience. Topics include creative dramatics, improvisational games, story dramatization, puppetry, script selection and
THEA – TMSG

THEA 1160 - Movement for Actors (3 Credits)
This is a lecture-performance course in theatre considering body movement as a fundamental instrument of the actor. It deals with the basic principles, techniques and styles of movement for the actor. Major emphasis is on the various forms movement can take in creating a role (characterization) and on translating emotions into movement and dance. (May be counted toward the Fine Arts requirement in the Liberal Arts program.) Lecture: 3 hours

THEA 1170 - Theatrical Make-up (3 Credits)
This course explores the use of make-up for theatrical purposes. Students develop and implement the make-up for several different characters, including basic beauty, old age and fantasy. The history of facial styles as well as the chemical components of make-up also are covered. Students receive hands-on practical experience by helping create the make-up for one of the semester’s theatre productions. Lecture: 3 hours

THEA 1180 - Stage Lighting and Sound Production (3 Credits)
A survey of various aspects of technical theatre, with emphasis on light and sound design and execution and stage management. The course stresses an artistic approach to a unified production concept. (May be counted toward the Fine Arts requirement in the Liberal Arts program.) Lecture: 3 hours (plus 25 lab hours within the semester)

THEA 1180 - Swedish Massage (5 Credits)
Prepares students for a major in design or theatre technology at a four-year college or university. This is a capstone course for students in the Technical Theatre track at CCRI. (Prerequisites: ENGT 1060; ARTS 1010; THEA 1090, 1120 and 1180) Lecture: 3 hours

THEA 1470 - Beginning Jazz Dance (I, II, III, IV) (1 Credit) (repeatable to 4 Credits)
Introduction to the fundamental technique of jazz dance. Emphasis is placed on class participation so that students may develop their knowledge and understanding of the basic principles of jazz dance, including warm-up, isolations and choreography. Jazz dance history and historical jazz dance figures will be explored and discussed, as it pertains to the genre of jazz dance. Repeatable up to four credits. Studio: 2 hours

THEA 1480 - Dance I (I, II, III, IV) (1 Credit)
This course explores dance as an art form through familiarizing the student with various forms such as ballet, jazz and modern dance. Intensive studio experience emphasizes the acquisition of basic dance skills, kinesthetic perception, rhythmic awareness and development of strong fundamental technique. Repeatable up to four credits. Studio work: 2 hours

THEA 2140 - Acting II (3 Credits)
Continuing the work begun in Acting I, this course emphasizes increased depth in performance and further practical work in characterization, text analysis and scene preparation. (May be counted toward the Fine Arts requirement in the Liberal Arts program.) (Prerequisite: THEA 1140 or permission of instructor) Lecture: 3 hours

THEA 2200 - Theatre Graphics (3 Credits)
This course offers a survey of U.S.I.T.T. standard graphics, drafting, rendering techniques and model construction for theatrical designs (settings, lighting and costuming). It prepares students for a major in design or theatre technology at a four-year college or university. This is a capstone course for students in the Technical Theatre track at CCRI. (Prerequisites: ENGT 1060; ARTS 1010; THEA 1090, 1120 and 1180) Lecture: 3 hours

TMSG
(THERAPEUTIC MASSAGE)

TMSG 1000 - Introduction to Therapeutic Massage (2 Credits)
This course presents an overview of the field of massage therapy and the evolving roles and opportunities of the massage therapist within the health care delivery system. Topics such as history, licensure requirements, education, employment opportunities, professional organizations and the benefits of massage are covered. Ethical issues for the massage therapist are discussed. The student will learn basic techniques for hand and foot massage. The student is required to receive one full body massage from a licensed massage therapist during the semester. Lecture: 30 hours (2.5 hours in summer because of condensed time frame)

TMSG 1020 - Swedish Massage (5 Credits)
Students will learn the five standard Swedish massage strokes, as well as complementary strokes commonly used in Swedish massage. Through demonstration and practice, the students are able to perform a full-body Swedish massage in one hour. The theoretical principles of research including scientific study of professional touch is discussed. The indications, contraindications, limitations and physiological effects of these techniques are described. Introduction to documentation is provided. Students are instructed in the scope of practice, creating professional boundaries, the therapeutic relationship, approaches to care, working with hospital based clients, proper draping methods, personal and client hygiene, obtaining a medical history, proper body mechanics, basic exercises for personal care, basic first aid, creating a business brochure and OSHA regulations to provide a safe and nurturing practice environment. (Corequisite: TMSG 1040) Lecture: 3 hours, Lab: 5 hours

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
TMSG 1040 - Introduction to Eastern Modalities (2 Credits)
Students explore eastern modalities in health and wellness care. The primary focus is an introduction to the history, theory and basic practice of shiatsu therapy and acupressure. This includes a study of selected meridians, acupoints and other aspects of traditional Chinese medicine. The indications, contraindications, limitations and effects of shiatsu and acupressure are described. Students learn methods and terminology for documentation. Laboratory experience provides students with the opportunity to become comfortable with shiatsu and acupressure techniques and to learn proper mind-body mechanics for providing safe and effective treatment on the shiatsu mat and on a massage chair. Students also learn techniques for integrating shiatsu and acupressure into their Swedish massage and explore how to practice massage in a more embodied, mindful, compassionate, and ecologically attuned way. Students encounter a range of additional modalities including qi gong, yoga, t’ai chi, meditation and feng shui. Participation in all aspects of this course is required. (Corequisite: TMSG 1020) Lecture: 1 hour, Lab: 2 hours

TMSG 1140 - Integrating Eastern and Western Techniques (2 Credits)
Students will learn clinical applications of Eastern modalities in the integrative clinical practice of massage therapy. Specifically, students will learn protocols for integrating Eastern body mechanics, mind-body techniques and meridian/acupoint work into Swedish and/or deep tissue massage treatments. After a review of fundamentals of shiatsu and traditional Chinese medicine theory and practice, students will explore integrative massage strategies for addressing various ailments and improving overall health and well-being. Students will explore contemporary clinical acupuncture and shiatsu research in the development of integrative massage treatment protocols. Participation in all aspects of this course, which includes regular qi development exercises, mind-body cultivation, and integrative massage practice outside of class hours, is required. (Prerequisites: TMSG 1020, 1040; Corequisite: RHAB 1030, TMSG 1030) Lecture: 1 hour, Lab: 2 hours

TMSG 2010 - Introduction to Sports Massage (2 Credits)
This course serves as a basic introduction to the role of the sports massage therapist. The course applies concepts from anatomy and orthopedic massage, and will focus on the uses of massage in sports activities. Students will understand the benefits and learn techniques for pre-event, inter-event, post-event and maintenance massage. Students will gain skill in treatment session planning, palpation assessment and documentation. An overview of common sports injuries and conditions will be presented. Musculoskeletal concerns will be examined. Hydrotherapy as an adjunct to tissue and muscle healing will be addressed. Specific hydrotherapeutic methods will be reviewed and presented in laboratory sessions. (Prerequisites: RHAB 1030, TMSG 1020, 1030, 1040; Corequisites: TMSG 2020, 2021) Lecture: 1 hour, Lab: 2 hours

