GRADUATION REQUIREMENTS

Students must complete 22.5 credits to receive a high school diploma.

1. English Language Arts (ELA) ................................................................. 4 credits
   Four years of ELA are required: English I and II, and English III and IV or their equivalents. See grid below for details.

2. Social Studies ..................................................................................... 4 credits
   World History, U.S. History, one semester of Alaska Studies, one semester of Economics, one semester of United States Government, one semester of a Social Studies elective. Students may waive the .5 credit social studies requirement by completion of Level III of a world language (ASL, Chinese, French, German, Japanese, Latin, Russian, or Spanish); immersion students may waive the .5 social studies requirement by completion of Japanese for Fluent Speakers I, Vistas Juveniles del Mundo Hispano, or Russian Immersion Youth and Culture.

3. Mathematics .......................................................................................... 3 credits
   Six semesters of Mathematics electives. In order to satisfy the algebra requirements, students must complete one of the following options: Algebra I, semester 1 and 2; or Algebra B, semester 1 and 2; or Algebra Survey, semester 1 and 2; or Credit-by-Choice Challenge by Examination.

4. Sciences .................................................................................................. 3 credits
   Three years (six semesters) of science credit are required. Two semesters must be life science. Two semesters must be physical science.

5. Physical Education/Health Education ..................................................... 1.5 credits
   Three semesters of physical education graduation requirements can be fulfilled by passing the required Lifetime Personal Fitness course plus .5 credit from the lifetime activity courses (noted as such in course listings) plus .5 additional credit from any physical education class. A) Students may obtain a waiver of .25 of the physical education graduation requirement for each full season of ASAA-sanctioned sports participation within the Anchorage School District. Elective credit must be earned to replace the Physical Education/Health Education requirement that is waived. A waiver of the physical education requirement under this section does not affect the overall minimum requirements of 22.5 credits.
   A) Lifetime Personal Fitness can be waived by:
      1. successful completion of a fitness and written test administered by Health and Physical Education Department; or
      2. participation in two seasons of ASAA-sanctioned extracurricular sports within the Anchorage School District and successful completion of the computerized knowledge test administered by the designated high school building personnel.
   B) Students may also waive physical education requirements (except Lifetime Personal Fitness) through Credit By Choice, correspondence, college coursework, or field study programs.
   C) A maximum of 1.0 waiver of the physical education requirement is available upon successful completion of 2 years (four semesters) of JROTC.
   D) Healthy Life Skills and First Aid are not repeatable upon receiving a passing grade in a previous semester.

6. Electives .................................................................................................. 7 credits
   Fifteen semester courses have not been specified so as to provide students an opportunity to pursue individual educational goals. Electives may include additional courses in Language Arts, Social Studies, Mathematics, Science, Technology, Fine Arts, World Languages, Physical Education and Career Technology.

| Timeline for high school Language Arts/Social Studies realignment for Common Core State Standards |
|---------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| 2013-14 | 2014-15 | 2015-16 | 2016-17 |
| Language Arts | | | |
| 9 | English I* | English I* | English I* | English I* |
| 10 | English 10* | English II* | English II* | English II* |
| 11 | English 11 or AP | English 11 or AP | English III or AP | English III or AP |
| 12 | English Elect or AP | English Elect or AP or English IV | English Elect or AP or English IV | English Elect or AP or English IV |

* Indicates Regular and Honors

---

a. A student may be considered for graduation when he or she has acquired a minimum of 22.5 credits after grade 8 in required and elective subjects.

b. Seniors entering the ASD for the first time may graduate by meeting requirements of their previous school when the ASD requirements create hardship.
Anchorage School District
High School
Program of Studies

This listing contains all courses approved by the Anchorage School Board as of the date below. Not all courses are simultaneously offered at every high school.

Revised June 2016

ASD Non-Discrimination Statement:

The Board is committed to an environment of nondiscrimination on the basis of race, color, religion, sex, age, national origin, economic status, union affiliation, disability, and other human differences. No person shall be excluded from participation in, or denied the benefits of, any academic or extracurricular program or educational opportunity or service offered by the District. The District will comply with the applicable statutes, regulations, and executive orders adopted by Federal, State and Municipal agencies.

Inquiries or complaints may be addressed to the District’s Equal Employment Opportunity Director, who also serves as the Title IX Coordinator, ASD Education Center, 5530 E. Northern Lights Blvd, Anchorage, AK 99504-3135 (907) 742-4132 or to any of the following external agencies: Alaska State Commission for Human Rights, Anchorage Equal Rights Commission, Director of the Office for Civil Rights, Department of Education, Department of Health and Human Services.

For information contact:
Anchorage School District Education Center
Secondary Education
5530 E. Northern Lights Blvd.
Anchorage, Alaska 99504-3135
(907) 742-4256
# TABLE OF CONTENTS

Graduation requirements .................................. inside front cover

**General Information** .................................. iv
   About scheduling .......................................... viii
   Alaska Performance Scholarship ...................... viii
   Alaska School Activities Association (ASAA)
      eligibility for sports and activities ................ xiii
   Alternative credits ....................................... xiv
   Anchorage High Schools ................................ iv
   Course withdrawal procedures ............................ viii
   Credit By Choice program (CBC) ......................... ix
   Grading procedures ....................................... ix
   High School Alternative Programs/Schools ............ iv
   High school credit for middle school students .......... ix
   Independent study ........................................ xii
   National Collegiate Athletic Association (NCAA)
      eligibility ................................................ xiii
   Non-resident tuition ..................................... viii
   Student foreign exchange programs .................... xii
   Tech Prep: college credits/trade organizations .......... xiii

**Course Descriptions** ................................. 1
   Career & Technical Education ............................ 2
      Architecture and Construction ....................... 2
      Arts, A/V Technology & Communications ............. 3
      Engineering Technology ............................... 4
      Finance .................................................. 5
      Health Science ......................................... 6
      Hospitality and Tourism ................................ 8
      Information Technology ................................ 9
      Transportation, Distribution & Logistics ............ 9
   English as a Second Language (ESL) .................... 27
   Fine Arts .................................................. 30
   International Baccalaureate (West High School) .... 36
   JROTC ...................................................... 39
   Language Arts ............................................. 40
   Language Arts Electives .................................. 42
   Mathematics .............................................. 47
   Physical Education/Health ............................... 53
   Science ................................................…… 59
   Social Studies ............................................ 66
   Social Studies Electives ................................ 70
   Geography/Area Studies ................................ 70
   History/Social Sciences .................................. 72
   World Languages .......................................... 77
   General Electives ........................................ 85

**King Career Center Programs** ....................... 15
   Agriculture, Food and Natural Resources .............. 15
   Architecture and Construction .......................... 16
   Arts, A/V Technology & Communications ................ 17
   Business Management & Administration ............... 18
   Career Readiness ........................................ 18
   Education and Training .................................. 19
   Engineering Technology .................................. 19
   Health Science ............................................ 20
   Hospitality and Tourism .................................. 21
   Human Services .......................................... 22
   Information Technology ................................... 22
   Law and Public Safety .................................... 23
   Manufacturing ............................................. 23
   Transportation, Distribution & Logistics ............... 24

**ASD iSchool** .............................................. 88
   Language Arts ............................................ 88
   Math ......................................................... 89
   Science ...................................................... 90
   Social Studies ............................................. 91
   Social Studies Electives ................................ 92
   World Languages .......................................... 92
   General Electives ........................................ 94

**Appendix A** –
   ASD Mathematics Graduation Requirements/
      Lifetime Personal Fitness .......................... 95
**Appendix B** –
   Conditions for Student Participation (ASAA) .......... 97
**Appendix C** – NCAA Eligibility Requirements ...... 100
Anchorage High Schools

AVAIL, 425 C Street .......................... 742-4930
Bartlett High, 1101 N. Muldoon ............... 742-1800
Benson Secondary, 4515 Campbell Airstrip Road . . 742-2050
Chugiak High,
16525 Birchwood Loop Rd., Chugiak ........... 742-3050
Dimond High, 2909 W. 88th ........................ 742-7000
Eagle River High, 8701 Yosemite Drive ........... 742-2700
East High, 4025 E. Northern Lights Blvd......... 742-2100
Family Partnership Charter School,
401 E. Fireweed Lane, Ste. 100 ................. 742-3700
Frontier Charter School,
400 W. Northern Lights Blvd, Ste 4 ............. 742-1180
Highland Tech Charter School,
5530 E. Northern Lights .......................... 742-1700
PAIDEIA Cooperative School, 616 W. 10th Ave. . 742-4164
Polaris K–12 School, 6200 Ashwood St. .......... 742-8700
King Career Center, 2650 E. Northern Lights .... 742-8900
SAVE, 410 E. 56th Ave. ........................... 742-1250
SEARCH, 4515 Campbell Airstrip Road ......... 742-2050
Service High, 5577 Abbott Road. ................ 742-8100
South Anchorage High, 13400 Elmore Rd. ....... 742-6200
Steller Secondary School, 2508 Blueberry ......... 742-4950
West High, 1700 Hillcrest Drive ................... 742-2500

High School Alternative Programs/ Schools

The district has a number of special purpose programs for students with special interests and needs and where individualization is emphasized. Students earn credits and meet district requirements in a variety of ways and these programs are characterized by curricular innovation along with basic skills development. A brief description is included here. If you have any questions, check with your counselor.

ASD iSchool

ASD iSchool is the Anchorage School District’s online program. ASD iSchool provides high school students with opportunities to earn credit online. Through ASD iSchool’s online classes, students have access to courses that may not be available at their school, that allow students to overcome scheduling challenges, and that meet student needs. Online courses may be taken as original course attempt, to replace a grade, or for academic advancement.

AVAIL

The Anchorage Vocational Academic Institute of Learning is an alternative high school program developed for students who have dropped out of traditional schools. The school’s purpose is well matched with the definition of the word “avail,” which means “to be of use or help.” AVAIL is designed to help students return to the educational system and obtain skills for employment with an emphasis on earning a high school diploma.

Bartlett High, Cook Inlet Tribal Council (CITC)

Cook Inlet Tribal Council (CITC) provides a spectrum of core content academic classes at Bartlett High School for Alaska Native and American Indian students. CITC teachers emphasize high expectations for academic excellence while providing students with an encouraging environment in which youth can fulfill their potential through education. CITC promotes the development of self-confidence, creativity, leadership, and traditional values by integrating hands-on, culturally responsive content and innovative practices into their academic classes and after-school activities.

Bartlett Medical Academy

The Medical Academy at Bartlett will prepare students to enter the work force or college with preparation in various facets of the medical field. Classes in Anatomy, Physiology, Forensics, Medical Terminology, Health Occupations, and Sports Injury Management will be available to students through the academy. Students do internships and shadow professionals at the Veterans Hospital next to the Bartlett campus for real life experience.

Bartlett, Integrated Honors High School (IHHS)

The Integrated Honors Program is a college-preparatory program designed to emphasize academic writing and analysis of classic literature. Beginning in 9th grade, students will take their Honors Language Arts course and Honors History course with a designated “Honor Team” comprised of one Honors Language Arts teacher and one Honors/AP History teacher for each grade level. Experience with the Seminar Method will begin in 9th grade and continue through the program. Students will be introduced the Honors Team in 9th grade and continue with the honors teams through graduation. “Cross connections are so important to the student’s learning experience, and these connections can be found throughout the curriculum.” In an effort to enhance student learning, the study of literature and history in all honors designated courses will be integrated and team-taught.

Benny Benson

The SAVE II Program provides specialized high school programs for students who are in 11th and 12th grade and are behind in credit or have already dropped out of high school. Students must have a referral from a counselor or administrator. Final recommendation for acceptance into these programs is determined after a student and parent interview is conducted. These programs combine teacher-directed instruction, class assignments, and individualized contracts for the students’ academic development. Students are evaluated on a monthly system where a minimum of academic progress is expected. Students are required to hold a part time job for a minimum of 20 hours per week and/or attend a class at King Career Center to fulfill their vocational expectations. Work experience and vocational training are counted as elective credit and serve as half of the student’s educational day. Students in these programs must meet the same requirements for state and district standards as the students attending traditional high schools in the Anchorage School district.

Benny Benson is located at 4515 Campbell Airstrip Road.

Charter Schools

Charter school students, with principal approval, may take courses at comprehensive high schools or King Career Center.
Chugiak High School Spanish Immersion Program

The district’s K-12 Japanese, Russian and Spanish language immersion programs have designated feeder middle and high schools to ensure that students continue their immersion experience in a seamless, articulated sequence of higher level courses. Chugiak High School is the continuation of the Spanish immersion program from Chugiak Elementary and Mirror Lake Middle schools. In the high school program there are four-year upper level courses designed to increase students’ language skills while learning through content. Spanish courses include Vistas Juveniles del Mundo Hispano, Perspectivas Literarias, Estudios Latinoamericanos, and Advanced Placement Spanish Language. High school immersion courses are designed to be rigorous and challenging for students while preparing them for upper division university coursework.

Chugiak, World Discovery Seminar Program (WDS)

The World Discovery Seminar Program is an alternative, smaller learning community and official ASD school-within-a-school that serves students at Chugiak High School. Rather than relying on textbooks, the program employs the Paideia methodology, a Socratic–based learning technique focusing on in-depth understanding of primary texts. With the teacher facilitating the discovery learning process, students explore, through writing and discussion, real life questions about literary and historical texts. In the Paideia seminar process, verbal and written discussion of the texts is emphasized over answering “end of chapter” questions.

Emphasis is placed on deeper learning, rather than general content. The basic concept is to assist young people to become avid, self-motivated learners. Interesting projects and hands-on activities are also fundamental to the class work. Self-expression is highlighted through the many varied activities comprising the World Discovery Seminar approach. Class dialogue allows the sharing of various opinions and experiences, which encourages students to draw their own conclusions. This helps all students develop a greater, more profound understanding of literature, history, science, mathematics and philosophy.

Crossroads

Crossroads is the Anchorage School District’s school for pregnant and parenting teens. Crossroads provides a supportive instructional environment which allows students to continue their education while pregnant and/or parenting. A complete program of instruction is provided with an emphasis on core academics. The program utilizes online instruction in conjunction with traditional coursework to meet the academic needs of students. Specialized curriculum related to being a pregnant and/or parenting teen is offered and community support contacts are available for students. The staff at Crossroads is committed to providing quality instruction in an environment that fosters regular school attendance and student responsibility for learning.

Dimond High School Japanese Immersion Program

The district’s K-12 Japanese, Russian and Spanish language immersion programs have designated feeder middle and high schools to ensure that students continue their immersion experience in a seamless, articulated sequence of higher level courses. Dimond High School is the continuation of the Japanese immersion program from Sand Lake Elementary and Mears Middle schools. The Japanese for Fluent Speakers course sequence includes an “Honors” course in which students are partnered with members of the local Japanese community in an “adopt-a-student” program. Advanced Placement Japanese Language and Culture is part of the course offerings in the High School Japanese Immersion sequence. High school immersion courses are designed to be rigorous and challenging for students while preparing them for upper division university coursework.

Dimond High School Engineering Academy

The DHS Engineering Academy is designed to prepare students for a two-year or a four-year engineering degree program. Five engineering courses follow the Project Lead the Way (PLTW) curriculum that may qualify for articulated agreements with universities in Alaska and across the U. S. Engineering Academy courses are project-based. Students are connected with engineering professors at UAA and with engineers in businesses that serve on the Engineering Academy Advisory Council.