TMSG 2020 - Student Massage Clinic (3 Credits)
This course marks the first part of the student’s clinical education, focusing on integrating skills learned in previous courses, community outreach and educating the public to the benefits of clinical massage therapy. The course is conducted at the college providing massage services to clients within the community. Students will set up and run the in-house clinic under the supervision of licensed program faculty, with emphasis on clinical policies and procedures, clinical behavior, professionalism, interview skills and developing treatment plans, ethics and proper client care. Students will gain experience relative to a massage office practice, marketing, record keeping, scheduling clientele, basic accounting procedures and ensuring compliance with OSHA standards, blood borne pathogens and HIPAA training. (Prerequisites: RHAB 1030, TMSG 1020, 1030, 1040; Corequisites: TMSG 2020, 2021) Clinical: 100 hours

TMSG 2021 - Massage Practice Building (2 Credits)
This course focuses on providing students with knowledge of business management skills for massage practitioners. Students write their own business plan, research licensure issues and develop marketing tools used in establishing the “in-house” student clinic for TMSG 2020. Seminar topics include legal and ethical issues, record-keeping, taxes, pricing, bookkeeping, inventory maintenance, interviewing skills and resume development. Students are provided with an overview of OSHA, HIPAA and ADA regulations as they relate to the massage profession. (Prerequisites: RHAB 1030; TMSG 1020, 1030, 2020, 2021; Corequisite: TMSG 2020, 2120) Lecture: 2 hours

TMSG 2030 - Clinical Internship I (2 Credits)
The focus of this course is to gain experience providing massage therapy services to the healthy population, or to special populations including those with various pathologies and injuries. Students will be supervised by qualified healthcare providers employed at various community and healthcare facilities. Clinical placements are available in a variety of settings including private offices, nursing homes, group homes, athletic training facilities, and hospitals. In addition to gaining clinical experience, students will participate in record maintenance, accounting procedures, and ensuring OSHA standards in the healthcare environment. (Prerequisites: RHAB 1030; TMSG 1020, 1030, 1040, 1140, 2010, 2020, 2021; Corequisites: TMSG 2040, 2110, 2130) Clinical: 60 hours

TMSG 2040 - Foundations of Evidence-Based Outcomes for Massage (3 Credits)
This course is designed to provide students with information necessary to evaluate the effectiveness of various massage techniques, with client populations under various conditions. The emphasis is to provide the student with skills to conduct a literature search, appreciate the value of evidence-based practice for massage therapists, to critically evaluate research studies and to use the information to design more effective treatment plans. Students will demonstrate the ability to use this evidence to inform consumers, health care providers, government agencies and professional associations of the value of massage in the health care system. (Prerequisites: RHAB 1030; TMSG 1020, 1030, 1040, 1140, 2010, 2020, 2021; Corequisite: TMSG 2030, 2110, 2130) Lecture: 3 hours
TMSG 2050 - Selected Topics in Massage Therapy (2 Credits)
This course is designed to present various topics designed to increase awareness of newer concepts and techniques in massage therapy. It is open to licensed massage therapists and students in the Therapeutic Massage program. Lecture: 2 hours

TMSG 2110 - Advanced Sports Massage (2 Credits)
This course serves as an advanced level of training in the role of the Sports Massage Therapist. Athletic concepts and techniques will be expanded for use in a variety of settings. The course will focus on the uses of massage in the athletic training environment. Students will learn to assess and treat for repetitive use injuries, including hamstring strains, rotator cuff injuries, knee and foot pathologies. Cryotherapy and Thermotherapy as an adjunct to tissue and muscle healing will be addressed. Specific methods such as MET, SCS and STR as well as an in-depth study of stretching methods will be demonstrated in hands on palpation sessions. Students will learn about overtraining syndrome causes and effects and explore self-myofascial release techniques. An introduction to the Kinesio Taping method will also be provided. (Prerequisites: RHAB 1030; TMSG 1020, 1030, 1040, 1140, 2010, 2020, 2021; Corequisites: TMSG 2030, 2040, 2110) Clinical: 60 hours

TRVL (TRAVEL, TOURISM, HOSPITALITY)

TRVL 1010 - Introduction to Travel and Tourism (3 Credits)
This course provides an overview of the travel and tourism profession. Students explore a full range of travel products and destinations, as well as the business and technical skills necessary to begin a productive travel career. Lecture: 3 hours

TRVL 1020 - Destination Geography (3 Credits)
The major purpose of this course is to familiarize the student with basic travel geography as it relates to the travel and tourism industry. Major attractions of various countries at specific times, including cultural, industrial, historical and artistic displays are emphasized; and seasonal attractions such as festivals, camping and sports, etc., also are included. Lecture: 3 hours

TRVL 2010 - Computer Reservation Systems I (3 Credits)
This course is designed to give students simulated, hands-on training utilizing various computerized software programs, like SABRE, for ticketing on airlines, hotels and motels, car rental agencies and other essential parts of travel. Students start with the basic steps of building a passenger name record to the complicated entries of extensive travel itineraries. (Prerequisites: TRVL 1010 and 1020 or permission of instructor) Lecture: 2 hours, Lab: 2 hours

TRVL 2020 - Travel Agency Operations and Administration (3 Credits)
This course provides students with the background necessary to handle the day-to-day operations of a travel agency. It provides a thorough understanding of agency business, including conference requirements, location and staffing, reservations and bookings, sales reports, agency record-keeping and commissions tracking. (Prerequisites: TRVL 1010 and 1020 or permission of instructor) Lecture: 3 hours

TRVL 2030 - Conference and Convention Planning (3 Credits)
This course develops an understanding of the skills required to plan and conduct successful meetings and conventions. Topics covered include setting up timetables, selecting meeting sites, negotiating, menu planning and budgeting. Lecture: 3 hours

TRVL 2110 - Computer Reservation Systems II (3 Credits)
This course further expands the skills developed in the Computer Reservation Systems I course. It will provide the student with an opportunity to complete the most advanced areas of airline computer reservation systems. (Prerequisites: TRVL 2010 or permission of instructor) Lecture: 2 hours, Lab: 2 hours

XRAY (RADIOGRAPHY)

XRAY 1000 - Introduction to Radiography (3 Credits)
This course is designed to give prospective radiography students an introduction to allied health professions in general and to diagnostic imaging in particular. Topics include admission and graduation requirements for health programs. Medical terminology and an overview of anatomy is taught, along with basic imaging concepts. Radiation safety and patient care issues are addressed. Note: This course is a requirement for Radiography students but is open to all students. (Prerequisite or corequisite: ENGL 1010) Lecture: 3 hours

XRAY 1010 - Clinical Radiography (3 Credits)
This course familiarizes students with the field of radiological technology. Topics include basic anatomy, radiation protection and safety, as well as medical ethics and law as related to radiographic practice. The anatomy, positioning and image critique for selected procedures are included and coordinated with laboratory practice and clinical application. Students are assigned to a four-week rotation upon successful completion of the classroom and lab portion of this course. (Prerequisite: XRAY 1000) Lecture: 2 hours, Lab: 1 hour, Clinical: 40 hours per week

XRAY 1110 - Principles of Radiography 1 (3 Credits)
This course introduces students to the principles of radiographic exposure, image processing and the prime factors in radiography. (Prerequisite: XRAY 1000) Lecture: 3 hours
XRAY 1130 - Radiographic Anatomy and Physiology (3 Credits)
This course is a study of basic anatomy and physiology and provides students with the opportunity to develop an understanding of the normal functions of organs and body systems as a basis for radiological examination. (Prerequisites: XRAY 1000, 1010 and 1110) Lecture: 3 hours

XRAY 1220 - Principles of Radiography II (3 Credits)
This course is a continuation of XRAY 1110 and is designed to give the student a thorough knowledge of the manipulation of exposure factors and to construct technique charts. (Prerequisite: XRAY 1110) Lecture: 3 hours

XRAY 1230 - Patient Care for Radiographers (1 Credit)
This course is designed to develop skills needed to address the needs of patients in the radiology department. Medical asepsis, patient assessment, communication skills, patients’ rights and standard of care are addressed, in addition to routine and emergency care. (Prerequisite: XRAY 1010) Lecture: 1 hour

XRAY 1910 - Radiography I (6 Credits)
This course is a study of basic positioning for extremities, chest, abdomen and the bony thorax. Proper patient communication, radiation protection and identification of structures on radiographs are incorporated into each unit of study. This course is coordinated with practical application in the radiography laboratory and at the affiliated hospital. (Prerequisites: XRAY 1010 and 1110) Lecture: 3 hours, Lab: 1 hour, Clinical: 16 hours per week

XRAY 1920 - Radiography II (7 Credits)
This course is a study of the vertebral column, skull and facial bones. The alimentary canal, biliary tract and the urinary system are studied in relationship to the contrast agents and positioning utilized for each examination. This course is coordinated with practical application in the radiography laboratory and at the affiliated hospital. (Prerequisite: XRAY 1910) Lecture: 3 hours, Lab: 2 hours, Clinical: 16 hours per week

XRAY 1930 - Radiography III (6 Credits)
This course is designed to expand the students’ working knowledge of technique formulation and conversion factors; to help the student understand the use and limitations of the X-ray tube; to help the student develop an understanding of the function and use of various types of imaging equipment and accessories; and to examine methods for producing radiographic images in fluoroscopy, the operating room and at the patient’s bedside. This is related to the students’ ongoing clinical experience and their use of computer-assisted imaging modalities in a hospital setting. (Prerequisite: XRAY 1920) Lecture: 3 hours, Clinical: 32 hours per week

XRAY 2110 - Selected Topics in Radiography (Podiatry) (1 Credit)
This course is for individuals interested in developing or maintaining diagnostic imaging skills. Course content requires background or employment in podiatric medicine. Lecture: 1 hour

XRAY 2340 - Quality Assurance in Radiography (1 Credit)
This course is designed to examine the effective functioning of a radiology department. Methods for evaluating quality, equipment testing and documentation will be discussed, as well as the role of the registered radiographer in maintaining quality. (Prerequisite: XRAY 1930) Lecture: 1 hour

XRAY 2410 - Introduction to Radiation Biology (3 Credits)
This course presents basic radiobiology in relationship to the possible genetic and somatic effects of radiation dependent upon dose and the rate to specific types of human cells, organs and systems. Every known method used to limit ionizing radiation from diagnostic examinations is presented. (Prerequisites: XRAY 1130, PHYS 1110) Lecture: 3 hours

XRAY 2420 - Radiographic Pathology (1 Credit)
This course deals with the specialized and highly technical procedures in radiography, the equipment and contrast media employed and the general indications for each examination. This course is coordinated with practical application in the radiographic laboratory and the clinical affiliate, where practical skills associated with these procedures are developed. (Prerequisite: XRAY 1930) Lecture: 3 hours, Lab: 1 hour, Clinical: 24 hours per week

XRAY 2430 - Sectional Imaging (3 Credits)
This course is a study of human anatomy from a sectional perspective. The anatomy of the head, neck, thorax, abdomen, pelvis and vertebral column are studied. This anatomy is related to the use of computer-assisted imaging modalities. Common pathological findings in each area are discussed. (Prerequisite: XRAY 1130) Lecture: 3 hours

XRAY 2440 - Applied Radiographic Physics and Technique (3 Credits)
This course allows students to apply the principles of physics in examining the function and capabilities of complex imaging systems. It includes methods of data acquisition, manipulation, display and storage for computer-assisted imaging modalities. The application of imaging principles to nontraditional patient populations also is discussed. (Prerequisites: XRAY 1220 and 1920) Lecture: 3 hours

XRAY 2450 - Medical Imaging Physics (1 Credit)
This course covers the principles of medical imaging physics and the use of medical imaging modalities. It includes the physics of image formation, the physical properties of diagnostic imaging systems, and the techniques used in medical imaging. (Prerequisites: XRAY 1130 and 1920) Lecture: 1 hour

XRAY 2460 - Applied Radiographic Physics and Technique (3 Credits)
This course allows students to apply the principles of physics in examining the function and capabilities of complex imaging systems. It includes methods of data acquisition, manipulation, display and storage for computer-assisted imaging modalities. The application of imaging principles to nontraditional patient populations also is discussed. (Prerequisites: XRAY 1220 and 1920) Lecture: 3 hours

XRAY 2470 - Radiographic Pathology (1 Credit)
This course examines the most common congenital and acquired diseases that are demonstrated radiographically. Etiology, symptoms, treatment and prognosis are discussed. Students evaluate the quality of radiographs of patients with these conditions. (Prerequisite: XRAY 1930) Lecture: 1 hour

XRAY 2470 - Radiographic Pathology (1 Credit)
This course examines the most common congenital and acquired diseases that are demonstrated radiographically. Etiology, symptoms, treatment and prognosis are discussed. Students evaluate the quality of radiographs of patients with these conditions. (Prerequisite: XRAY 1930) Lecture: 1 hour

XRAY 2910 - Radiography IV (6 Credits)
This course deals with the specialized and highly technical procedures in radiography, the equipment and contrast media employed and the general indications for each examination. This course is coordinated with practical application in the radiographic laboratory and the clinical affiliate, where practical skills associated with these procedures are developed. (Prerequisite: XRAY 1930) Lecture: 3 hours, Lab: 1 hour, Clinical: 24 hours per week