Students may enter the Engineering Academy as freshmen and continue the four-year sequence or they may take individual courses when space is available.

East High, Elitnaurvik (EWE)

Elitnaurvik-Within-East is designed specifically for Alaska Native and American Indian students. Elitnaurvik in Yupik means “a place to learn.”

EWE incorporates Native values and issues, and successfully addresses different learning styles in its activities, course offerings, and work components. EWE enjoys widespread support in the community. The primary emphasis is on building leadership through group participation, volunteerism, and empowering students to embrace their cultural heritage. Elitnaurvik provides culturally-based education, counseling, tutoring, and after-school activities.

East High, School-Within-A-School (SWS)

School within a school is a cohesive learning community within East Anchorage High School which provides a unique, enhanced learning experience for self-directed students with an emphasis on independent thinking, integrated learning, and community development. SWS accomplishes this through a partnership of skilled, innovative teachers and staff, a small cohesive student population, and parental support. SWS offers a wide range of core and elective classes, including advanced placement and self-directed study classes. Students take world language, physical education, and vocational and fine arts offerings from the wide array offered in East High School. SWS’s students participate in East High activities that include sports, clubs, drama, dance, music, and student government. SWS program has 240 students, in addition to the world exchange students and fills through the district lottery system. Siblings in SWS and students in the East High attendance zone will have preference.

Family Partnership Charter School

Family Partnership Charter is a K-12 home-based, home school program offering small group classes, vendor services and
one-on-one teacher time. Students often decide on a mixture of home school, online, local university and area high school classes.

Frontier Charter School

Frontier Charter School is a K-12 home school program featuring a learning profile to map and individualize instruction through traditional home schooling, online digital platforms, dual enrollment with neighborhood schools, and/or university classes.

Highland Tech Charter School

Highland Tech High is a 6th–12th grade standards-based learning environment that promotes mastery learning across the curriculum in a multi-aged non-time bound system. Attention is placed on individual student learning needs through project-based units of study that integrate technology as a key instructional tool. Student voice and ownership is encouraged and expected.

King Career Center (KCC)

The Martin Luther King Jr. Career Center offers career, vocational and technical training in more than 25 occupations for students primarily in grades 11–12. KCC courses provide academic and elective credit, and some courses offer concurrent college credit through Tech Prep or credit toward post-secondary training programs such as apprenticeships. All KCC courses are guided by an Advisory Council made up of experts from industry and post-secondary education, including apprenticeships and trade organizations. Courses at KCC are delivered through hands-on learning with the latest technology and equipment. At KCC students learn skills that will help them in post-secondary education, in a trade organization training program or going directly to work. Our students tell us that they are better prepared for life after high school because of the skills and knowledge gained through their KCC classes.

Students spend the equivalent of three periods at KCC and earn 1.5 credits for each semester class. Bus transportation is provided from students’ home schools or they may drive. Students who meet requirements in their second semester may earn credit by doing on-the-job training with mentors throughout the city. Students may also earn credit toward graduation for working a part-time job that relates directly to their KCC course. Please note that KCC courses, at this time, do not meet NCAA Division I or Division II entry guidelines.

McLaughlin

McLaughlin Youth Center provides short-term and long-term residential care for institutionalized delinquent adolescents throughout the State of Alaska. The Anchorage School District administers a comprehensive educational program for McLaughlin residents. Students receive instruction in the core academic areas, as well as physical education, technology, and vocational studies.

Newcomers’ Center

The Newcomers’ Center offers students in grades 7–12 who are monolingual speakers of languages other than English an opportunity to enroll in a two-and-one-half hour block period at Wendler Middle School. Certificated teachers, with the assistance of a bilingual tutor and bilingual counselor, provide students with necessary survival skills in the English language as well as basic concepts in language arts and social studies.

Polaris K–12 School

Polaris K-12 School is open to students from kindergarten through twelfth grade. This allows for an integrated curriculum and multi-age group learning based on student interests, needs, and developmental levels. Polaris has an evolving program that creates an environment challenging its students, teachers and parents to personal excellence, lifelong learning and ethical responsibility to self, community and world. This school is for students, parents and teachers who want an emphasis on self-directed learning and active participation in education.

Project Puqigtut

Project Puqigtut is a program designed specifically for Alaska Native and American Indian high school students. Puqigtut in Cup’ik/Yup’ik means “smart people.”

This online success program helps Native students catch-up or get ahead in credits through culturally responsive online coursework and social service support. Courses are offered in the subjects of Mathematics, English, Science, and Social Studies. Courses are taught by Anchorage School District teachers and there is a face-to-face component.

Students may take a project course in addition to their regular schedule at their home school, or in some situations in place of a course. The program operates on a rolling admissions basis, except during the summer term. Equipment can be provided to students if needed.

SAVE

SAVE provides specialized high school programs for students who are in 11th and 12th grade and are behind in credit or have already dropped out of high school. Students must have a referral from a counselor or administrator. Final recommendation for acceptance into these programs is determined after a student and parent interview is conducted.

These programs combine teacher-directed instruction, class assignments, and individualized contracts for the students’ academic development. Students are evaluated on a monthly system where a minimum of academic progress is expected. Students are required to hold a part-time job for a minimum of 20 hours per week and/or attend a class at King Career Center to fulfill their vocational expectation. Work experience and vocational training are counted as elective credit and serve as half of the student’s educational day. Students in these programs must meet the same requirements for state and district standards as the students attending traditional high schools in the Anchorage School District.

SAVE is located at 410 E. 56th Ave.

SEARCH at Benny Benson

The SEARCH program is for eighth, ninth and tenth grade students who have been unsuccessful at their home school due to poor attendance, poor academics, social issues, or limited
behavioral situations. Students are admitted at the beginning of each quarter and are required to stay until the end of the semester. In the SEARCH program academic and socialization skills are incorporated into the curriculum. The academic focus is based on the district grade level expectations. Social and emotional learning skills are embraced and woven into all aspects of the program. The social emotional learning aspect of the curriculum is the process through which students learn to recognize and manage emotions, make good decisions, behave ethically and responsibly, develop positive relationships and avoid negative behavior.

Service High, Biomedical Career Academy (BCA)

The Biomedical Career Academy at Service aims to prepare students for a successful career in the healthcare industry. Classes within the BCA focus heavily on rigorous academics within a traditional curriculum, integrating healthcare and medically based activities within the classroom and community. Students have the option of preparing themselves for a position directly after high school within a healthcare setting and/or to focus on preparation for a traditional college degree.

All students are required to be members of HOSA (Health Occupation Students of America—a nationally recognized student healthcare organization) and will also be obtaining current first-aid/CPR certification. Students are also required to take Project Lead The Way Principals of Biomedical Science and Human Body Systems in the appropriate progression. Seniors, upon the successful completion of prerequisites, will take a capstone class which focuses on individual research and hands-on learning.

The BCA students will be interacting with our business partners in the community thus will be held to high standards of professional conduct and communication.

Service High, The Leadership Academy

The Leadership Academy at Service High School is centered around the Navy JROTC program and focuses on academic excellence, community service and academic/practical leadership training. Each year of participation in the Leadership Academy counts for one elective credit. Additionally, for each of the first two years of participation the student will have one-half credit of Physical Education credit waived. An in-house mentoring and tutoring program is provided for all Leadership Academy. The Leadership Academy prides itself on leading technology integration at Service High, making use of the latest in classroom technologies.

Service High, The Seminar School (TSS)

The Seminar School serves approximately 250 students and is characterized by the use of the Socratic seminar method, a strong sense of community and a learning environment that emphasizes independence, trust, personal responsibility and an open mind. The TSS curriculum is built on the consideration of classic texts that span the history and breadth of human experience. Students of the Seminar School are diverse in character and ability and work together in a multi-grade level setting (9–12) for a portion of their classes. Students can fulfill all language arts and social studies requirements along with some science and math requirements through TSS classes.

Steller Secondary School

Steller is a school that provides students with opportunities to be self-directed, independent and responsible learners. Steller offers a personalized education for grades 7 through 12 where students can define their own educational goals with the help of parents and staff. Steller Secondary School fosters an educational environment based on student responsibility and freedom.

Steller classes focus on educational process and provide opportunities for the development of leadership skills, problem solving proficiency, self-assessment abilities, decision-making skills and goal setting. Self-directed learning is a vital part of the Steller program. Active involvement within both the Steller community and the community of Anchorage is also important. Steller follows the ASD guidelines for educational content and graduation requirements.

West High, Cook Inlet Tribal Council (CITC)

Cook Inlet Tribal Council (CITC) provides a spectrum of core content academic classes at West High School for Alaska Native and American Indian students. CITC teachers emphasize high expectations for academic excellence while providing students with an encouraging environment in which youth can fulfill their potential through education. CITC promotes the development of self-confidence, creativity, leadership, and traditional values by integrating hands-on, culturally responsive content and innovative practices into their academic classes and after-school activities.

West High, Highly Gifted Program (HG)

The Highly Gifted Program at West High School is designed for the 9th–12th grade student whose educational needs cannot be met within the Honors Programs at the high school level. The first two years of the program offers a smaller learning community through clustered core classes. The emphasis on critical thinking and writing skills encourages depth and breadth of knowledge in all content areas.

West High, Medical Academy

The Medical Academy at West will prepare students to enter the work force or college with preparation in various facets of the medical field. Classes in Anatomy, Physiology, Wellness, Medical Terminology, Health Occupations, Pharmacy, and Sports Injury Management will be available to students through the academy. Students are encouraged to work with community members in the health care field through guest speaker presentations, visitations, internships and mentorships (through the ASD gifted program).

West High, Pre-IB

Students in 9th and 10th grade who wish to prepare themselves for the Diploma Program are encouraged to study the following courses: honors English and honors social studies, biology/chemistry, algebra/geometry or higher, a world language, and the arts.

West High, International Baccalaureate (IB)

The International Baccalaureate (IB) Diploma Program (DP)
at West Anchorage High School encourages creative inquiry and critical thinking while helping students develop a global perspective. IB is a challenging two-year (11th-12th) pre-college course of studies in the tradition of the liberal arts. Diploma candidates must complete studies in six subject areas: English, a world language, history, science, math, and the arts. Additionally, students undertake an independent research project; participate in creative, physical, and social service activities; and take a class called Theory of Knowledge. The IB DP encourages students to develop independence of thought, creativity, inquiry skills, open-mindedness, and an ability to think critically and reflectively. West High is the only IB program in the Anchorage School District.

West High School Language Immersion Programs

The district’s K-12 Japanese, Russian and Spanish language immersion programs have designated feeder middle and high schools to ensure that students continue their immersion experience in a seamless, articulated sequence of higher level courses. West High School is the continuation of the Spanish two-way immersion program from Government Hill Elementary and Romig Middle schools. The two-way immersion program is the only one of its kind in Alaska. Students in this program are both English speakers and native Spanish-speakers who together become bilingual and biliterate in both Spanish and English. Native Spanish-speaking students and heritage Spanish speakers with literacy skills in Spanish are encouraged to enroll in this Spanish two-way immersion program. In the high school program there are four upper-level courses designed to increase students’ language skills while learning through content. Spanish courses include Vistas Juveniles del Mundo Hispano, Perspectivas Literarias, Estudios Latinoamericanos, and Advanced Placement Spanish Language. High school immersion courses are designed to be rigorous and challenging for students while preparing them for upper-division university coursework.

West High School is also the continuation of the Russian immersion program from Turnagain Elementary and Romig Middle schools. At the high school level there are four advanced Russian classes designed to increase students’ language skills while learning through content. Courses include Sovremenaya Molodyoj’ i kultura (Contemporary Youth and Culture), Vzgla’d na Rossiju cherez literaturu i SMI (Perspectives on Russia through Literature and Media), Rossia i Alyaska: Istoricheskiye svyazi (Russia and Alaska: Historical Connections), and Advanced Placement Russian Language. High school immersion courses are designed to be rigorous and challenging for students while preparing them for upper division university coursework.

West, High School Through the Arts

At West High all students can benefit from an arts-based curriculum. The School Through the Arts is designed to attract a multi-cultural student body with a variety of learning styles. This academic program features an enriched course study, binding language arts and world history with the visual and performing arts. Students also visit artists, plays and other community events.

Non-resident tuition

By state law, all non-resident students attending schools of this district shall pay in advance the regular school tuition rate. (AS 9.030) This law pertains to students whose parents are not residents of the Municipality of Anchorage and who are not in the custody of a district resident. (ASD Policy Section 431.21) For more information about non-resident tuition, please contact the school principal.

About scheduling

Scheduling for the year starts in February with juniors and continues with sophomores, freshmen and current 8th graders. A school’s master schedule is developed by taking all student course requests (from a list of all approved ASD courses) and creating sections to accommodate the maximum number of student requests.

Some requested courses will not have sufficient demand to permit the class to be offered so students must be prepared with alternate requests.

To assure success in scheduling, each student and parent can:

1. Explore careers with a counselor or career resource person and identify education needs.
2. Plan a four-year program (grades 9–12) that is based on tentative career choices.
3. Select courses carefully with a counselor. Parents are encouraged to consult a counselor before helping students select courses.
   a. Be fully aware of course content for each course being considered.
   b. Know the graduation requirements and make a check list for meeting those requirements.
   c. Be aware of the entrance requirements at potential post-secondary schools and NCAA requirements if athletic participation is contemplated at a Division I or II college.
   d. Have an alternative plan before coming to scheduling.

Alaska Performance Scholarship

The Alaska Performance Scholarship provides an opportunity for Alaska high school students to earn a scholarship to help cover the cost of an Alaska postsecondary education. Alaska high school students who take a more rigorous curriculum, get good grades, and score well on college placement or work ready exams, can earn an Alaska Performance Scholarship to qualified Alaska colleges, universities, or vocational/technical programs. For more information: www.asdk12.org/aps

Course withdrawal procedures

The following are the procedures regarding withdrawing or changing a course:

1. Once students have selected their courses, there will be no schedule changes, including withdrawals, after the beginning of the grading period except as determined by the principal or his/her designee.
2. Any student whose absence is unauthorized for the first three days of a course may be withdrawn from the course and will need to reschedule.
3. No record shall be kept on a student who withdraws from a course with the principal’s permission prior to the end of the 10th day of the course. Students who, after 10 days in a
course, withdraw with the principal’s permission will have WF (withdraw failing) recorded on their transcripts. The WF counts in the calculation of the Grade Point Average (GPA).

Grading procedures

Reporting periods are nine weeks in length although courses are taken by semester. In high school, the first report or grade is a notice of a student’s progress up to the middle of the semester. The final semester grade is based on the total amount of contribution a student has made to the course during the entire semester and is the grade recorded on the transcript. In high school, if a student fails one semester of a full-year course and successfully completes the other semester of the same course, credit is granted for the semester successfully completed. Physical education classes are an exception because they are nine weeks in length and the quarter grade is recorded on the transcript.

Grading System

“A” This mark indicates the student has done work in quality and quantity far in excess of the standards set forth for a satisfactory grade in the course.

“B” This mark indicates that the student is doing work in quality and quantity above the standards set forth for a passing grade in the course.

“C” This mark is a satisfactory passing grade. It indicates that the student is acquiring the necessary information to proceed in the subject. He/she is meeting the standards set for a passing grade in the course.

“D” This mark indicates that the student is not effectively mastering the work assigned but has sufficient understanding of the subject to justify the opinion that more growth will result from advancement than from repetition of the course.

“F” Insufficient progress in the subject to merit granting of credit in the course.

“WF” Student has been withdrawn from the course “failing.”

“J” Audit—Principal approval is required. Indicates a student is auditing a course for his/her benefit. This does not count towards credit for graduation and must be approved prior to the 10th day of the course. Students are still required to complete course work.

Weighted grades

The Anchorage School Board has approved weighted grades for Advanced Placement (AP) and higher level International Baccalaureate (IB) courses. While an “A” is normally worth four points in calculating a student’s grade point average (GPA), a weighted “A” is worth five points; a weighted “B” is worth four points; a weighted “C” is worth three points; a weighted “D” is worth two points and an “F” is worth no points. The Anchorage School District does not offer weighted grades for college course work except for the following APU courses: Principles of Chemistry I, Principles of Chemistry II, General Physics I, General Physics II, Principles of Biology I, Principles of Biology II, Calculus I, Calculus II, and Multivariable Calculus.

Transcripts

High school transcripts are legal documents and may not be amended except to correct errors and enter replacement grades for repeated courses once courses and grades have been posted to the transcript. Prior to requesting inclusion of Credit by Choice grades, including high school credit for courses taken during middle school, consider the effect these non-weighted grades will have on class rank.

Honor roll

High school students earning a 3.5 grade average will be eligible for the honor roll. Any “F” or “D” grade will disqualify a student for that grading period. A high school student must be enrolled in a minimum of four subjects and grades in all courses will be considered.

Anchorage School District academic letter

To earn an ASD academic letter, any student who has fulfilled the criteria for Honor Roll in two consecutive semesters will be awarded an Academic Letter. These semesters need not fall in order of fall and spring semester, but may be considered consecutive if the GPA is earned in the spring semester and the following fall semester. Any semester the student meets the Honor Roll criteria subsequent to the awarding of the Academic Letter and earns a 3.5 to 4.0, a silver star is awarded. Any semester the student meets the Honor Roll criteria subsequent to the awarding of the Academic Letter and earns a 4.0 or higher, a gold star is awarded.

Honors group

To give recognition for high scholastic achievement, the Anchorage School District has established standards for the selection of members of an Honors Group. A student who has a cumulative GPA of 3.5 by the semester prior to graduation will be eligible for membership in the Honors Group. Honors graduates will be given recognition at graduation and on their transcript in the following manner:

1. Students with a GPA of 3.50 to less than 3.76 will be designated as having graduated Summa Cum Laude;
2. Students with a GPA of 3.76 to 4.0 will be designated as having graduated Magna Cum Laude;
3. Students with a GPA of greater than 4.0 will be designated as having graduated Summa Cum Laude.

High school credit for middle school students

See Program No. 7

Credit By Choice program (CBC)

The Credit by Choice Program is designed to give students the opportunity to choose enriching learning experiences tailored to their personal educational needs and to have them recorded on their high school transcript. This program is open to high school students currently enrolled in the Anchorage School District.

An overview of each program option is given below. Details of requirements for each program are attached. While the Curriculum Assistant Principal and Counselors can respond to
questions, it is the RESPONSIBILITY OF THE STUDENT TO WORK INDEPENDENTLY TO COMPLETE THE APPLICATION AND CARRY OUT A PROGRAM ACCORDING TO THE PRESCRIBED GUIDELINES.

General Guidelines

1. Students proposing a Credit by Choice (CBC) Program must have prior written approval of their parents and the Principal.
2. A certificated staff person must sponsor and/or supervise the student's program. In the case of the waiver, this will be the Principal.
3. ASD is the accrediting institution and sets standards for issuing credit/waivers. ASD is not the sponsoring agency for off-campus programs and is not responsible for the student's personal or financial liability. Program expense is the responsibility of the individual.
4. CBC courses will be titled as such on the student's transcript. Programs 1 (Educational Travel) and 6 (Community Service/Field Study) may only be taken for elective credit/waiver. Specific curriculum area credit will be recorded for Programs 2 (Correspondence Course), 3 (College Course Work), 4 (Early College Admissions Program), and 5 (Credit by Examination). Credit by Examination may not be done for Physical Education credit.
5. Since CBC registration is recorded only upon program completion, CBC is not a course that can be included for calculating eligibility for full-time student status.
6. The grade received will be incorporated into the student's high school grade point average (GPA) and will be counted to determine class rank and valedictorian. When computing valedictorian status, the ratio of weighted advanced placement to regular graded classes is significant.

Program No. 1 – Educational Travel

Credit may be earned for a planned learning experience gained through participation in a travel/study tour. The Curriculum Assistant Principal must approve both the specific tour and teacher/sponsor before students may apply. Questions concerning specific credit requirements during travel/study tours should be directed to the teacher/sponsor.

- A three-week tour program is eligible for 0.5 unit of credit and a six-week program may earn 1.0 unit of credit.
- Travel supervisors must submit a completed application with supporting materials to the Curriculum Assistant Principal for approval by April 15. Proposals must outline the type of educational travel, travel supervisor's name, past experience with student travel, name of sponsoring company/affiliation, dates of departure and return, estimated number of student participants, goals and objectives, proposed itinerary, evaluation criteria, information on liability/medical coverage for participants, parent information forms and copies of releases. Forward a copy of the approved "Request for Out-Of-District Travel" (form J – available from the Activities Office), taking care to specify names of sponsors/chaperones.
- A student desiring credit for approved educational travel must complete the Credit by Choice application and submit it to the Curriculum Assistant Principal in advance of the trip. Upon completion of the travel, the supervisor must provide the Curriculum Assistant Principal with grade reports and submit supporting grade book and legend to the Registrar.

Program No. 2 – Correspondence Course

The purpose of the correspondence is to meet special needs of students as approved by the school administration. Paramount consideration will be given to the student's record in completing independent studies. Due consideration will be given to the student's record in completing independent studies. To be approved, correspondence programs must be accredited. Courses must be proctored by certificated staff.

- As of August 2008, approved correspondence programs include: University of Nebraska, University of North Dakota and Brigham Young University, and the Native Heritage Center Advanced Academics. Others may be considered upon request. Application for approval of other programs may be done through the Curriculum Assistant Principal.
- Correspondence courses may be used for both makeup and acceleration.
- A copy of the correspondence school application must accompany the Credit by Choice application and must be received by the Curriculum Assistant Principal prior to the beginning of the course.
- Upon completion, the student must submit proof of grade to the Curriculum Assistant Principal.

Program No. 3 – College Course Work – UAA, APU

UAA

This program is designed to give eligible students currently enrolled in the Anchorage School District the opportunity to receive credit for certain courses through accredited institutions of higher education. The course should correlate with the career needs of the individual. Students must submit applications within two weeks after the beginning of the class. College courses must be 100 level and above. Student must register for at least two (2) semester hours to receive 0.5 high school credit, three (3) or four (4) semester hours to receive 1.0 high school credit or five (5) or six (6) semester hours for 1.5 high school credit. When the student has completed his or her college coursework, he or she must submit proof of grade to the Curriculum Assistant Principal.

Beginning in the 2014-15 school year, the University of Alaska Anchorage (UAA) will begin partnering with the Anchorage School District to offer a cohort program for ASD high school students. Students who apply and are accepted into the cohort may take pre-approved courses at UAA that will simultaneously meet specific ASD graduation requirements. Participating students will be expected to agree to terms outlined by UAA and will be responsible for submitting transcripts to his or her home school. The following courses have currently been approved:
<table>
<thead>
<tr>
<th>Content area</th>
<th>UAA course</th>
<th>ASD requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>English A111: Introduction to Composition</td>
<td>12th grade English electives</td>
</tr>
<tr>
<td>Language</td>
<td>(Prerequisites)</td>
<td>or English IV</td>
</tr>
<tr>
<td>Arts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social</td>
<td>PS A101: Introduction to American Government OR</td>
<td>United States Government</td>
</tr>
<tr>
<td>Studies</td>
<td>PS A 102: Introduction to Political Science</td>
<td></td>
</tr>
<tr>
<td>Social</td>
<td>Econ A201: Principles of Macroeconomics</td>
<td>Economics</td>
</tr>
<tr>
<td>Studies</td>
<td>(Prerequisites) OR Econ A202: Principles of</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Microeconomics (Prerequisites)</td>
<td></td>
</tr>
<tr>
<td>Science</td>
<td>Biology A102 &amp; Biology Lab A103 (must be taken</td>
<td>Biology</td>
</tr>
<tr>
<td></td>
<td>together)</td>
<td></td>
</tr>
<tr>
<td>Math</td>
<td>Math 107 (Prerequisites)</td>
<td>Algebra II</td>
</tr>
</tbody>
</table>

### Program No. 4 – Early College Admissions Program

This program would allow outstanding students with a grade point average of 3.5 or above to leave high school for college work prior to having the time and credits for graduation. The student would have the option of receiving his/her high school diploma after successfully completing the first year of college. ASD graduation requirements must be met in order to receive a high school diploma. The program would serve the student who has made definite plans for master and doctoral work.

- Tentative acceptance by a college or university must be in evidence. It is the student’s responsibility to determine whether college coursework accepted by the Anchorage School District will also be accepted for credit by the college.
- Upon completion of 24 undergraduate semester hours of credit at the college level, the student must furnish a transcript to the Curriculum Assistant Principal so that a high school diploma may be granted.

### Program No. 5 – Credit by Examination (Course Challenge)

Credit by Examination (Course Challenge) (AS 14.03.073 Sections 2 & 3 of the Alaska Safe Children’s Act) is an opportunity for students in grades 9–12 to receive credit through a testing process. Assessments determined by the Curriculum Coordinators will be used in most instances to challenge courses in mathematics, language arts, science, social studies, and world languages by demonstrating mastery of course material.

- The student can apply to challenge a course through examination in August or December or as individually scheduled.
- The course challenge request must be submitted before the course has begins for the student.
- Upon receipt of an approved application for Credit by Examination (Course Challenge), the Principal (or designee) will appoint an examiner.
- The examiner will pull the assessment off the ASD Assessment Library whenever possible or request an assessment from the content Curriculum Coordinator.
- The examiner is expected to proctor the test, notify the Principal (or designee) of the results, and submit the test materials to the Registrar.
- A ninety-percent (90%) score is required to receive an A. An eighty-percent (80%) score is required to receive a B. Less than 80% will not receive a credit.
- A student cannot be granted Credit by Examination for a course in which he or she has previously earned credit nor may he or she earn credit for a prerequisite course if they are presently enrolled in or have previously earned credit in an advanced course.
- If credit is denied, a student may not reapply for a Course Challenge for the same course.
- Only approved ASD courses can be challenged.
- No fee is attached to the course challenge.

### Program No. 6 – Community Service and Field Study/Physical Education Waiver

Credit may be earned through a planned community service program that provides learning experiences in the community.

Students may also propose field studies in the community, such as a research project using the community or a unique educational opportunity, including physical education activities, available only in the field. One hundred twenty (120) hours of acceptable service will earn 0.5 unit of credit/waiver. Program approval may be done at individual school sites, but pre-approved District programs include the following:

- Anchorage Youth Court
• Johns Hopkins University Institute for the Academic Advancement of Youth
• LEAP (Learning Enrichment Adventure Program)
• Western Alaska Council/Boy Scouts of America Explorer Program
• Allegro
• Peer Education Teen Trainers
• RARE-T (Reduce AIDS Risk in Teens) Peer Education
• Anchorage Youth Symphony (pass/fail only, therefore does not count in GPA calculation)
• Alaska Prudential Youth Leadership Institute (plus additional hours to total 120)
• Alaska Native Heritage Center courses
• Cook Inlet Tribal Council
• Big Brothers/Big Sisters, High School Bigs Program
• Alaska Theatre of Youth-Summer Conservatory
• Going Places – Alaska Tourism Curriculum
• Trio Talent Search Upward Bound Program/Upward Bound Summer Program
• Youth Employment in Parks & Recreation Program
• Outdoor Experience, Writing & Leadership (Puqigtut)
• South Central Foundation RAISE Intern Program
• Shiloh Community Development, Inc.

Concordia Language Institute is independently accredited by North Central Association of Schools as an intensive world language experience for high school students. Transcripts from Concordia should be sent to the home school for inclusion of credit on the student’s transcript.

Physical Education programs will be approved on a case-by-case basis where the program covers four of the six recognized components of fitness. One hundred twenty (120) hours of acceptable activity/records will earn an equivalent 0.5 waiver.

Student proposals must include the following information: student name, coach’s name and contact number, description of coach’s qualifications, a detailed training outline with goals and objectives from the coach including a description of how four of the six components of fitness are addressed. Attach any available evidence of equivalence to ASD approved high school courses.

• Student desiring a physical education waiver must also submit a journal documenting their work-outs.
• At 60 hours, the journal must be reviewed and signed by the Curriculum Assistant Principal or the Physical Education Department Chairperson.

Program No. 7 – High School Credit for Middle School Courses

MIDDLE SCHOOL MATH: Students may request middle school course work in math (Algebra I or higher) to be added to their high school transcript any time after their ninth grade year. Upon approval, the credit and grade will be added on to the transcript to the first semester of the ninth grade year. Once entered on a high school transcript, grades will not be removed from this legal document.

MIDDLE SCHOOL WORLD LANGUAGE: Research indicates that the study of another language is most effectively accomplished if it begins at an early age, is sequential and continues for a long term without interruption. To encourage more students to begin language study in the middle school and continue into Level II as ninth graders, the Anchorage School District offers a World Languages Incentive credit-by-choice option.

The World Languages Incentive Credit is an opportunity for students who have studied two years of a language at the middle school (courses 1A and 1B) to earn one graded elective credit. Students must meet the following requirements in order to receive the World Languages Incentive Credit:

• Enroll in Level II (same language as in middle school) in the ninth grade year.
• Complete both semesters of Level II with a “C” or better.
• Request that the incentive credit be added to their high school transcript in accordance with the ASD Credit-by-Choice program.

The World Languages Incentive Credit is one graded credit. The student’s fourth quarter grade from the eighth grade language course is the grade posted on the transcript in the ninth grade year. The graded credit will affect the student’s overall GPA and class rank. Transcripts are legal documents and will not be changed once credit is recorded.

Independent Study
Senior high school students who have the self-discipline and interest for working independently may design a course of study according to their interests, abilities and plans. The course of study must contain requirements above the expected level of the regular class. Independent study is available at every high school but is not intended to duplicate courses already in the master schedule. Students should contact their counselors for more information and principal approval.

Student Foreign Exchange Programs

The following information is necessary in order for a student to go from the Anchorage School District (ASD) to another country as an exchange student and return with credits that will count toward the student’s graduation.

A. Prior to leaving for the exchange, a meeting between the student, parent/guardian and counselor must be initiated by the parent to prepare and complete the following:
1. Credit Check
2. Official transcript reflecting all courses completed
3. Written plan for completion of graduation requirements upon return to the Anchorage School District that includes any correspondence courses the student may be taking during the exchange.

B. During the student’s participation in the exchange program, the following two options are available for awarding credits:
1. The student is provided an official transcript by the school they are attending in a foreign country which lists the course title, credit earned and grade. The student will need to provide the Anchorage School District with a course outline for each course listed on the transcript as well as a description of the official grading policies. The course outline will be used by ASD to determine whether the course meets a core academic requirement or will be elective credit.
2. If a student is not able to receive an official transcript with recorded grades, the following must be provided to the Anchorage School District upon the student’s return so decisions can be made regarding the awarding of credit:
   a. A list of courses taken with an official course outline. This needs to be signed by an administrator at the exchange school for verification. The course outline will be used by ASD to determine whether the course meets a core academic requirement or will be elective credit.
   b. An official accounting of time spent in each class. This must include the length of each class, number of days per week and the number of weeks the class meets. This must be signed by an administrator at the exchange school for verification.