XRAY 2920 - Radiography V (4 Credits)
This course requires students to prepare a research project that forms the basis for a written paper and an oral presentation. Students also are required to read and evaluate material on selected topics in health care and new imaging modalities. Mastery of previously learned material is evaluated by comprehensive examinations. Mastery of clinical skills built on previously learned material also is evaluated. Observations in associated imaging modalities are required. (Prerequisite: XRAY 2910) Lecture: 1 hour, Clinical: 24 hours per week

Prerequisite: Successful completion of course required before registering. Corequisite: Course must be taken prior to or at the same time.
Abreu, Lillian D., Admissions Officer
B.S., M.Ed., University of Rhode Island

Albini, Marisa, Director of Alumni Affairs, Institutional Advancement
A.S., Dean Junior College; B.A., M.A., University of Rhode Island

Alexander, Tanekar Y., Counselor-Student Development, Advising and Counseling
A.A., Community College of Rhode Island; M.A., Rhode Island College; B.A., M.S., University of Massachusetts-Lowell

Allio, Mark, Director, Workforce Training and Corporate Education
B.A., York University; M.B.A., Babson College

Alves, Deborah, Administrative Assistant, Advising and Counseling
A.S., Community College of Rhode Island

Amadis, Sindy, Enrollment Services Representative, Enrollment Services
A.S., Community College of Rhode Island

Anderson, Elizabeth J., Information Services Tech I, Library

Annunziata, Lori-Ann, Technical Staff Assistant, Biology
B.S., Rhode Island College

Araujo, John B., Assistant Director of Admissions, Enrollment Services
B.S., M.B.A., University of Rhode Island; M.S., Ellis University

Arce, Cindy L., Records Analyst, Enrollment Services
A.S., Community College of Rhode Island

Archetto, Michael, Assistant Buildings and Grounds Supervisor, Physical Plant, Knight Campus
A.A., Community College of Rhode Island

Arias, Mary Luz, Senior Financial Aid Officer, Financial Aid
B.S.W., Rhode Island College

Arrianan, Tania M., Technical Staff Assistant, Advising and Counseling
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Arruda, Paula, Information Services Tech II, Physics
A.A., Community College of Rhode Island; B.A., University of Rhode Island

Baker, LaToya, Staff Assistant II, Center for Workforce and Community Education
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Bannan, Kathrine M., Assistant Bursar, Bursar’s Office, Flanagan Campus
A.A., Community College of Rhode Island; B.A., University of Rhode Island

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Diploma, Massachusetts General Hospital School of Nursing; B.S.N., M.S., Russell Sage College

Melucci, Robert F., Professor of Mathematics
B.S., M.S., University of Rhode Island; M.S., Florida Institute of Technology

Michelleti, Brenda, Assistant Professor of English
B.S., M.A., University of Rhode Island

Miele, Paul, Assistant Professor of Biology
A.A., Community College of Rhode Island; B.S., University of Rhode Island; D.C., National University of Health Sciences

Miller, James, Associate Professor of History
B.A., Kalamazoo College; M.A., Indiana University; Ph.D., University of Chicago

Miller, Philip N., Professor of Engineering and Technology
A.S.M.B.T., B.S.I.T., Roger Williams University; M.B.A., Providence College; M.S.I.E., Ph.D., University of Rhode Island

Minuto, James, Professor of Political Science
A.B., Brown University; M.A., Graduate Faculty of the New School for Social Research; J.D., Loyola Law School (Los Angeles)

Montalbano, John, Assistant Professor of Criminal Justice and Legal Studies
B.A., Boston College; J.D., St. John’s University

Montgomery, Karen, Assistant Professor of Biology
B.S., M.S., University of Rhode Island

Morais, Elizabeth, Professor of Foreign Languages and Cultures
B.A., University of Massachusetts; M.A., University of Rhode Island

Morgan, Charles D. III, Assistant Professor of History
A.A., Community College of Rhode Island; B.A., M.A., University of Rhode Island

Morgan-Gardner, English, Assistant Professor of Human Services
B.S., Morgan State University; M.S., Ph.D., Graduate Certificates, Capella University;

Morrissey, Thomas F., Professor of Art
A.A., Miami Dade Community College; B.A., University of Florida; M.F.A., Arizona State University; C.A.G.S., Rhode Island College

Mossberg, Arthur M., Assistant Professor of English
B.S., Rensselaer Polytechnic Institute; M.Ed., Rhode Island College

Mowry, John, CCNA, CCNP, CCAI, Associate Professor of Engineering and Technology
B.S., M.S., Rhode Island College

Mrozek, Ellen L., Professor of English
A.A., Rhode Island Junior College; B.A., University of Rhode Island; M.A., American University; M.A., Rhode Island College

Mugnai, Metello, Assistant Professor of Foreign Languages and Cultures
Laurea in Lettere, Università degli Studi di Firenze (Italy); Ph.D., University of North Carolina-Chapel Hill

Mullaney, Jeanne P., Professor of Foreign Languages and Cultures, Faculty Assessment Coordinator
B.A., M.A., University of Rhode Island; M.Ed., Rhode Island College

Murphy, Lisa, Assistant Professor of Nursing
B.S., Saint Anselm’s College; M.S., University of Rhode Island

Murphy, M. Kelly, NPP, Associate Professor of Nursing
B.S., Rhode Island College; M.S., Massachusetts Institute of Health Professionals

Murray, Steven D., Chair, Professor of Criminal Justice and Legal Studies
B.A., Boston College; J.D., Boston College Law School

Najarian, Dennis, Associate Professor of History
A.A., Rhode Island Junior College; B.A., M.A., Rhode Island College

Nardone, Michael, Assistant Professor, Director, Occupational Therapy Assistant Program
B.A., University of Rhode Island; M.S., Boston University
Nauman, Barbara, Assistant Professor of Business
B.A., North Adams State College (now Massachusetts College of Liberal Arts); M.B.A., Johnson & Wales University

Noël, Emily, Assistant Professor of Music
B. Music, University of Maryland-College Park; M.M., Johns Hopkins Peabody Institute

Nordquist, Jeanne B., Professor of Office Administration
B.S., Bryant University; M.Ed., Rhode Island College

Norquist, Marjorie, Professor of Nursing
B.S., M.A., M.P.A., University of Rhode Island

O’Rourke, Karen, Assistant Professor of Nursing
A.A., Community College of Rhode Island; B.S.N., Rhode Island College; M.S.N., University of Rhode Island

O’Leary, Ann M., Professor of English
B.S., M.Ed., Rhode Island College

Omollo, Ann O., Associate Professor of Chemistry
B.Sc., Egerton University (Kenya); Ph.D., Miami University

Orabone, Joanne, Associate Professor of Business
B.S., Bryant University; M.A., University of Rhode Island

Orsiniello-Jordan, Melissa, Assistant Professor, RDMS (BR) (AB) Instructor, Clinical Coordinator, Diagnostic Medical Sonography
A.S., Community College of Rhode Island; A.S., B.S., Johnson & Wales University; M.S., University of Rhode Island