C. Evaluation of an exchange student’s transcript when returning from a foreign country and awarding of credit will be based upon the following:

1. If the student provides an official transcript with recorded grades, the student will be able to select either option “a” or “b” for recording of grades:
   a. P = Pass
   b. Letter Grade of A (90-100), B (80-89), C (70-79), D (60-69), F (below 60). Courses not completed will not be recorded.

2. If the student is not able to provide an official transcript with recorded grades, an evaluation of the student’s work will be completed by the principal or designee and credit awarded based upon the following:
   a. 1/4 credit = 37 contact hours
   b. 1/2 credit = 75 contact hours
   c. 1 credit = 150 contact hours
   The course outlines and accounting of time spent in each class will be used when making decisions about whether the course meets a core academic requirement or will be awarded elective credit. All credits awarded through an evaluation of course outlines and time spent in class will be graded on a pass/fail basis.

3. Since there is such a wide variation in school calendars in foreign countries, it is possible that the student may receive some grades and credits on an official transcript and some that are still in progress. The student has the option of receiving some of the credits through an official transcript from the exchange school as well as some credits by providing the documentation of time spent in class and course outlines.

   If the student does not comply with the above requirements and records are either not provided or are incomplete, the student may risk losing credits needed for graduation. It is also possible that the student may need to take a correspondence course(s) while on the exchange in order to complete all of the graduation requirements.

Alaska School Activities Association (ASAA) eligibility for sports and activities

Participation in middle and high school athletics is a privilege. All students are expected to comply with local, state, and federal laws and the rules and regulations of the Anchorage School District. Students will be subject to denial of the ability to participate if they: do not meet eligibility requirements, engage in behavior that is detrimental to the well being of the team or school, are in violation of the tobacco rule, are in violation of the drug and alcohol rule, or commit criminal acts as defined in the ASD Statement of Students Right and Responsibilities. In all cases the Superintendent or his/her designatee retains the right to review and revise any disciplinary action. Please refer to Appendix D for a complete description of the ASAA requirements.

National Collegiate Athletic Association (NCAA) eligibility

See Appendix C – Parents should review the NCAA website for complete eligibility rules.

Tech Prep: college credits/trade organizations

Tech Prep is an articulation agreement between the Anchorage School District and post-secondary institutions in the University of Alaska system and various trade organizations (TO)*. ASD students may earn lower division college credit when successfully completing high school tech prep courses or other advancements with the trade organizations. With the ASD articulations, a small registration fee and successful completion of the ASD course will earn students a credit recorded on their permanent college transcript. College credits provide a head start towards a post-secondary certification or degree, may be transferable to other universities or colleges and activate the services for prospective students provided by the university’s advising and counseling office. The following courses presently have tech prep agreements:

- Advanced Health Career Pathways (KCC) – UAA
- Alaska Railroad Tour Guide Program (KCC) – UAF
- Automotive Maintenance Technology (KCC) – UAA
- Aviation Maintenance Technology (KCC) – UAA
- Aviation Technology (KCC) – UAA
- Carpentry (KCC) – TO*
- Certified Nursing Assistant – UAA
- Computer-Aided Drafting 3 – UAA
- Computer Information Technology (KCC) - UAA, AVTEC
- Construction Electricity (KCC) – TO*
- Culinary Arts (KCC) – UAA, UAF
- Electronics and Telecommunications Technology (KCC) – UAA
- Emergency Medical Technology (KCC) – UAA
- Emergency Trauma Technology – UAA
- Fire & Rescue Service (KCC) – UAA, TO*
- Introduction to Pharmacy – UAA
- Medical Terminology – UAA
- Natural Resources Management (KCC) – UAA, UAF
- Process Technology 1 - UAF
- ProStart 1 – UAA
Public Safety & Security (KCC) – UAF
Welding (KCC) – UAA, TO*

For more detailed information, please contact Career and Technology Education, your high school counseling department, or the instructor in any of the above listed courses.

*The following trade organizations have articulation agreements with ASD: Alaska Joint Electrical Apprenticeship and Training Trust; Alaska Operating Engineers/Employers Training Trust; Associated Builders and Contractors of Alaska, Inc.; Ironworkers Local Union 751; and Southern Alaska Carpenters Union Training Center. The following post-secondary schools have articulation agreements with ASD: University of Alaska Anchorage, University of Alaska Fairbanks, and Kenai Peninsula College.

**Alternative credits**

The following Career and Technical Education courses can be taken for alternative academic credit when offered at Anchorage high schools. Courses taught at King Career Center that provide alternative credits are listed on page 84 (page number will change).

Applied Technology and Construction
Applied Technology and Engineering
Aviation Science
BioTapp 1 and 2
Broadcast Journalism I and II
Child Development and Parenting
Emergency Trauma Technology
Entrepreneurship and Enterprise I and II
Essentials of Athletic Injury SC
Food Science
Health Occupations Essentials
Introduction to Pharmacy
Introduction to Veterinary Science
Material Science 1 and 2
Medical Terminology
Physiology of Wellness
PLTW Biomedical Innovations
PLTW Civil Engineering & Architecture
PLTW Computer Integrated Manufacturing
PLTW Digital Electronics
PLTW Engineering Design & Development
PLTW Human Body Systems
PLTW Introduction to Engineering Design
PLTW Medical Interventions
PLTW Principles of Biomedical Sciences
PLTW Principles of Engineering
Process Technology 1 & 2
Visual Media and Communications I and II
COURSE DESCRIPTIONS

The following information may aid you in understanding the course descriptions and other information contained in this Program of Studies planner.

Not all courses listed here are offered in all schools at any one time.

Materials fee required

Some courses will contain this phrase. Such classes require students to purchase items that are personally consumed or are projects which when completed are taken home. This requirement is found in most art, family & consumer science, and career technology courses.

Other requirements

Some courses have unique needs which are the student’s responsibility. For example, ice hockey requires students to furnish their own skates and music classes require students to supply their own instruments.

Course length

If a course is a semester in length, credit will be awarded for successful completion at the end of each semester. If a course is a quarter in length, credit will be awarded for successful completion at the end of each quarter. Quarter credit is not given for successfully completing nine weeks of a semester course. A Roman numeral (I, II, III etc.) following a course title denotes a two-semester course when there is more than one level of the course offered. An example is Algebra I and Algebra II. A two-semester course that has only one level offered, e.g., Geometry, will not have a Roman numeral designation behind it. An Arabic number (1, 2, 3 etc.) indicates a one-semester course when more than one level of the course is available. An example would be Computer-Aided Drafting 1, 2, and 3. A one-semester course that does not have a second or third level, e.g., Introduction to Marketing, would not have an Arabic number designation.

Course repeatability

Most courses listed in the Program of Studies have specific content and may not be repeated for credit. Because of individualized content, some courses may be repeated for credit and these are noted at the end of the course description.

How to Read A Course Description

- Official Course Title
- Length of course
- Course number
- Grade levels.
- Requirements for admission
- Course has articulation agreement with post-secondary institution (Tech Prep, p. xiii)
- Course description

**Accounting 2. H8508**

Grade level 10–12. One semester.

Prerequisite: Accounting 1.

A course for students wishing to further their knowledge in the accounting field. Instruction includes systems for handling cash receipts, payments, purchases and sales. It also deals with special accounting problems—depreciation, interest, bad debts, petty cash and payroll. Instruction in the class is individualized and offers further training in computerized accounting.
Understanding our Programs and choosing the right course

Career Technical Education (CTE) uses the National Career Clusters® Framework to create a structured and connected sequence of courses that lead to careers in high demand occupations in Alaska and across the nation. Pathways are aligned to industry and national standards and advanced courses may provide industry certification, credentials or post-secondary credit. CTE offers courses across 15 different career clusters:

- Agriculture, Food & Natural Resources
- Architecture & Construction
- Arts, A/V Technology & Communication
- Business Management & Administration
- Education & Training
- Engineering Technology
- Finance
- Health Science
- Hospitality & Tourism
- Human Services
- Information Technology
- Law, Public Safety, Corrections & Security
- Manufacturing
- Transportation, Distribution & Logistics

Each career cluster and pathway description will provide additional details about the industry and types of careers. Students typically enter the pathway by taking the first course in the sequence. Most often, students cannot enter into advanced courses without first taking the prerequisite courses identified in this course information.

Career Cluster—Aligned with the National Career Clusters® Framework, each group of pathways & courses is organized by a career cluster. This is the overarching organization of industries and occupations within the same field of work.

Pathway—The pathway is a more narrowly grouped set of occupations that share common skills, knowledge and interests. Courses are designed to prepare students to enter into a variety of occupations or post-secondary training opportunities.

Course Name—The course description will provide more details about what students should expect to learn in the class.

The courses are sequenced in the recommended order, top to bottom. Some courses have required prerequisites while others may be strong recommendations to provide students with as much opportunity for success.

Comprehensive High School Programs and Courses

The following programs are offered at the comprehensive high schools. Specific program availability for each high school can be found on the Career Technical Education website: www.asdk12.org/cte

Architecture and Construction

This career cluster focuses on designing, planning, managing, building and maintaining the built environment.

Construction

This pathway prepares students to enter into a career in carpentry construction. Some occupations include drywall installer, carpenter, finish carpenter, construction craft laborer and roofer.

Applied Tech & Construction

This course offers an overview to the Construction trades, with a focus on Framing Carpentry. Students will learn to use hand and power tools, gaining the hands-on skills to work in construction settings. Projects include small buildings, outdoor furniture and other useful products. Portions of this course are taught using a nationally recognized Occupational Skills Curriculum developed by the National Center for Construction Education and Research (NCCER).

Material Science

This pathway prepares students to enter into careers in carpentry construction. Some occupations include drywall installer, carpenter, finish carpenter, construction craft laborer and roofer.

Applied Tech & Construction

This course offers an overview to the Construction trades, with a focus on Framing Carpentry. Students will learn to use hand and power tools, gaining the hands-on skills to work in construction settings. Projects include small buildings, outdoor furniture and other useful products. Portions of this course are taught using a nationally recognized Occupational Skills Curriculum developed by the National Center for Construction Education and Research (NCCER).

Material Science 2.

This course offers an overview to the Construction trades, with a focus on Framing Carpentry. Students will learn to use hand and power tools, gaining the hands-on skills to work in construction settings. Projects include small buildings, outdoor furniture and other useful products. Portions of this course are taught using a nationally recognized Occupational Skills Curriculum developed by the National Center for Construction Education and Research (NCCER).

Applied Tech & Engineering

This course offers an overview to the Construction trades, with a focus on Framing Carpentry. Students will learn to use hand and power tools, gaining the hands-on skills to work in construction settings. Projects include small buildings, outdoor furniture and other useful products. Portions of this course are taught using a nationally recognized Occupational Skills Curriculum developed by the National Center for Construction Education and Research (NCCER).

Design/Pre-Construction

This pathway prepares students to enter into careers in architecture, drafting, planning, and engineering.
technology education with introductory engineering exploration. Included within this course are engineering design using computer-aided drafting, engineering principles and processes, worksite safety, and an introduction to the proper use of hand and power tools.

**Survey, Construction Blueprint Reading \( \text{H8991} \)**

<table>
<thead>
<tr>
<th>Grade level: 9-12</th>
<th>One semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic credit:</td>
<td>.5 Elective</td>
</tr>
<tr>
<td>Prerequisite:</td>
<td>None</td>
</tr>
</tbody>
</table>

Surveying, Sketching and Construction Blueprint Reading is a class designed to introduce students to the fundamentals of construction planning and management. Construction Sketching will include the fundamentals of freehand drawing and the use of mechanical drafting tools. Students will learn to sketch basic geometric shapes, while apply the methodology to draw site plans, floor plans and multiple view elevations. Surveying will encompass the use of GPS units for establishing benchmarks and other specific locations. Prior to any hands-on field Surveying students will be understand how to set up Surveying Instruments, use various measuring tapes and elevation rods. In addition, multiple types of hands-on Surveys to be completed to include: property surveys, boundary surveys, topographical surveys and construction surveys.

**Computer Aided Drafting 1 \( \text{H8222} \)**

<table>
<thead>
<tr>
<th>Grade level: 9-12</th>
<th>One semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic credit:</td>
<td>.5 Elective</td>
</tr>
<tr>
<td>Prerequisite:</td>
<td>None</td>
</tr>
</tbody>
</table>

Computer Aided Drafting 1 is designed to provide an introduction to drafting and to give students practice in visualization. Both mechanical drawing and architectural drawings are introduced. It is anticipated that this background will be helpful for any student who wishes to work in a field that requires visualization of complex shapes. These fields are as diverse as architecture, civil engineer, interior designer or scientist. With no prerequisites, this class is appropriate for a wide range of students: from freshmen who are just beginning to think about career paths through seniors who are preparing for advanced study. Students will use industry standard CAD software for the majority of all their drawings and design challenges.

**Computer Aided Drafting 2 \( \text{H8223} \)**

<table>
<thead>
<tr>
<th>Grade level: 9-12</th>
<th>One semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisite:</td>
<td>Computer Aided Drafting 1</td>
</tr>
<tr>
<td>Academic credit:</td>
<td>.5 Elective</td>
</tr>
</tbody>
</table>

Computer Aided Drafting 2 provides in-depth study and practice on the topics introduced in CAD 1 as well as additional specialized topics in the field of drafting. CAD 2 will provide a solid background for students entering additional training in a variety of fields. The course will include residential architectural drawing components in the areas of site planning, building structural design, building cost estimation and interior building designs. Students will also develop a portfolio of drawings demonstrating projects from the different areas they have studied.

**Computer Aided Drafting 3 \( \text{H8224} \)**

<table>
<thead>
<tr>
<th>Grade level: 9-12</th>
<th>One semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisite:</td>
<td>Computer Aided Drafting 2</td>
</tr>
</tbody>
</table>

Academic credit: .5 Elective

With CAD 3, the serious student has the opportunity to expand his/her skill set and complete his/her portfolio. Time is also available for advanced work in areas studied during the second semester of particular interest to the student. With the final grade determined by both portfolio and test grades. There will also be a strong emphasis on Architectural drawing on commercial buildings. Students will take an existing commercial structure and remodel it to meet up-to-date building codes then redesign the building to meet given criteria. With the completion of this class students will have completed approximately 215 hours of class contact time and will have satisfied the requirements for the articulation agreement for college credit with the Technical College at UAA.

**Arts, A/V Technology & Communications**

This career cluster focuses on designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

**Journalism & Broadcasting (Journalism)**

This pathway prepares students to enter into careers as broadcast journalists.

**Media & Broadcast Foundations \( \text{H8515} \)**

<table>
<thead>
<tr>
<th>Grade level: 9-12</th>
<th>One semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisite:</td>
<td>None</td>
</tr>
<tr>
<td>Academic credit:</td>
<td>.5 elective</td>
</tr>
</tbody>
</table>

Media and Broadcasting Foundations is a foundational course where students will explore the use of multimedia to tell a compelling story. The course will serve as an entry point for both the Journalism & Production Technologies pathways and the Visual Arts pathway. Its primary emphasis is on the core skills needed to communicate a message for any type of organization or endeavor, be it creative, commercial, or personal. In doing so, students will experiment with the use of a wide range of modern media types, discuss the history and ethics of media, and explore related potential careers. Students will learn technical skills needed to operate digital video and camera equipment and earn industry recognized certification.

**Broadcast Journalism I \( \text{H0801} \)**

<table>
<thead>
<tr>
<th>Grade level: 9-12</th>
<th>One semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisite:</td>
<td>Media and Broadcast Foundations</td>
</tr>
<tr>
<td>Academic credit:</td>
<td>.5 ELA elective</td>
</tr>
</tbody>
</table>

Students will explore foundational skills in broadcast journalism; including ethics, laws, history, career exploration and camera presence. Students develop communicative writing skills for broadcast news and employ interviewing, revision, and editing skills to produce polished new pieces. At the end of this course, students examine and reflect on developed skills.

**Broadcast Journalism II \( \text{H0802} \)**

<table>
<thead>
<tr>
<th>Grade level: 9-12</th>
<th>One semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prerequisite:</td>
<td>Broadcast Journalism I</td>
</tr>
<tr>
<td>Academic credit:</td>
<td>.5 ELA elective</td>
</tr>
</tbody>
</table>

In-depth and technical journalism skills will be utilized to...
focus on thematic news writing and production. Using advanced writing, editing and news production skills students can expect to gain specific skills, focusing on broadcasting and purpose-driven video editing skills. Advanced exploration and research into the various career paths of broadcast journalism will help students understand how they can apply their skills in various careers. Successful completion of this course prepares participants for the journalistic aspects of the Arts, A/V Technology, and Communications pathway capstone course.

Production Technologies II

Grade level 11-12. One semester
Prerequisite: Broadcast Journalism II
Academic credit: .5 elective

Students develop leadership and team working skills while gaining experience running and managing all aspects of a professional broadcast media company. During this course, put all skills from prior pathway classes to use in the live production of daily news broadcasts with diverse teams and experience the value of each working position in a live broadcast setting. Develop graphics, run cameras, anchor, mix feeds, create keys, and manage the logistics of live streaming content. Culmination of the course will lead to a professional portfolio along with knowledge of educational, entrepreneurial, and career opportunities.

Journalism & Broadcasting (Production Technologies)

This pathway prepares students to enter into careers in audio/video operations, controls, management and broadcast.

Media & Broadcast Foundations

Grade level 9-12. One semester
Prerequisite: None
Academic credit: .5 elective

Students will develop leadership and team working skills while gaining experience running and managing all aspects of a professional broadcast media company. During this course, put all skills from prior pathway classes to use in the live production of daily news broadcasts with diverse teams and experience the value of each working position in a live broadcast setting. Develop graphics, run cameras, anchor, mix feeds, create keys, and manage the logistics of live streaming content. Culmination of the course will lead to a professional portfolio along with knowledge of educational, entrepreneurial, and career opportunities.

Engineering Technology

This career cluster focuses on planning, managing and providing scientific research and professional and technical services (e.g., physical science, social science, and engineering) including laboratory and testing services, and research and development services.

Engineering and Technology (PLTW Engineering)

This pathway prepares students to enter into a variety of engineering fields.

PLTW Intro to Engineering Design

Grade level 9. Two Semesters
Prerequisite: Concurrent enrollment or completion of Algebra 1
Academic credit: .5 Physical Science per semester

Introduction to Engineering Design (IED) is a course that is appropriate for 9th or 10th grade students who are interested in design and engineering or other STEM careers. The major focus of the IED course is to expose students to a design process, professional communication and collaboration methods, design ethics, and technical documentation. IED gives students the opportunity to develop skills in research and analysis, teamwork, technical writing, engineering graphics, and problem solving through activity-, project-, and problem-based (APPB) learning. Students will use industry standard 3D solid modeling software to facilitate the design and documentation of their solutions to design problems and challenges.

PLTW Civil Eng and Architecture

Grade level 11-12. Two Semesters
Prerequisite: Algebra 1, Intro to Engineering Design or CAD 1
Academic credit: .5 Physical Science per semester

Civil Engineering and Architecture is the study of the design and construction of residential and commercial building projects. The course includes an introduction to many of the varied factors
involved in building and site design and construction including building components and systems, structural design, storm water management, site design, utilities and services, cost estimation, energy efficiency, and careers in the design and construction industry.

Students will use industry standard 3D architectural modeling software to facilitate site and building design and technical documentation. As the course progresses and the complexity of the design problems increase, students will learn more advanced computer modeling skills as they become more independent in their learning, more professional in their collaboration and communication, and more experienced in problem solving and design.

PLTW Principles of Engineering .......... H8116
Grade level 10-12. Two Semesters
Prerequisite: Concurrent enrollment or completion of Geometry
Academic credit: .5 Physical Science per semester

Principles of Engineering (POE) is a high school-level survey course of engineering. The course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high tech careers. To be successful in POE, students should be concurrently enrolled in college preparatory mathematics and science. Students will employ engineering and scientific concepts in the solution of engineering design problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community.

PLTW Digital Electronics ................. H8112
Grade level 10-12. Two Semesters
Prerequisite: Concurrent enrollment or completion of Algebra 1
Academic credit: .5 Physical Science per semester

Digital Electronics (DE) is the study of electronic circuits that are used to process and control digital signals. In contrast to analog electronics, where information is represented by a continuously varying voltage, digital signals are represented by two discreet voltages or logic levels. This distinction allows for greater signal speed and storage capabilities and has revolutionized the world electronics. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, and high definition televisions. The major focus of the DE course is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation.

PLTW Comp Integrated Manufacturing ........ H8114
Grade level 11-12. Two Semesters
Prerequisite: Algebra 1
Academic credit: .5 Physical Science per semester

Computer Integrated Manufacturing (CIM) is the study of manufacturing planning, integration, and implementation of automation. The course explores manufacturing history, individual processes, systems, and careers. In addition to technical concepts, the course incorporates finance, ethics, and engineering design. This reflects an integrated approach that leading manufacturers have adopted to improve safety, quality, and efficiency. Utilizing the activity-project-problem-based (APPB) teaching and learning pedagogy, students will analyze, design, and build manufacturing systems. While implementing these designs, students will continually hone their interpersonal skills, creative abilities, and understanding of the design process. Students apply knowledge gained throughout the course in a final open-ended problem to build a factory system.

PLTW Engineering Design & Development ...... H8931
Grade level 12. Two Semesters
Prerequisite: 3 PLTW courses including Principles of Engineering
Academic credit: .5 Physical Science per semester

Engineering Design and Development (EDD) is the capstone course in the PLTW high school engineering program. It is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

Students will perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams of students will design, build, and test their solution. Finally, student teams will present and defend their original solution to an outside panel. While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational, communication and interpersonal skills, their creative and problem solving abilities, and their understanding of the design process.

Engineering Technology (Process Technology)

This pathway prepares students to enter into careers in process technology, instrumentation, electronics and automation.

Process Technology 1 ....................... H8140
Grade level 10-12. Two Semesters
Prerequisite: Minimum of Algebra A and 1 year of high school science
Academic credit: .5 Physical Science per semester

This course is an introduction to process operations in the Process Technology industry through an overview of general information, processes, procedures, and equipment. Processing techniques used in oil & gas, chemical, mining, power generation and waste water industries will be investigated. In addition, workplace information such as safety, quality, team building is introduced. Finally, basic processing equipment such as piping, valves, pumps, compressors, turbines, motors, etc. will also be introduced.

Finance

This career cluster focuses on planning and services for financial and investment planning, banking, insurance, and business financial management.

Accounting

This pathway encompasses careers that record, classify, summarize, analyze and communicate a business's financial information/business transactions for use in management decision making.
Accounting includes bookkeeping, systems design, analysis and interpretation of accounting information.

**Accounting 1** ............................................. H8508
Grade level 10-12. One semester
Prerequisite: None
Academic credit: .5 Elective

This is a semester long course in which students acquire knowledge of accounting cycles of service organizations and merchandisers focusing on the recording of business transactions and preparations of financial statements.

**Accounting 2** ............................................. H8509
Grade level 10-12. One semester
Prerequisite: Accounting 1
Academic credit: .5 Elective

This course is a semester long for students who are wishing to further their knowledge in the accounting field and designed to provide students with the fundamental skills needed to understand the basic accounting cycle for a sole proprietorship.

**Accounting 3** ............................................. H8510
Grade level 11-12. One semester
Prerequisite: Accounting 2
Academic credit: .5 Elective

This course is designed for students with an interest in an accounting or business career who want to broaden and improve their knowledge and application of computerized and manual accounting.

**Accounting 4** ............................................. H8511
Grade level 11-12. One semester
Prerequisite: Accounting 3
Academic credit: .5 Elective

This is an individualized program designed for the student with interest in accounting or business as a career goal. The emphasis is on departmental accounting.

**Health Science**

This Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development in the growing Healthcare Industry.

**Therapeutic Services (Athletic Training)**

This pathway prepares students for careers working with patients in Athletic Training.

**Health Occupations Essentials** ..................... H8113
Grade level 9-12. One semester
Prerequisite: None
Academic credit: .5 Life Science

Introduction to Health Occupations is designed to familiarize students with the widely varied careers of the medical, dental, veterinary and mental health professions. Students will learn skills necessary for pursuing further education in any healthcare career pathway. The course is divided into four 20-hour modules including: Introduction to Cardiology and CPR, Health and Fitness for the Healthcare Professional, First Aid, and Career Planning for Entering the Medical Profession.

**Medical Terminology** ................................. H8915
Grade level 10-12 (9th with Teacher Recommendation. One semester
Prerequisite: Biology. Health Occupation Essentials and Anatomy and Physiology are recommended
Academic credit: .5 Life Science

Students will gain an understanding of basic elements, rules of building and analyzing medical words, and medical terms associated with the body as a whole. Utilizing a systems approach, the student will define, interpret,
and pronounce medical terms related to structures and functions, pathology diagnosis, clinic procedures, oncology, and pharmacology. In addition to medical terms, common abbreviations applicable to each system will be interpreted.

**Introduction to Pharmacy** .......................... H8958

Grade level 11-12 (10th with teacher recommendation). One semester
Prerequisite: Algebra 1 and Biology, Health Occupations Essentials, Anatomy/Physiology and 1st semester Chemistry are recommended.
Academic credit: .5 Life Science

This course provides an overview of the practice of pharmacy and examines the qualification, operational guidelines, and job duties of a pharmacy technician. Students will be introduced to the top 100 drugs, drug classification and interactions. This course also examines the legal and ethical requirements of the field. Students will understand the steps needed to fulfill all requirements necessary to be certified and take the National Pharmacy Technician Certification Exam (PTCE).

**Therapeutic Services (Wellness Therapy)**

This pathway prepares students for careers working directly with patients providing support and care in the wellness and nutrition.

**Health Occupations Essentials** .............. H8113

Grade level 9-12. One semester
Prerequisite: None
Academic credit: .5 Life Science

Introduction to Health Occupations is designed to familiarize students with the widely varied careers of the medical, dental, veterinary and mental health professions. Students will learn skills necessary for pursuing further education in any healthcare career pathway. The course is divided into four 20-hour modules including: Introduction to Cardiology and CPR, Health and Fitness for the Healthcare Professional, First Aid, and Career Planning for Entering the Medical Profession.

**Medical Terminology** .............................. H8915

Grade level 10-12 (9th with Teacher Recommendation. One semester
Prerequisite: Biology. Health Occupation Essentials and Anatomy and Physiology are recommended
Academic credit: .5 Life Science

Students will gain an understanding of basic elements, rules of building and analyzing medical words, and medical terms associated with the body as a whole. Utilizing a systems approach, the student will define, interpret, and pronounce medical terms related to structures and functions, pathology diagnosis, clinic procedures, oncology, and pharmacology. In addition to medical terms, common abbreviations applicable to each system will be interpreted.

**Nutrition & Fitness** ................................. H8315

Grade level 10-12. One semester
Prerequisite: None
Academic credit: .5 Elective

This course is designed to increase student’s nutritional knowledge through all stages of life. Topics covered include the study of nutritional sources, functions and deficiencies, contemporary nutritional issues and sports nutrition.

**Physiology of Wellness** .......................... H2302

Grade level 9-12. One semester
Prerequisite: None
Academic credit: .5 Life Science

Physiology of Wellness is a hands-on approach to fundamental skills necessary for entry level positions in the health and nutrition fields. The class includes, but is not limited to, concepts of nutrition, weight control, eating disorders, exercise physiology, depression, the immune system, digestion and infectious disease.

**Therapeutic Services (Emergency Trauma Tech)**

This pathway prepares students for careers in emergency response.

**Health Occupations Essentials** .............. H8113

Grade level 9-12. One semester
Prerequisite: None
Academic credit: .5 Life Science

Introduction to Health Occupations is designed to familiarize students with the widely varied careers of the medical, dental, veterinary and mental health professions. Students will learn skills necessary for pursuing further education in any healthcare career pathway. The course is divided into four 20-hour modules including: Introduction to Cardiology and CPR, Health and Fitness for the Healthcare Professional, First Aid, and Career Planning for Entering the Medical Profession.

**Medical Terminology** .............................. H8915

Grade level 10-12 (9th with Teacher Recommendation. One semester
Prerequisite: Biology. Health Occupation Essentials and Anatomy and Physiology are recommended
Academic credit: .5 Life Science

Students will gain an understanding of basic elements, rules of building and analyzing medical words, and medical terms associated with the body as a whole. Utilizing a systems approach, the student will define, interpret, and pronounce medical terms related to structures and functions, pathology diagnosis, clinic procedures, oncology, and pharmacology. In addition to medical terms, common abbreviations applicable to each system will be interpreted.

**Emergency Trauma Technology** ............... H8949

Grade level 9-12. One semester
Prerequisite: None. Health Occupations Essentials recommended
Academic credit: .5 Life Science

Emergency Trauma Technology (ETT) students learn to be a part of a pre-hospital medical emergency response team. The program is designed for students planning careers in emergency services careers such as firefighting, search and rescue, guiding, emergency medical technology, and positions that involve working at remote sites where urban EMS systems may not be available. The course is about 25% lecture and discussion, and 75% hands-on in which students practice patient assessment and treatment techniques on each other.

**Biotechnology Research**

This pathway prepares students for a variety of laboratory careers...
in biotechnology research and development across a variety of industries such as pharmaceutical, agriculture and health care.

**BioTaPP 1** .................................................. H8940
Grade level 11-12. One semester
Prerequisite: Algebra 1, Biology, and Chemistry or concurrent enrollment in Chemistry
Academic credit: .5 Life Science.

BioTaPP (Biotechnology Training and Preparatory Program) is designed to give students experience in fundamental and advanced biotechnological techniques used in biological research and industry. Students will learn proper research techniques, processes and applications using modern technology. Students practice lab safety while studying biological and chemical sciences.

**BioTaPP 2** .................................................. H8941
Grade level 11-12. One semester
Prerequisite: BioTaPP 1
Academic credit: .5 Life Science

BioTaPP 2 advances students’ laboratory and research skills learned in the first semester. Students follow SOPs to conduct advanced research and perform scientific experiments. Students are expected to document and present findings.

Support Services (PLTW Biomedical) – This pathway prepares students to enter into careers focused on biomedical technology and engineering.

**PLTW Principles of Biomed Science** .............. H8919
Grade level 9-11. Two Semesters
Prerequisite: None
Academic credit: .5 Life Science 1st semester, .5 Physical Science 2nd semester

Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person’s life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lays the scientific foundation for subsequent courses. This course is designed for 9th or 10th grade students.