Owens, John, Professor of Physics
B.A., M.S., Ph.D., University of Connecticut

Paciti, William A., Professor of Psychology
B.A.; Providence College; M.A., Ph.D., University of Rhode Island

Panaccione, Carol A., Professor of Foreign Languages and Cultures
B.A., Providence College; M.A., Middlebury College; M.A., University of Rhode Island

Panoutsopoulos, Basile, Assistant Professor of Engineering and Technology
B.S.E.E., New Jersey Institute of Technology; M.E. (EE), The City College, CUNY; M.S. (Appl. Math.), New Jersey Institute of Technology; Ph.D., The Graduate School, CUNY

Paquet, Donald, CDP, Professor of Computer Studies and Information Processing
B.S., Bryant University; M.Ed., Rhode Island College

Parker, Shawn Assistant Professor of Art
B.A., University of Connecticut-Storrs; M.A., State University of New York-Binghamton

Parks, Amy, Assistant Professor of Nursing
B.S.N., Fitchburg State College; M.S.N., University of Hawaii

Panillo, Denise F., Associate Professor of English
B.A., Rhode Island College; M.A., Pennsylvania State University

Parry, Joseph H., Professor of Criminal Justice and Legal Studies
A.B., Providence College; J.D., New England School of Law

Patnaude, Carol, Chair, Associate Professor of Human Services
A.A., Rhode Island Junior College; B.A., M.Ed., Rhode Island College

Pellicio, William J., LICSW, LCPD, Professor of Human Services
B.A., Providence College; M.S.W., Rhode Island College

Pelto, Wendy, Professor of Physical Education
B.S., University of Bridgeport; M.S., Indiana State University

Pendola, Richard G., Professor of Biology
B.A., Gordon College; M.M.L.I.S., University of Rhode Island

Penta, Elizabeth, Associate Professor, Library
B.A., Gordon College; M.L.I.S., University of Rhode Island

Pepe, Beverly, Professor of Mathematics
B.A., M.A., Rhode Island College

Perkins, Sharon E., RT (R)(M), ARRT, Chair, Allied Health; Professor, Director, Radiography Program
B.A., M.Ed., Rhode Island College

Peterson, Christine E., Professor, Library
B.A., M.L.S., University of Rhode Island

Petron, Allison, Associate Professor of English
B.A., Harvard University; M.A., University of Rhode Island

Petits, Dr. Douglas A., Professor of Criminal Justice and Legal Studies
A.B., Brown University; J.D., Suffolk University Law School

Pezzillo, Maria L., Assistant Professor of Nursing
B.S.N., Rhode Island College; M.N., University of Phoenix

Pezzillo, Robert, Assistant Professor of Administrative Office Technology
A.S., Community College of Rhode Island; B.S., Rhode Island College; M.B.A., University of Phoenix

Poirier, Catherine, Associate Professor, Library
B.S., M.L.I.S., University of Rhode Island

Powis, Dale, Professor of Nursing
B.S.N., Fitchburg State College; M.S., University of Rhode Island; Post Master’s Certificate, University of Massachusetts

Prisco, Rosemary, Professor of English
A.B., Salve Regina College; A.M., Brown University

Pulver, Ruth, Associate Professor of Nursing
B.S., M.S., University of Rhode Island

Rajotte, Donna A., RNP, MS, MSN, CS, Professor of Nursing
Diploma, St. Joseph Hospital School of Nursing; B.S.N., Rhode Island College; M.S., University of Rhode Island; M.S., Northwestern State University of Louisiana; Certified Family Nurse Practitioner, University of Rhode Island

Rameika, Anne Marie, RNP, Professor of Nursing
B.S., M.S., University of Rhode Island

Rapczak, John J., Professor of Economics
B.S., M.S., University of Rhode Island

Rashid, Tony, CCAL, CCIT, Technical Professor II of Engineering and Technology
A.A.S., Community College of Rhode Island

Read, E. Courtney, Assistant Professor of Human Services
B.S., University of Maine-Orono; M.Ed., Johnson & Wales University

Renzi, Gerald T., CPA/PFS, CFP, Professor of Business
B.S., University of Rhode Island; M.B.A., Bryant University

Renz, John S., CPA, Professor of Business
B.S.B.A., Bryant University; M.B.A., Providence College

Ribezzo, John S., CPA, CMA, CIA, CFM, Chair, Professor of Business
A.S., Rhode Island Junior College; B.S.B.A., Bryant University; M.B.A., Plymouth State University; M.S., University of Rhode Island

Rieger, Duayne M., Assistant Professor of Geology and Physics
B.S., Slippery Rock University of Pennsylvania; M. Phil., Ph.D., Yale University

Rivera, Ricardo, Assistant Professor of Art
B.F.A., Sacramento City College; M.F.A., San Francisco Art Institute

Robert, Cecile, CPA, Associate Professor of Finance
B.S., Bryant University; M.S.T., Bentley College

Robinson, Jody S., PE, Associate Professor of Engineering
B.S., M.S., University of Rhode Island

Rogers, Rachel A., Assistant Professor of Psychology
B.A., Auburn University; M.A., M.S., Ph.D., University of New Hampshire

Rood, John, Associate Professor of Nursing
A.D.N., Springfield Technical Community College
B.A., University of Massachusetts-Dartmouth
B.S.N., M.S.N., University of Massachusetts-Amherst

Rowey, Carol A., Professor of Business
B.S., M.S., University of Rhode Island; M.A., Boston State College; M.B.A., Bryant University

Royal, Lewis F., Jr., Professor of Biology
B.A., M.S., Ph.D., University of Rhode Island

Ruggieri, Sasha N., Associate Professor of English
A.A., Community College of Rhode Island; B.S., Nova Southeastern University; M.A., Salve Regina University

Ryan, Laura J., Associate Professor, Library
B.A., University of Alaska-Anchorage; M.L.I.S., University of Rhode Island

Salisbury, James, Associate Professor, Chair, Library
B.A., Rhode Island College; M.L.I.S., University of Rhode Island

Salvatore, Marilyn, Assistant Professor of Performing Arts
B.F.A., University of Rhode Island; M.F.A., University of Illinois - Urbana
Santoro, Gina A., Associate Professor of English
B.A., Rhode Island College;
M.F.A., Goddard College;
M.Ed., Providence College

Saris-Baglama, Renee, Assistant Professor of Psychology
B.A., M.A., Ph.D., University of Rhode Island

Scally, Donna T., Associate Professor of Nursing
B.S.N., Rhode Island College;
M.N., University of Phoenix

Scally, Keith, Assistant Professor of Nursing
B.S.N., Salve Regina University;
M.S.N., St. Joseph’s College

Schmitz, Janice I., CDA, RDH, Assistant Professor of Dental Health
A.A.S., Community College of Rhode Island;
B.S., M.S.D.H., University of Bridgeport

Seyler, Michele, Assistant Professor of English
B.S., Northwestern University;
M.A., TESOL, California State University

Sherman, Laurie, Professor of English
B.A., Providence College;
M.A.T., Boston College

Sienkiewicz, Susan, Professor of Nursing
B.S.N., Villanova University;
M.A., New York University

Silverberg, Berthold S., Professor of Theatre
B.S., Syracuse University;
M.A., New York University

Skelly, Ramona, Professor of Mathematics
B.A., M.A., Rhode Island College

Smith, Cynthia, Professor of Art
B.A., Jackson College, Tufts University;
M.A.E., Rhode Island School of Design;
D.A.A.D., Staatliche Akademie
DerBildenden Kunste, Stuttgart, West Germany

Sneesby, Sandra Luzzi, Associate Professor of Computer Studies
B.S., Rhode Island College;
M.A., M.F.A., Emerson College

Soffientino, Bruno, Assistant Professor of Biology
B.S., Ph.D., University of Rhode Island

Soter, Melanie, Assistant Professor, Library
B.A., Clark University;
M.S.L.I.S., Simmons College

Stewart, Timothy, Assistant Professor of English
B.A., SUNY Center – Albany;
M.A., Portland State University

St. Pierre, Debra, MS, CLS, SBB, MT (ASCP)
Associate Professor of Clinical Laboratory Technology, Phlebotomy Program Director
B.S., Rhode Island College;
M.S., California College of Health Sciences

St. Pierre, Kerri, Assistant Professor of Nursing
B.S.N., M.S.N., University of Massachusetts-Dartmouth;
M.B.A., Johnson & Wales University

Stockford, Jason, Assistant Professor of Mathematics
B.A., M.S., University of Rhode Island

Stone, Nancy E., CCRN, NP, Professor of Nursing
B.S.N., Anna Maria College;
M.S., Ph.D., University of Massachusetts

Suglia, Cheryl, Associate Professor of Mathematics
B.S., Providence College;
M.S., University of Massachusetts

Suits, Wayne, Professor of Chemistry
B.A., Rhode Island College;
M.S., Brandeis University

Sullivan, Cynthia, Assistant Professor of Nursing
B.S.N., M.S.N., University of Massachusetts-Dartmouth

Sullivan, Melissa, Professor of Dental Health
R.D.H., B.S., M.A., University of Rhode Island;
M.Ed., Rhode Island College

Susi, Holly J., Associate Professor of English
A.S., Community College of Rhode Island;
B.A., M.A., Rhode Island College;
M.A., University of Rhode Island

Sutherland, Luke J., Associate Professor of Theatre
B.A., M.F.A., Rhode Island College

Swift, Tara, CDA, Assistant Professor of Dental Health
B.S., University of Idaho;
M.S., Eastern Washington University

Tavares Proulx, Rosemarie, Instructor, Allied Health
B.A., Rhode Island College

Tennant, David, Assistant Professor of English
B.A., University of California – San Diego;
M.A., Boston College

Terezakis, Emanuel G., Professor of Chemistry
B.S., Massachusetts Institute of Technology;
Ph.D., Brown University

Tessier, Richard G., Associate Professor of English
B.A., M.A., Rhode Island College

Thibeault, Christopher, Assistant Professor of Computer Studies
B.A., B.S., M.S., University of Rhode Island

Townsend, Heather, Assistant Professor of Biology
B.S., University of Rhode Island;
M.S., Ph.D., University of Florida

Traficante, Regina M., Assistant Professor of Psychology
B.A., University of Rhode Island;
M.A., Rhode Island College;
C.A.G.S., Ph.D., Salve Regina University

Trainor, Kira L., Associate Professor of English
B.A., M.A.T., Rhode Island College

Trombetti, Isabel, Associate Professor of Psychology
B.A., M.A., Rhode Island College;
Ph.D., University of Rhode Island

Tullie, Joan, FCNS, Associate Professor of Nursing
A.S., Community College of Rhode Island;
B.S., Salve Regina University;
M.S., Fitchburg State College

Valicenti, Soudabeh, Associate Professor of Mathematics
B.S., M.S., Ph.D., University of Rhode Island

Vann, Amanda, Assistant Professor of Psychology
B.A., M.A., Rhode Island College

Verdi, Geneieve, Assistant Professor of Psychology
B.A., University of Vermont;
M. Ed., Seton Hall University;
Ph.D., University of Rhode Island

Vigneault, Martha, PT, DPT, MS, Professor of Physical Therapist Assistant Program
B.S., Northeastern University;
M.S., Texas Woman’s University;
D.P.T., Simmons College

Villarica, GinaLyn, Assistant Professor of Nursing
B.S.N., Brokenshire College;
M.A., Simmons College;
M.A.N., Atenco de Davao University

Vitorello, William, Assistant Professor of Nursing
A.S., Community College of Rhode Island;
B.S., Northeastern University;
B.S.N., Rhode Island College;
M.S.N., Simmons College

Vito, David R., Chair, Assistant Professor of Biology
A.S., Community College of Rhode Island;
B.S., M.A., Rhode Island College

Wallace, Maria, Professor, Library
B.A., M.L.S., University of Wisconsin

Walsh, Evelyn M., Assistant Professor of Mathematics
B.S., University of Rhode Island;
M.A., Rhode Island College

Warila, R. Scott, Associate Professor of Biology
A.S., Community College of Rhode Island;
B.S., M.S., University of Rhode Island

Warren, JoAnn, Professor of Business
B.G.S., M.Ed., Rhode Island College;
C.A.G.S., University of Connecticut

White, Paul D., Associate Professor of Geology
B.Sc., Acadia University;
M.S., University of Rhode Island;
Ph.D., Louisiana State University

Willard, Ellen M., Professor of English
B.A., M.A., Northeastern University

Williams, Gerald E., Assistant Professor of Psychology
B.A., M.A., Rhode Island College;
C.A.G.S., Northeastern University;
M.Ed., Ed.D., Harvard University

Winmill, Beth, Professor of Nursing
B.S., M.S., Boston College

Wood, Pamela J., Professor of Dental Health
A.S., B.S., University of Vermont;
M.Ed., Rhode Island College;
C.A.G.S., California State

Worsley, John A., Professor of Human Services
A.B., M.A.T., Brown University;
Ph.D., Clark University

Wyllie, Nancy E., Professor of Art
B.F.A., Ithaca College;
M.A.E., Rhode Island School of Design;
M.F.A., Tulane University

Yordy, Denise M., Professor of Biology
B.S., Muhlenberg College;
Ph.D., Cornell University
DIRECTORY OF FACULTY

Younkin, Robyn, Professor of English
   B.A., Rhode Island College;
   M.A., University of New Hampshire

Zannella, Edward P., Professor of Mathematics
   A.B., Providence College;
   M.A.T., Rhode Island College

Zellers, Mark, Associate Professor of Art
   B.F.A., University of Wisconsin;
   M.F.A., University of Massachusetts

Zuromski, Edmond S., Professor of Psychology
   B.A., New Mexico State University;
   M.A., SUNY Binghamton;
   Ph.D., University of Rhode Island
NOTIFICATION OF STUDENT RIGHTS UNDER FERPA

The Family Educational Rights and Privacy Act (including its implementing regulations, “FERPA”) affords students certain rights with respect to their education records, as defined in FERPA. These rights include:

1. The right to inspect and review the student’s education records within 45 days of the day the community college receives a request for access.
   A student should submit to the Office of Enrollment Services the “Student Request To Inspect and Review Education Records” form that identifies the record(s) the student wishes to inspect. The Office of Enrollment Services will make arrangements for access and notify the student of the time and place where the records may be inspected.