**PLTW Human Body Systems** ................. H8126
Grade level 9-12. Two Semesters
Prerequisite: Principles of Biomedical Science.
Academic credit: .5 Life Science per semester

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the roles of biomedical professionals to solve medical mysteries. This course is designed for 10th, 11th or 12th grade students.

**PLTW Medical Interventions** .................. H8110
Grade level 11-12. Two Semesters

Prerequisite: Human Body Systems.
Academic credit: .5 Life Science per semester

Students investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a “How-To” manual for maintaining overall health and homeostasis in the body as students explore: how to prevent and fight infection; how to screen and evaluate the code in human DNA; how to prevent, diagnose and treat cancer; and how to prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to the wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Each family case scenario will introduce multiple types of interventions and will reinforce concepts learned in the previous two courses as well as present new content. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. Lifestyle choices and preventative measures are emphasized throughout the course as well as the important role of scientific thinking and engineering design play in the development of interventions of the future.

**PLTW Biomedical Innovation** ................. H8820
Grade level 11-12. Two Semesters
Prerequisite: Medical Interventions
Academic credit: .5 Physical Science 1st semester, .5 Life Science 2nd semester

In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health.

**Hospitality and Tourism**

This career cluster emphasizes the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.

**Restaurant & Food/Beverage**

This pathway prepares students for a variety of occupations in the food & beverage industry including hotels, restaurants, and catering.

**Culinary Hospitality Foundations** .............. H8514
Grade level 9-12. One semester
Prerequisite: None

Culinary and Hospitality Foundations is a foundational course where students explore the opportunities in the culinary and hospitality industries. Students will develop hospitality, service and career ready practices while mastering safety and sanitation requirements of the service industry. As the preparatory class for ProStart, students will develop the fundamental kitchen safety skills and learn the foundation of cooking and nutrition.

**ProStart 1** ............................................. H8360
Grade level 10-12. One semester
Prerequisite: Culinary Hospitality Foundations recommended
Academic credit: .5 Elective

---

Not all courses in this catalog will be offered at all schools at any one time.
This course introduces students to careers in food service and teaches them the basic skills and knowledge needed for success in the food service industry. The ProStart curriculum was developed by the National Restaurant Association as part of the school-to-career approach to learning. Current best practices are reviewed every year. Topics covered in this semester include an overview of the lodging, restaurant and food service industry; career opportunities; food safety; prevention of accidents and injury; professionalism; standardized recipes; cooking methods; food service equipment; nutrition and stocks, sauces, and soups.

ProStart 2 ........................................ H8361
Grade level 10-12. One semester
Prerequisite: ProStart 1. Culinary Hospitality Foundations recommended
Academic credit: .5 Elective

This course introduces students to careers in food service and teaches them the basic skills and knowledge needed for success in the food service industry. The ProStart curriculum was developed by the National Restaurant Association as part of the school-to-career approach to learning. Current best practices are reviewed each year. Topics covered in ProStart 2 include communications; working with people; management essentials; fruits & vegetables; customer service; potatoes & grains; and career exploration and the hiring process.

ProStart 3 ........................................ H8362
Grade level 10-12. One semester
Prerequisite: ProStart 2. Culinary Hospitality Foundations recommended
Academic credit: .5 Elective

This course introduces students to careers in food service and teaches them the basic skills and knowledge needed for success in the food service industry. The ProStart curriculum was developed by the National Restaurant Association as part of the school-to-career approach to learning. Current best practices are reviewed each year. Topics covered in this third semester include exploration and career preparation, the history of food service, the lodging industry, the art of service, potatoes and grains, desserts and baked goods and marketing and the menu. Materials fee required.

ProStart 4 ........................................ H8363
Grade level 10-12. One semester
Prerequisite: ProStart 3. Culinary Hospitality Foundations recommended
Academic credit: .5 Elective

This course introduces students to careers in food service and teaches them the basic skills and knowledge needed for success in the food service industry. The ProStart curriculum was developed by the National Restaurant Association as part of the school-to-career approach to learning. Current best practices are reviewed each year. Topics covered in the fourth semester include exploration and career preparation, purchasing and inventory control, standard accounting practices, tourism and the retail business, communication with customers, preparing meat, poultry, seafood, stocks, soups and sauces and completing an industry internship. Materials fee required.

Information Technology
This career cluster builds linkages in IT occupations for entry level, technical and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services.

Programming and Software Development
Careers in this pathway involve design, development, implementation and maintenance of computer systems and software.

Computer Science ................................ H8534
Grade level 9-12. One semester.
Prerequisite: Algebra 1 or concurrent enrollment in Algebra 1.
Academic credit: .5 Elective.

A first course on computer science taught using the Racket programming language. Students will learn how to write programs systematically using functions, recursion, variables, and lists.

Computer Science 2 .............................. H8535
Grade level 9-12. One semester.
Prerequisite: Computer Science or its equivalent or consent of instructor.
Academic credit: .5 Elective.

The continuation of Computer Science 1, students will continue to program in Racket, learning about generative recursion and basic algorithm design. Students completing this course will be prepared to take Computer Science 3.

Computer Science 3 .............................. H8536
Grade level 10-12. One semester.
Prerequisite: Computer Science 2 or consent of instructor.
Academic credit: .5 Elective.

Computer Science 3 is the first semester of an AP computer science course that prepares students to succeed on the AP Computer Science A test. Students will begin to learn object-oriented programming in the Java programming language.

Computer Science 4 .............................. H8537
Grade level 10-12. One semester.
Prerequisite: Computer Science 2 or consent of instructor.
Academic credit: .5 Elective.

Computer Science 4 continues where Computer Science 3 left off with using arrays in Java. In this class students will learn more about inheritance, recursion, and both linear and non-linear data structures. At the end of the course students will be prepared to take the AP Computer Science A exam.

Transportation, Distribution & Logistics
This career cluster focuses on planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Transportation Operations
Careers in this pathway focus on the transportation of people and freight via air, rail, water and road. Occupations include pilots, drivers, marine captains, dispatchers, locomotive engineers, rail yard operators, and other support personnel.
Heavy Equipment Operations 1.................H8115
Grade level 9-12. One semester
Prerequisite: None
Academic credit: .5 Elective

HEO 1 will present students with career, industry and safety information. Students will develop their interest in civil construction and operating heavy equipment in Alaska's Construction, Mining and Transportation industries. Students will have time to explore careers, identify heavy equipment and uses while understanding safety in construction. Students will have the opportunity to develop their skills on simulator based heavy equipment and will be challenged with national certifications and performance tests. Students will develop a resume and create a personal learning career plan to prepare themselves for work in industry, application to registered apprenticeship or a university construction management program.

Heavy Equipment Operations 2.................H8925
Grade level 9-12. One semester
Prerequisite: HEO 1
Academic credit: .5 Elective

In introduction to earthmoving, students will learn how to plan and develop a construction site safely. When completed, they will be able to describe earthmoving methods and how to select the proper equipment to accomplish tasks. In construction math, students will apply algebra, geometry and trigonometry functions to solve problems found in the construction, mining and transportation industries.
Students can earn 1.5 credits for each KCC course. All sections of each class are offered every semester.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course #</th>
<th>Academic credit</th>
<th>Tech prep &amp; apprenticeships</th>
<th>Certifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Health Career Pathways 1</td>
<td>H8910</td>
<td>.5 P.E., Health and .5 Life Science and .5 elective</td>
<td></td>
<td>Blood Borne Pathogens, AHA BLS Health-care Provider</td>
</tr>
<tr>
<td>Advanced Health Career Pathways 2</td>
<td>H8911</td>
<td>.5 Life Science and 1 elective</td>
<td>University of Alaska Anchorage</td>
<td>National Health Science Assessment</td>
</tr>
<tr>
<td>Advanced Health Career Pathways OJT</td>
<td>H8913</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advertising, Art &amp; Design 1</td>
<td>H8422</td>
<td>.5 Language Arts and 1.0 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advertising, Art &amp; Design 2</td>
<td>H8423</td>
<td>.5 Language Arts and 1.0 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advertising Art and Design OJT</td>
<td>H8425</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automotive Maintenance Technology 1</td>
<td>H8409</td>
<td>1.5 elective</td>
<td>UAA</td>
<td></td>
</tr>
<tr>
<td>Automotive Maintenance Technology 2</td>
<td>H8410</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automotive Maintenance Technology 3</td>
<td>H8411</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automotive Maintenance Technology OJT</td>
<td>H8412</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aviation Technology 1</td>
<td>H8401</td>
<td>.5 Math and .5 Physical Science and .5 elective</td>
<td>UAA</td>
<td></td>
</tr>
<tr>
<td>Aviation Technology 2</td>
<td>H8402</td>
<td>.5 Math and .5 Physical Science and .5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aviation Technology 3</td>
<td>H8403</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aviation Technology 4</td>
<td>H8404</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aviation Technology OJT</td>
<td>H8405</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aviation Technology 1</td>
<td>H8406</td>
<td>.5 Physical Science and 1 elective</td>
<td>UAA</td>
<td>Private Pilot’s Ground School, Private Pilot’s Knowledge Exam</td>
</tr>
<tr>
<td>Aviation Technology 2</td>
<td>H8407</td>
<td>.5 Physical Science and 1 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aviation Technology OJT</td>
<td>H8408</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Technology &amp; Web Design 1</td>
<td>H8548</td>
<td>1.5 elective</td>
<td></td>
<td>Microsoft Office Specialist</td>
</tr>
<tr>
<td>Business Technology &amp; Web Design 2</td>
<td>H8549</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Business Technology &amp; Web Design OJT</td>
<td>H8550</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Career &amp; Work Readiness</td>
<td>H0012SSP</td>
<td>.5 Language Arts 9-12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Career &amp; Work Readiness</td>
<td>H3020SP</td>
<td>.5 Pre-vocational 9-12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Career &amp; Work Readiness</td>
<td>H8055SP</td>
<td>.5 Work Experience 9-12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carpentry 1</td>
<td>H8418</td>
<td>.5 math and 1 elective</td>
<td>Apprenticeship program</td>
<td>NCCER Core, OSHA 10, Forklift Certification, Scaffolding &amp; Fall Protection, North Slope Training Card, SkillsUSA</td>
</tr>
<tr>
<td>Carpentry 2</td>
<td>H8419</td>
<td>1.5 elective</td>
<td></td>
<td>NCCER Carpenter Level 1</td>
</tr>
<tr>
<td>Carpentry 3</td>
<td>H8420</td>
<td>1.5 elective</td>
<td></td>
<td>NCCER Carpenter Level 2</td>
</tr>
<tr>
<td>Carpentry OJT</td>
<td>H8421</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Certified Nurse Aide</td>
<td>H8418</td>
<td>1.5 elective</td>
<td></td>
<td>American Heart Association BLS CPR, Medic First Aid</td>
</tr>
<tr>
<td>Collision Repair &amp; Refinishing 1</td>
<td>H8413</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Collision Repair &amp; Refinishing 2</td>
<td>H8414</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Collision Repair &amp; Refinishing 3</td>
<td>H8415</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Collision Repair &amp; Refinishing 4</td>
<td>H8416</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Collision Repair &amp; Refinishing OJT</td>
<td>H8417</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Computer Information Technology 1</td>
<td>H8541</td>
<td>.5 Math and 1 elective</td>
<td></td>
<td>A+, Net+, PC Pro, Network Pro, Security Pro</td>
</tr>
<tr>
<td>Computer Information Technology 2</td>
<td>H8542</td>
<td>.5 Math and 1 elective</td>
<td>UAA, AVTEC</td>
<td></td>
</tr>
<tr>
<td>Computer Information Technology OJT</td>
<td>H8543</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Construction Electricity 1</td>
<td>H8430</td>
<td>.5 Math and 1.0 elective</td>
<td>IBEW Pre-Apprenticeship program</td>
<td>NCCER Core, NCCER Electrical Level 1, Weatherization Technician, Your Role in the Green Environment, OSHA 10, SkillsUSA Residential Electrician, Lockout/Tagout</td>
</tr>
<tr>
<td>Construction Electricity 2</td>
<td>H8431</td>
<td>.5 Math and 1.0 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Construction Electricity OJT</td>
<td>H8432</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cosmetology 1</td>
<td>H8810</td>
<td>.5 PE/Health and 1 elective</td>
<td></td>
<td>Hours towards state licensing</td>
</tr>
<tr>
<td>Cosmetology 2</td>
<td>H8811</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cosmetology 3</td>
<td>H8812</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cosmetology OJT</td>
<td>H8814</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Culinary Arts 1</td>
<td>H8311</td>
<td>.5 Physical Science and 1 elective</td>
<td>UAA &amp; UAF</td>
<td>Municipality of Anchorage Food Handler’s Card</td>
</tr>
<tr>
<td>Culinary Arts 2</td>
<td>H8312</td>
<td>.5 Physical Science and 1 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Culinary Arts 3</td>
<td>H8313</td>
<td>.5 Physical Science and 1 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Culinary Arts OJT</td>
<td>H8314</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## King Career Center
### 2016-17 Academic Credits, Tech Prep & Certifications