2. The right to request the amendment of the student’s education records that the student believes are inaccurate, misleading or otherwise in violation of the student’s privacy rights under FERPA.
   A student who wishes to ask the community college to amend a record should write to the community college official responsible for the record (as identified by the Office of Enrollment Services), clearly identifying the part of the record the student wants changed and specify why it should be changed.

   If the community college decides not to amend the record as requested, the community college will notify the student in writing of the decision and the student’s right to a hearing regarding the request for amendment at the Office of the Associate Vice President for Student Services. Any additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to provide written consent before the community college discloses personally identifiable information from the student’s education records, except to the extent that FERPA authorizes disclosure without consent.
   The community college discloses education records without a student’s prior written consent under one FERPA exception for disclosure to school officials with legitimate educational interests. A school official is a person employed by the community college or the Rhode Island Board of Education (the “RIBE”) in an administrative, supervisory, academic, research or support staff position (including law enforcement unit personnel and health staff); an individual or a private or governmental entity (including, for example, any other institution in the Rhode Island system of public higher education) with whom the community college or the RIBE has contracted as its agent to provide a service to the community college instead of using community college or RIBE employees or officials, (such as an attorney, auditor, collection agent), whether or not that individual or entity is compensated for that service; a person serving on the RIBE; or a student or volunteer serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

   A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the community college or the RIBE.

   Upon request, the community college also discloses education records without consent under another FERPA exception to officials of another school in which a student seeks or intends to enroll or is already enrolled so long as the disclosure is for purposes related to the student’s enrollment or transfer.

   FERPA contains other exceptions to a student’s right to provide written consent before the community college discloses personally identifiable information from the student’s education records.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the community college to comply with the requirements of FERPA.
   The name and address of the office that administers FERPA is:
   Family Policy Compliance Office
   U.S. Department of Education
   400 Maryland Avenue, SW
   Washington, DC 20202-5901

PUBLIC NOTICE FOR DIRECTORY INFORMATION UNDER FERPA

The Family Educational Rights and Privacy Act (including its implementing regulations, “FERPA”) requires that the community college, with certain exceptions, obtain a student’s consent prior to the disclosure of personally identifiable information from the student’s education records. The community college, however, may disclose appropriately designated “directory information” without the student’s written consent, unless the student has advised the community college to the contrary in accordance with the community college’s procedures. Directory information is information contained in an education record that would not generally be considered harmful or an invasion of privacy if disclosed. Directory information may be used in community college publications, and may be disclosed to any person or organization whether or not affiliated with the community college, without the student’s written consent.

The community college has designated the following types of personally identifiable information concerning a student as directory information:

- Name
- Address
- Official community college electronic mail address
- Telephone listing (other than cellular telephones)
- Date of birth
- Major field of study
- Dates of attendance
- Class level
- Enrollment status (enrolled or not, full time or part time)
- Participation in officially recognized activities and sports
- Degrees, honors and awards received (including dates)
- Existence or nonexistence of a pending or accepted application for enrollment
- Most recent educational agency or institution attended

If a student does not want the community college to disclose directory information from the student’s education records without her or his prior written consent, the student must sign and deliver to the Office of Enrollment Services (“OES”) the form entitled “Refusal To Permit Designation of Directory Information.” Any “Refusal To Permit Designation of Directory Information” is effective for the remainder of the academic year during which it is signed and delivered by the student unless it is withdrawn as required on the form. Any “Refusal To Permit Designation of Directory Information” will not apply in a subsequent academic year during which the student attends the community college unless renewed. There is no deadline for signing and delivering a “Refusal To Permit Designation of Directory Information,” but until it is signed and delivered, it will be assumed that the above information may be disclosed for the remainder of the current academic year.
# High School Codes

<table>
<thead>
<tr>
<th>School Name</th>
<th>Code</th>
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<tbody>
<tr>
<td>Academy for Career Exploration (formerly Teetran Chamber of Commerce Academy)</td>
<td>400146</td>
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<tr>
<td>Alternate Learning Project</td>
<td>400143</td>
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<td>Dr. Jorge Alvarez High School</td>
<td>400001</td>
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<tr>
<td>Apponaug Christian Academy</td>
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<tr>
<td>Aquidneck Island Christian Academy</td>
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<td>Attleboro High School</td>
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<td>Barrington Christian Academy</td>
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<td>Barrington High School</td>
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<tr>
<td>Beacon Charter School</td>
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<tr>
<td>Bellingham Memorial Jr.-Sr. High School</td>
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<tr>
<td>Bishop Connolly Regional High School</td>
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<td>Bishop Feehan High School</td>
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<td>Bishop Hendricken High School</td>
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<td>Bishop Keough Regional High School</td>
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<td>Blackstone Academy Charter School</td>
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<td>Blackstone-Millville Regional High School</td>
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<td>Blackstone Valley Baptist Academy</td>
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<td>Blackstone Valley Reg. Voc. Tech. High School</td>
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<td>Case High School</td>
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<td>Classical High School</td>
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<td>Convent of the Sacred Heart</td>
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<td>Coventry High School</td>
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<td>Coyle-Cassidy Memorial High School</td>
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<td>Cumberland High School</td>
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<td>Davies Career and Technical High School</td>
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<td>Dighton-Rehoboth Regional High School</td>
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<td>Exeter-West Greenwich</td>
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<td>Regional Jr.-Sr. High School</td>
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<tr>
<td>Feinstein High School</td>
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<td>First Baptist Christian School</td>
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<td>Fletcher Preparatory</td>
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<td>Foxborough High School</td>
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<td>GED® credentials</td>
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<td>Global Learning Public Charter School</td>
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<tr>
<td>Greene School</td>
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<td>Highlander Charter School</td>
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### College Codes

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Note: The codes listed are specific to the given source and may not correspond directly to U.S. Department of Education codes.
Follow CCRI on social media

Directions to Campuses

Main Campuses:

KIGHT CAMPUS, WARWICK
420 East Avenue.
The Knight Campus is located on a 20-acre site adjacent to I-95, and easily accessible by Route 113. If traveling north on I-95, take Exit 19 (Eddy Street/Rhode Island Hospital). Take a right at the second traffic signal (across from the entrance to Rhode Island Hospital). Turn left onto Route 246. Continue for 0.1 mile. Take the second left onto Washington Street. Turn left onto Willard Avenue. Take a left onto Standard Street. The campus entrance is on the right.