Students can earn 1.5 credits for each KCC course. All sections of each class are offered every semester.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course #</th>
<th>Academic credit</th>
<th>Tech prep &amp; apprenticeships</th>
<th>Certifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Early Childhood Education 1</td>
<td>H6303</td>
<td>.5 Social Studies elective and 1 elective</td>
<td></td>
<td>Pediatric First Aid/CPR, Municipality of Anchorage Food Handler's Card</td>
</tr>
<tr>
<td>Early Childhood Education 2</td>
<td>H6304</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Early Childhood Education OJT</td>
<td>H6305</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electronics &amp; Telecommunications 1</td>
<td>H6246</td>
<td>.5 Math, .5 Physical Science and .5 elective</td>
<td>UAA Electronic Technicians Association, Customer Service Specialist, PC Pro (A+ equivalent), Network Pro, D.C. Electronics, Student Electronics Technician, Digital Electronics Technician</td>
<td></td>
</tr>
<tr>
<td>Electronics &amp; Telecommunications 2</td>
<td>H6246</td>
<td>.5 Math, .5 Physical Science and .5 elective</td>
<td>UAA Electronic Technicians Association, Customer Service Specialist, PC Pro (A+ equivalent), Network Pro, D.C. Electronics, Student Electronics Technician, Digital Electronics Technician</td>
<td></td>
</tr>
<tr>
<td>Electronics &amp; Telecommunications 3</td>
<td>H6247</td>
<td>1.5 elective</td>
<td>UAA Electronic Technicians Association, Customer Service Specialist, PC Pro (A+ equivalent), Network Pro, D.C. Electronics, Student Electronics Technician, Digital Electronics Technician</td>
<td></td>
</tr>
<tr>
<td>Electronics &amp; Telecommunications 4</td>
<td>H6248</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electronics &amp; Telecommunications OJT</td>
<td>H6249</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Emergency Medical Technology 1</td>
<td>H6950</td>
<td>.5 Life Science and 1 elective</td>
<td>UAA &amp; UAF Basic Life Support for the Health Care Professional, Emergency Medical Technician</td>
<td></td>
</tr>
<tr>
<td>Emergency Medical Technology OJT</td>
<td>H6953</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Entrepreneurship &amp; Enterprise 1</td>
<td>H6095</td>
<td>.5 Language Arts and .5 Economics and .5 elective</td>
<td>UAA &amp; UAF Basic Life Support for the Health Care Professional, Emergency Medical Technician</td>
<td></td>
</tr>
<tr>
<td>Entrepreneurship &amp; Enterprise 2</td>
<td>H6096</td>
<td>.5 Language Arts and 1.0 elective</td>
<td>UAA &amp; UAF Basic Life Support for the Health Care Professional, Emergency Medical Technician</td>
<td></td>
</tr>
<tr>
<td>Film, Audio, &amp; Video Production 1</td>
<td>H6855</td>
<td>.5 Language Arts and 1 elective</td>
<td>Adobe Premiere Pro Editing</td>
<td></td>
</tr>
<tr>
<td>Film, Audio, &amp; Video Production 2</td>
<td>H6856</td>
<td>.5 Language Arts and 1 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Film, Audio, &amp; Video Production OJT</td>
<td>H6857</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire &amp; Rescue Services 1</td>
<td>H6129</td>
<td>.5 Physical Science and 1 elective</td>
<td>UAA &amp; UAF Basic Life Support for the Health Care Professional, Emergency Trauma Technician</td>
<td></td>
</tr>
<tr>
<td>Fire &amp; Rescue Services OJT</td>
<td>H6128</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horticulture &amp; Landscape Design 1</td>
<td>H6975</td>
<td>.5 Life Science and 1 elective</td>
<td>Floral Designer- Through American Institute of Floral Designers, Landscape Industry Manager, Landscape Industry Technician-Exterior, Landscape Industry Interior Technician, Landscape Industry Horticultural Technician, Landscape Industry Lawn Care Technician</td>
<td></td>
</tr>
<tr>
<td>Horticulture &amp; Landscape Design 2</td>
<td>H6976</td>
<td>.5 Life Science and 1 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horticulture &amp; Landscape Design OJT</td>
<td>H6977</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natural Resources Management 1</td>
<td>H6710</td>
<td>.5 Alaska Studies and .5 Physical Science and .5 Social Studies elective</td>
<td>UAA &amp; UAF OSHA 10 Industrial, Blood Borne Pathogens, Medic First Aid/CPR Career Ready 101, FEMA IS-700 Introduction to National Incident Management System, NWCG S-130 Wildland Firefighter, NWCG S-190 Wildland Fire Behavior</td>
<td></td>
</tr>
<tr>
<td>Natural Resources Management 2</td>
<td>H6711</td>
<td>.5 Physical Science and 1.0 elective credit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natural Resources Management OJT</td>
<td>H6712</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outdoor Power Equipment 1</td>
<td>H6460</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outdoor Power Equipment 2</td>
<td>H6461</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outdoor Power Equipment OJT</td>
<td>H6463</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Personal Care Assistant: Health and Practice</td>
<td>H6200</td>
<td>.5 PE/Health and 1.0 elective</td>
<td>State of Alaska Personal Care Assistant Certification of Completion, CPR/First Aid</td>
<td></td>
</tr>
<tr>
<td>Public Safety &amp; Security 1</td>
<td>H6217</td>
<td>.5 Social Studies and 1 elective</td>
<td>UAF Blood Borne Pathogens, Medic First Aid/CPR/AED</td>
<td></td>
</tr>
<tr>
<td>Public Safety &amp; Security 2</td>
<td>H6218</td>
<td>1.5 elective</td>
<td></td>
<td>Municipality of Anchorage Food Worker’s Card: Visit Anchorage; Anchorage Wild Expert, Alaska Host customer service</td>
</tr>
<tr>
<td>Public Safety &amp; Security OJT</td>
<td>H6221</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Travel &amp; Tourism 1</td>
<td>H6650</td>
<td>.5 Alaska Studies and .5 Social Studies and .5 elective</td>
<td>Municipality of Anchorage Food Worker’s Card: Visit Anchorage; Anchorage Wild Expert, Alaska Host customer service</td>
<td></td>
</tr>
<tr>
<td>Travel &amp; Tourism 2</td>
<td>H6651</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Travel &amp; Tourism OJT</td>
<td>H6652</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Veterinary Science 1</td>
<td>H6921</td>
<td>.5 Life Science and .5 PE/Health and .5 elective</td>
<td>Blood Borne Pathogens, Medic First Aid/CPR/AED</td>
<td></td>
</tr>
<tr>
<td>Veterinary Science 2</td>
<td>H6923</td>
<td>.5 Life Science and 1 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Veterinary Science OJT</td>
<td>H6922</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Visual Media &amp; Communication 1</td>
<td>H6513</td>
<td>.5 Language Arts elective, 1 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Visual Media &amp; Communication 2</td>
<td>H6514</td>
<td>.5 Language Arts elective, 1 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Visual Media &amp; Communication OJT</td>
<td>H6515</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Welding 1</td>
<td>H6466</td>
<td>1.5 elective</td>
<td>UAA Horizontal Filet Weld (2F), Vertical Filet Weld (3F)</td>
<td></td>
</tr>
<tr>
<td>Welding 2</td>
<td>H6467</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Welding 3</td>
<td>H6468</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Welding OJT</td>
<td>H6469</td>
<td>1.5 elective</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
KING CAREER CENTER PROGRAMS

The following programs are offered at King Career Center (KCC). Juniors and Seniors are eligible to attend the KCC. Underclassman are eligible to apply. More information about KCC can be found at: www.asdk12.org/schools/kcc

Agriculture, Food and Natural Resources

Career Cluster focused on the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

Animal Systems (Veterinary Technician)

This pathway prepares students to enter careers in veterinary professions, including veterinary tech and veterinary assistant.

Veterinary Science KCC ......................... H8921
Grade level 11-12. One semester
Prerequisite: Grade of “C” or better in Biology.
Academic credit: .5 Life Science, .5 PE/Health, .5 Elective

In Veterinary Science I students will learn a basic knowledge of veterinary science, healthcare, office management and skills necessary for pursuing further education for veterinary careers. These skills are directly applicable and transferable to all components of the health care pathway.

Veterinary Science 2 KCC ......................... H8923
Grade level 11-12. One semester
Prerequisite: Grade of “B” or better in Veterinary Science 1 and teacher recommendation
Academic credit: .5 Life Science, 1.0 Elective

In Veterinary Science II, students strengthen their skills and expand their studies of vet science in medicine, nutrition, laboratory and animal care necessary for pursuing an entry level job or further education for veterinary careers. Students will participate in job shadowing a variety of levels of veterinary workers at different sites in Anchorage.

Veterinary Science OJT KCC ..................... H8922
Grade level 11-12. One semester
Prerequisite: Grade of “B” or better in Veterinary Science 2 and teacher recommendation
Academic credit: 1.5 Elective

On the Job Training (OJT) is a continuation of the Veterinary program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

Natural Resource Systems

This pathway prepares students to enter careers in habitat conservation, forestry, parks and recreation, environmental services, fisheries, and wild fire management.

Natural Resources Mgt 1KCC .................... H8710
Grade level 11-12. One semester
Prerequisite: None

Academic credit: .5 Alaska Studies, .5 Physical Science, .5 Social Studies Elective

This semester the student will be introduced to the State of Alaska and be provided the insight and practical experience into career/occupational pathways located within the state. Students will also learn the use of various pieces of equipment related to forestry management and field projects relating to industry standards.

Natural Resources Mgt 2 KCC ..................... H8711
Grade level 11-12. One semester
Prerequisite: Grade of “C” or better in Natural Resources Management 1
Academic credit: .5 Physical Science, 1.0 Elective

May be taken 2 times

This semester the student will learn about the resources found within the state and what agencies/careers are responsible for managing those resources. Units will also introduce the student to the resource development careers/occupations available throughout the state. Additional units of study will introduce entry level skill including mapping, GPS, GIS and water and soil testing. Students will have volunteer opportunities in the community.

Natural Resources Mgt OJT KCC ............... H8712
Grade level 11-12. One semester
Prerequisite: Grade of “C” or better in Natural Resources Management 2
Academic credit: 1.5 Elective
May be taken 2 times

On the Job Training (OJT) is a continuation of the Natural Resources program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

Plant Systems (Horticulture)

This pathway prepares students to enter into careers in horticulture, greenhouse management, floral design, and agriculture.

Horticulture & Landscape Design 1 KCC .... H8975
Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Life Science, 1.0 Elective

In Horticulture and Landscape Design I students learn basic landscape design principles, construction techniques and hand and power tool safety and function. These skills learned will be beneficial for students pursuing entry level landscape jobs or further education in design. Students will also learn floral design history, cut flower care and elements and design principles as well as build floral designs with fresh cut flowers. Skills learned are beneficial to entry level floral design jobs and certification. Plant anatomy and classification is also covered.

Horticulture & Landscape Design 2 KCC .... H8976
Grade level 11-12. One semester
Prerequisite: Grade of “C” or better in Horticulture and Landscape 1
Academic credit: .5 Life Science, 1.0 Elective

Spring semester students will study plant physiology and reactions to greenhouse environments in-depth, horticulture fields of personal interest, complete independent projects and experiments.
as well as research cultural requirements of crops grown in the school greenhouse. Students also visit local sites to gain knowledge in area educational and employment opportunities

Horticulture & Landscape Design OJT KCC ........ H8977
Grade level 11-12. One semester
Prerequisite: Grade of “C” or better in Horticulture and Landscape 2
Academic credit: 1.5 Elective
May be taken 2 times

On the Job Training (OJT) is a continuation of the Horticulture program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

Architecture and Construction

Career cluster focused on designing, planning, managing, building and maintaining the built environment.

Construction (Carpentry)

This pathway focuses on careers in carpentry construction. Occupations include drywall installer, carpenter, finish carpenter, construction craft laborer, and roofer.

Carpentry 1 KCC ........................................ H8418
Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Math, 1.0 Elective

Students will receive primary training in residential and light commercial construction methods. The course is taught using the recognized Occupational Skill Standards for the National Center for Construction Education and Research (NCCER). The first semester covers Core Construction. Training is accomplished with the latest in power tools, materials and technology available in the construction industry.

Carpentry 2 KCC ........................................ H8419
Grade level 11-12. One semester
Prerequisite: Grade “C” or better in Carpentry 1
Academic credit: 1.5 Elective

Students will receive primary training in residential and light commercial construction methods. The course is taught using the recognized Occupational Skill Standards for the national Center for Construction Education and Research (NCCER). This semester covers Carpentry Level One Curriculum. Training is accomplished with the latest in power tools, materials and technology available in the construction industry. Students will complete written tests and performance evaluations on certain aspects of the trade. Passing these evaluations may earn certification and national registry with NCCER.

Carpentry 3 KCC ........................................ H8420
Grade level 11-12. One semester
Prerequisite: Grade “C” or better in Carpentry 2
Academic credit: 1.5 Elective

Students will receive primary training in residential and light commercial construction methods. The course is taught using the recognized Occupational Skill Standards for the national Center for Construction Education and Research (NCCER). The Third semester covers Carpentry Two level curriculum. Training is accomplished with the latest in power tools, materials and technology available in the construction industry. Students will complete written tests and performance evaluations on certain aspects of the trade. Passing these evaluations may earn certification and national registry with NCCER.

Carpentry OJT KCC ................................. H8421
Grade level 11-12. One semester
Prerequisite: Grade “C” or better in Carpentry 3
Academic credit: 1.5 Elective
May be taken 2 times

On the Job Training (OJT) is a continuation of the Carpentry program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

Maintenance and Operation (Construction Electricity)

This pathway focuses on careers in the continued maintenance and operation of facilities.

Construction Electricity 1 KCC ...................... H8130
Grade level 11-12. One semester
Prerequisite: Successful completion of Algebra 1 recommended
Academic credit: .5 Math and 1.0 Elective

KCC’s Construction Electricity program provides in-depth instruction in the theories and principles of electricity. Principles of operation for electrical devices and equipment, and correct and safe operation of tools are covered. The student will study and learn to interpret and apply the requirements of the National Electrical Code for designing electrical layouts, installation methods, and the maintenance, trouble shooting, and repair of electrical circuits and equipment.

Construction Electricity 2 KCC ...................... H8131
Grade level 11-12. One semester
Prerequisite: Grade “C” or better in Construction Electricity 1
Academic credit: .5 Math and 1.0 Elective

Students will receive primary training in residential and light commercial construction methods. The course is taught using the recognized Occupational Skill Standards for the National Center for Construction Education and Research (NCCER). The first semester covers Carpentry Level One Curriculum. Training is accomplished with the latest in power tools, materials and technology available in the construction industry. Students will complete written tests and performance evaluations on certain aspects of the trade. Passing these evaluations may earn certification and national registry with NCCER.

Carpentry 3 KCC ........................................ H8420
Grade level 11-12. One semester
Prerequisite: Grade “C” or better in Carpentry 2
Academic credit: 1.5 Elective

Students will receive primary training in residential and light commercial construction methods. The course is taught using the recognized Occupational Skill Standards for the national Center for Construction Education and Research (NCCER). The Third semester covers Carpentry Two level curriculum. Training is accomplished with the latest in power tools, materials and technology available in the construction industry. Students will complete written tests and performance evaluations on certain aspects of the trade. Passing these evaluations may earn certification and national registry with NCCER.

Carpentry OJT KCC ................................. H8421
Grade level 11-12. One semester
Prerequisite: Grade “C” or better in Carpentry 3
Academic credit: 1.5 Elective
May be taken 2 times

On the Job Training (OJT) is a continuation of the Carpentry program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.
**Arts, A/V Technology & Communications**

This career cluster focuses on designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

**Journalism & Broadcasting (Film & Audio Production)**

This pathway prepares students to enter into careers in a variety in broadcast journalism and broadcasting technologies.

**Film Audio & Video Production 1 KCC ............ H8855**

Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Language Arts, 1.0 Elective

The Film, Audio & Video Production class is a survey class presenting skills and knowledge students need to launch a successful career in film, radio, music recording, and video or television production. Students complete radio, film, recording and video projects while learning to work as part of a production team. The curriculum includes individual and multidisciplinary assignments geared to developing both creative and technical proficiency. Large studios and modern production equipment support these goals, enabling students to produce high-quality work.

**Film Audio & Video Production 2 KCC ............ H8856**

Grade level 11-12. One semester
Prerequisite: Grade “C” or better in Film Audio and Video Production 1
Academic credit: .5 Language Arts, 1.0 Elective

This course refines the Radio, TV, Movie and Music production skills to prepare the student for post-secondary education or entry-level employment in the media technology industry. Students will be responsible for the production of several programs such as KCC TV Show and the a variety of individual projects. 2nd semester students will work on producing their personal Demo Reel, which they will be able to utilize for acceptance to various colleges, trade schools, and internships. Additionally, students will have the opportunity to test for their Television Operator's License and become Adobe: Premiere Pro certified as a video editor.

**Film Audio & Video Production OJT KCC ............ H8857**

Grade level 11-12. One semester
Prerequisite: Grade “C” or better in Film Audio and Video Production 2
Academic credit: 1.5 Elective
May be taken 2 times

On the Job Training (OJT) is a continuation of the Film Audio & Video program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

**Visual Arts (Advertising/Art & Design)**

This pathway prepares students to enter into careers in a variety of career in visual media, including marketing & advertising, graphic design, and photography.

**Advertising/Art and Design 1 KCC ............ H8422**

Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Language Arts and 1.0 Elective

This course is designed for the student interested in acquiring entry-level skills in the rapidly growing Visual Communications industries. Students are introduced to various elements of market research, advertising strategies, typography and logotype, brainstorming and concept development, color and design theory, illustration techniques, magazine and packaging design, layout and construction, target marketing, symbols, logos, print collateral and 3D product design. Students are also assigned a computer based advertising projects to complete within the working parameters of timed deadlines and specific standards of quality. Students receive an introduction of practices common to an advertising design studio. Students develop layout and computer graphic skills using Adobe In-Design, Photoshop and Illustrator programs. All students will complete their assigned projects demonstrating a mastery of basic career entry skills.