KIGHT CAMPUS, PROVIDENCE
One Hillside St.
The main Providence campus is located almost seven miles north of downtown on the capital city’s south side. If traveling north on I-95, take Exit 19 (Rhode Island Hospital). Bear left onto I-195 north. Take the Breakneck Hill Road Exit 12B. Bear left onto Breakneck Hill Road. At the first traffic light, turn left onto Route 246. Continue for 0.1 miles. The campus entrance will be on the right.

KIGHT CAMPUS, LINCOLN
1762 Louisquisset Pike
The Flanagan Campus occupies a 350-acre site off US Route 1 on Lincoln’s Flanagan Campus. It features and is building component of three connected modules, totaling nearly one-half acre of floor space.

If traveling north on I-95, take Exit 19. Take Exit 22 at Route 146 north and follow directions below for traveling west on Route 146.

If traveling north on I-95, take Exit 23 (Charles Street). Turn right onto Charles Street and continue straight for approximately 0.3 miles. Following signs for Route 146 north. At the second traffic signal (across from the entrance to Home Depot), turn left onto RH-146 north and follow directions below for traveling on Route 146.

If traveling north on I-95, take Exit 23 (Charles Street). Turn right onto Charles Street and continue straight for approximately 0.3 miles. Following signs for Route 146 north. At the second traffic signal (across from the entrance to Home Depot), turn left onto RH-146 north and follow directions below for traveling on Route 146.

NewPORT COUNTY CAmpUS, NEWport
In Newport, the campus is a short walk from Kennedy Plaza, the hub of all Rhode Island Public Transit Authority lines. Be sure to call Kennedy Plaza for fare and route information, or visit its website at www.ripta.com.

From I-95 south, take Exit 23 (Rhode Island Avenue) and proceed straight onto John J. Partington Way. At the second left turn Washington Street. The Shepard Building is located on the corner of Union and Washington streets.

From I-95 north, take Exit 23 (Blackwells Avenue). Bear right off exit ramp and proceed straight onto Empire Street. At the next left turn Washington Street. The Shepard Building is located on the corner of Union and Washington streets.

WESTBURY HIGH SCHOOL, WESTBURY
22 Ward Avenue
CCRI’s suburban campus at Westbury High School is expanding its offerings every fall. Overall, more than 30 students are enrolled in southern Rhode Island and eastern Connecticut to take advantage of credit courses closer to home.
Take I-95 to Exit 1 and merge onto RI-3 south (Blackwells Road). Take I-3 north to Exit 9 (Washington Street). Continue to follow Washington Street for 1.4 miles. Turn right onto Narragansett Avenue, then right onto Washington Street.

SHEPARD BUILDING PROVIDENCE
8 Washington St.
CCRI’s secondary Providence campus is located in the historic Shepard Building in the heart of downtown Providence, between Washington and Westminster streets.

For bus: The campus is a short walk from Kennedy Plaza, the hub of all Rhode Island Public Transit Authority lines. Be sure to call Kennedy Plaza for fare and route information, or visit its website at www.ripta.com.

From I-95 south, take Exit 21 (Broadway). Bear right off exit ramp and proceed straight onto Empire Street. At the next left turn Washington Street. The Shepard Building is located on the corner of Union and Washington streets.

Main Campuses:

FLANAGAN CAMPUS, LINCOLN
1762 Louisquisset Pike
The Flanagan Campus occupies a 350-acre site off US Route 1 on Lincoln’s Flanagan Campus. It features and is building component of three connected modules, totaling nearly one-half acre of floor space.

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From I-95 north, take Exit 23 (Blackwells Avenue). Bear right off exit ramp and proceed straight onto Empire Street. At the next left turn Washington Street. The Shepard Building is located on the corner of Union and Washington streets.

WESTBURY HIGH SCHOOL, WESTBURY
22 Ward Avenue
CCRI’s suburban campus at Westbury High School is expanding its offerings every fall. Overall, more than 30 students are enrolled in southern Rhode Island and eastern Connecticut to take advantage of credit courses closer to home.
Take I-95 to Exit 1 and merge onto RI-3 south (Blackwells Road). Take I-3 north to Exit 9 (Washington Street). Continue to follow Washington Street for 1.4 miles. Turn right onto Narragansett Avenue, then right onto Washington Street.

Satellite Campuses:

Shedding Building Providence
8 Washington St.
CCRI’s secondary Providence campus is located in the historic Shepard Building in the heart of downtown Providence, between Washington and Westminster streets.

For bus: The campus is a short walk from Kennedy Plaza, the hub of all Rhode Island Public Transit Authority lines. Be sure to call Kennedy Plaza for fare and route information, or visit its website at www.ripta.com.

From I-95 south, take Exit 21 (Broadway). Bear right off exit ramp and proceed straight onto Empire Street. At the next left turn Washington Street. The Shepard Building is located on the corner of Union and Washington streets.

From I-95 north, take Exit 23 (Blackwells Avenue) and proceed straight onto East City. Travel straight for about one-third mile. Take the second left onto Washington Street. Turn left onto Willard Avenue. Take a left onto Standard Street. The campus entrance is on the right.

LIStON CAMPUS, PROVIDENCE
One Hillside St.
The main Providence campus is located almost seven miles north of downtown on the capital city’s south side. If traveling north on I-95, take Exit 19 (Rhode Island Hospital). Bear left onto I-195 north. Take the Breakneck Hill Road Exit 12B. Bear left onto breakneck Hill Road. At the first traffic light, turn left onto Route 246. Continue for 0.1 miles. The campus entrance will be on the right.

KIGHT CAMPUS, PROVIDENCE
One Hillside St.
The main Providence campus is located almost seven miles north of downtown on the capital city’s south side. If traveling north on I-95, take Exit 19 (Rhode Island Hospital). Bear left onto I-195 north. Take the Breakneck Hill Road Exit 12B. Bear left onto breakneck Hill Road. At the first traffic light, turn left onto Route 246. Continue for 0.1 miles. The campus entrance will be on the right.

NEWPORT COUNTY CAMPUS, NEWPORT
One John A. Chubb Blvd.
From the south bridge over I-195 at the end of the bridge at the end of the bridge, take a left onto New Shore Road. Then turn right onto Narragansett Avenue. Continue to follow Narragansett Avenue for 1.4 miles. Turn left onto Washington Street.

Westerly High School, Westerly
22 Ward Avenue
CCRI’s suburban campus at Westerly High School is expanding its offerings every fall. Overall, more than 30 students are enrolled in southern Rhode Island and eastern Connecticut to take advantage of credit courses closer to home.
Take I-95 to Exit 1 and merge onto RI-3 south (Blackwells Road). Take I-3 north to Exit 9 (Washington Street). Continue to follow Washington Street for 1.4 miles. Turn right onto Narragansett Avenue, then right onto Ward Avenue.