**Advertising, Art & Design 2 KCC ............ H8423**

Grade level 11-12. One semester.
Prerequisite: Grade “C” or better in Advertising/Art and Design 1
Academic credit: .5 Language Arts and 1.0 Elective

Advanced students will also complete a portfolio of assigned projects which demonstrate a mastery of career ready, entry level skills in one of the following areas: airbrush/illustration; advertising, marketing, computer graphics and desktop publishing, architectural design and/or industrial design using 2D and 3D software. Professionalism is emphasized every day. Career entry opportunities include positions in interior design, advertising, product design, fine art, fashion design, transportation design, furniture design, cartoon illustration, landscape design, computer animation, airbrush, architecture, package design, illustration, desktop publishing and art direction. Assistance with job placement in the above fields and application to colleges and other training programs are available.

**Advertising, Art & Design OJT KCC ............ H8423**

Grade level 11-12. One semester.
Prerequisite: Grade “C” or better in Advertising/Art and Design 2
Academic credit: 1.5 Elective
May be taken 2 times

On the Job Training (OJT) is a continuation of the Advertising, Art & Design program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

**Visual Arts (Visual Media and Communication)**

This pathway prepares students to enter into careers in the growing industry of social media development and management, including marketing & advertising.

**Visual Media and Communication KCC ............ H8513**

Grade level 11-12. One semester.
Prerequisite: None
Academic credit: .5 Language Arts, 1.0 Elective

Visual Media and Communication is a combined visual arts, digital media, and communication course designed to cohesively integrate content and context across multiple platforms, such as
print, web, video audio, and connective (social) media. Students will focus on communication strategies using original content, branding, storytelling, advertising, digital identity, and more. Students will learn to create a unified visual message for a company or individual that is holistically developed and produced across multiple platforms.

**Visual Media and Communication 2 KCC . . . . . . . . . H8512**
Grade level 11-12. One semester
Prerequisite: Visual Media and Communication 1
Academic credit: .5 Language Arts, 1.0 Elective

Visual Media and Communication II is a course offered in the Anchorage School District as part of a series of industry preparatory courses. The course prepares students to enter a variety of business fields (e.g. connective media management, public relations, and advertising) as well as be prepared to enter business related degree programs at the university level (e.g. connective, media, communications, and marketing).

**Business Management & Administration**

This career cluster focuses on careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.

**Administrative Support (Business Technology & Web Design)**

Student in this pathway will be prepared for careers in a variety of administrative office occupations.

**Business Tech Web Design KCC . . . . . . . . . . . . . . . . . H8548**
Grade level 11-12. One semester
Prerequisite: Recommend basic computer keyboarding skills
Academic credit: 1.5 Elective

Students learn to use network computer systems, various software programs such as Microsoft Office, Adobe Creative Suite and other media-related software.

**Business Tech Web Design 2 KCC . . . . . . . . . . . . . . . H8549**
Grade level 11-12. One semester
Prerequisite: Grade “C” or better in Business Technology & Web Design 1
Academic credit: 1.5 Elective

Students learn to use network computer systems, various software programs such as Microsoft Office, Adobe Creative Suite and other media-related software on the expert level.

**Business Tech Web Design OJT KCC . . . . . . . . . . . . . . H8550**
Grade level 11-12. One semester
Prerequisite: Grade “C” or better in Business Technology & Web Design 2
Academic credit: 1.5 Elective
May be taken 2 times

On the Job Training (OJT) is a continuation of the Business Tech program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

**General Management (Entrepreneurship)**

This pathway prepares students to focus on careers that plan, organize, direct and evaluate all parts of the business organization.

**Entrepreneurship & Enterprise 1 KCC . . . . . . . . . . . . . . . . . . . . . . . . . . . . H8095**
Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Economics and .5 Language Arts and 1.0 Elective

Students will learn and experience business operations through a hands-on and problem-based curriculum. The focus will be entrepreneurship; students will work in teams to develop, plan, and sell a product or service at KCC. Students will learn how fields such as accounting, finance and marketing fit together in a functioning business. Personal ethics, business planning, economics, finance, accounting basics, communications, marketing, corporate responsibility and technical writing will be integrated into the course. The Anchorage Chamber of Commerce will issue an “endorsement” to students who have successfully met its portfolio requirement.

**Entrepreneurship & Enterprise 2 KCC . . . . . . . . . . . . . . . . . . . . . . . . . . . . H8096**
Grade level 11-12. One semester
Prerequisite: Grade “C” or better in Entrepreneurship & Enterprise 1
Academic credit: .5 Economics and .5 Language Arts and 1.0 Elective

Students in the second semester will develop a business project. This will focus on project management and facilitation, general business concepts, contracts, technical writing, accounting basics, and project/product presentations. Utilizing industry partners, students will provide real world solutions to business problems.

**Career Readiness**

This cluster focuses on career transitions and preparation for being work ready.

**Career & Work Readiness**

Students in this pathway will focus on transition from school to work.

**Career & Work Readiness KCC . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . H0012SSP/H3020SP/H9805SP**
Grade level 10-12. One semester
Prerequisite: Must have an IEP
Academic credit: .5 Language Arts, .5 Social Studies, .5 Elective

The Work Readiness Program is for students with Individual Education Plans (IEP) who are ready to begin the process of transition from school to work. Being “work ready” requires preparation, practice, exploration and work experience in order to be successful in reaching their employment and vocational goals. Students have an opportunity for a Formal Vocational Assessment to help determine their interests and aptitudes. Students will complete a portfolio with resume, writing samples, and other documents necessary for job search, training, scholarships and future transitional planning.

Students will interview for appropriate placement. This class is designed to develop an Individual Employment Plan, prepare to become competitively employed, or seek and apply for training
through college, vocational training, apprenticeship or on-the-job training.

**Education and Training**

This career cluster focuses on planning, managing and providing education and training services, and related learning support services from infant through adult education.

**Teaching and Training (Early Childhood Education)**

This pathway prepares students to enter into a variety of careers in education including teaching, administration, nanny, literacy specialist, and preschool / childcare program director.

**Early Childhood Education 1KCC ...............H8303**

* Grade level 11-12. One semester
* Prerequisite: Municipal licensing requires all students to complete paperwork for a background check and documented health history
* Academic credit: .5 Social Studies Elective, 1.0 Elective

The Early Childhood Education Program provides students an opportunity to work and learn about young children. Students work in a municipal-licensed preschool that follows NAEYC Accreditation Standards. The first semester curriculum includes: child development, health, safety, guidance, and parenting. Students enrolled in the second semester will continue their study of child development focusing on the elements of a quality learning environment and creative development of young children.

**Early Childhood Education 2 KCC .................H8304**

* Grade level 11-12. One semester
* Prerequisite: Grade “B” or better in Early Childhood Education 1
* Academic credit: 1.5 Elective

In Early Childhood Ed 2nd Semester students continue their study of early education. Students concentrate on developmentally appropriate ECE curriculum development and lesson planning in all of the curriculum areas (art, music, science, math, social studies, literacy, outdoor/games). Lessons are implemented in the preschool setting.

**Early Childhood Education OJT KCC .............H8305**

* Grade level 11-12. One semester
* Prerequisite: Grade “B” or better in Early Childhood Education 2
* Academic credit: 1.5 Elective
* May be taken 2 times

On the Job Training (OJT) is a continuation of the Early Childhood Education program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

**Engineering Technology**

This career cluster focuses on planning, managing and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.

**Engineering & Technology (Electronics and Telecommunication)**

This pathway prepares students to enter into careers in instrumentation, electronics and automation.

**Electronics and Telecommunications 1 KCC .........H8245**

* Grade level 11-12. One semester
* Prerequisite: Algebra 1 with a grade of “C” or higher
* Academic credit: .5 Physical Science, .5 Math, .5 Elective

This course integrates extensive interactive computer programs to emphasize basic electronics theory and application. Students can earn college credits and electronics certifications that may be given upon successful course competition and students may enjoy advanced standing at other post-secondary institutions. First semester, personnel skills to include careers, business ethics, and dealing with customers. Basic D.C. electricity which includes safety, soldering, schematics, series and parallel circuits, tools, components, cabling and test equipment.

**Electronics and Telecommunications 2 KCC .........H8246**

* Grade level 11-12. One semester
* Prerequisite: Grade “C” or better in Electronics and Telecommunications 1

**Electronics and Telecommunications 3 KCC .........H8247**

* Grade level 11-12. One semester
* Prerequisite: Grade “C” or better in Electronics and Telecommunications 2

**Electronics and Telecommunications 4 KCC .........H8248**

* Grade level 11-12. One semester
* Prerequisite: Grade “C” or better in Electronics and Telecommunications 3

**Electronics and Telecommunications OJT KCC ....H8249**

* Grade level 11-12. One semester
* Prerequisite: Grade “C” or better in Electronics and Telecommunications 4

* Academic credit: 1.5 Elective
* May be taken 2 times
On the Job Training (OJT) is a continuation of the Electronics & Telecommunications program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

**Health Science**
Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

**Therapeutic Services (Emergency Medical Technology)**
This pathway prepares students to be a part of the emergency response team.

**Emergency Medical Tech KCC ..............H8950**  
Grade level 11-12. One semester  
Prerequisite: None.  
Academic credit: .5 Life Science, 1.0 Elective

**Emergency Medical Tech OJT KCC ..............H8953**  
Grade level 11-12. One semester  
Prerequisite: None.  
Academic credit: 1.5 Elective  
May be taken 2 times

On the Job Training (OJT) is a continuation of the EMT program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

**Allied Health (Advanced Health Career Pathways)**
This pathway introduces students a variety of healthcare positions in therapeutic and diagnostic services, health informatics or support services.

**Advanced Health Career Pathways 1 KCC ......H8910**  
Grade level 11-12 (Grade 10 with instructor/counselor approval). One semester  
Prerequisite: Biology and/or Health Occupations with a “C” or better CPR/First Aid certification or concurrent.  
Academic credit: .5 PE/Health, .5 Life Science, .5 Elective

Advanced Health Career Pathways 1 is a challenging course designed to prepare students for further education in the medical field. This highly academic class is primarily a hands-on, skill-building program that aligns with both HOSA (Health Occupations Students of America) and the National Health Care Skills Standards and Career Clusters Initiative. Units of study include Pathogens & Disease, Medical Office Technology, Forensic Medicine, Clinical Laboratory Science, Optical Diagnostics, Imaging Diagnostics and Biotechnology Applications. Within each unit, students will investigate diagnostic tests, corrective procedures, cutting edge technology and specific career opportunities.

**Advanced Health Career Pathways 2 KCC .........H8911**  
Grade level 11-12. One semester  
Prerequisite: Grade “C” or better in Advanced Health Career Pathways 1  
Academic credit: .5 Life Science, 1.0 Elective

Advanced Health Career Pathways 2 will expand on the skills and knowledge gained in the first semester. This highly academic class is primarily a hands-on, skill-building program that aligns with both HOSA (Health Occupations Students of America) and the National Health Care Skills Standards and Career Clusters Initiative. Units of study include Dental Diagnostics, Respiratory Therapy, Cardiac Diagnostics, Pharmacology, Sports Medicine and Physical Assessment. Within each unit, students will investigate diagnostic tests, corrective procedures, cutting edge technology and specific career opportunities.

**Advanced Health Career Pathways OJT KCC ......H8913**  
Grade level 11-12 One semester  
Prerequisite: Grade “C” or better in Advanced Health Career Pathways 1  
Academic credit: 1.5 Elective  
May be taken 2 times

On the Job Training (OJT) is a continuation of the AHCP program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

**Therapeutic Services (Personal Care Assistant)**
This pathway prepares students to enter to a career as a Personal Care Assistant (PCA).

**Practice and Health for PCA KCC ..............H6020**  
Grade level 11-12. One semester after-school program at KCC  
Prerequisite: None  
Academic credit: 1.5

The Personal Care Assistant (PCA) course provides the knowledge base and skill performance practice to meet the competency based standards required for State of Alaska Personal Care Assistant certification. Students will demonstrate proficiency in basic health and personal care skills that assist elderly clients or clients with disabilities with daily living tasks such as bathing, dressing, grooming, meal preparation and maintaining a safe and comfortable home care environment. Upon successful completion of the PCA class curriculum and the State of Alaska written exam, students 18 years and older will be qualified to work as a Personal Care Assistant - one of the fastest growing occupations in Alaska!

**Therapeutic Services (Certified Nurse Assistant)**
This pathway prepares student to enter into the health care industry as a Certified Nurse Assistant (CNA).

**Certified Nursing Assistant KCC ..............H8957**  
Grade level 11-12 (Must be at least 17 years old. Course also taught in after-school program at KCC
Prerequisite: Biology and complete application with teacher recommendations. Recommend completion of Health Occupation Essentials and Medical Terminology
Academic credit: 1 Elective
The Certified Nurse Assistant program is designed to provide graduating seniors with the knowledge, skills training and clinical experience necessary to perform fundamental health care skills and deliver safe and competent client care under the supervision of a licensed nurse. This rigorous course is designed to meet the curriculum requirements of the Alaska State Board of Nursing, and includes didactic instruction, supervised skills training and practice, and hands-on clinical experience with clients in acute care, long term care, and assisted living facilities. Successful completion of the CNA course qualifies students to sit for the Alaska State exam and earn a nationally recognized CNA certificate, opening the door to employment opportunities in a high demand health career field.

Hospitality and Tourism
This career cluster emphasizes the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.

Restaurant & Food/Beverage (Culinary Arts)
This pathway emphasizes culinary pathways in hotels, restaurants, lodges and catering businesses.

Culinary Arts 1 KCC ................. H8311
Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Physical Science, 1.0 Elective
This program is designed to introduce students to the skills necessary for a successful career in culinary arts. Cooking instruction will include American regional, European and Asian cuisines. Students will be instructed on classical culinary skills including: knife skills, station organization, cooking methods and techniques, soups, stocks and sauces, vegetable and starch cookery as well as meat and fish fabrication. Baking instruction includes knowledge of the functions of ingredients, basic technique and preparation methods of advanced and classical pastries, cakes and breads. Garde manger instruction will include proper care and preparation of a variety of salads, dressings and garnishes. Students will also become familiar with the use and care of state-of-the-art tools and professional culinary equipment as part of the curriculum along with the understanding and adherence of modern kitchen sanitation and safety standards.

Culinary Arts 2 KCC ................. H8312
Grade level 11-12. One semester.
Prerequisite: Grade “B” or better in Culinary Arts 1.
Academic credit: .5 Physical Science, 1.0 Elective
Culinary 2 students are further exposed to American and World regional cuisines and will continue to develop the basic skills learned in Culinary 1 through lecture, required caterings and daily production for the KCC Cafeteria. Advanced baking techniques will be introduced. Students will be required to plan and organize a restaurant concept to include designing a menu and restaurant floor plan while staying in theme with a regional cuisine of their choice. In addition students will also explore the culinary profession, learn about post-secondary education and jobs available in the culinary field.

Culinary Arts 3 KCC ................. H8313
Grade level 11-12. One semester
Prerequisite: Grade “B” or better in Culinary Arts 2
Academic credit: .5 Physical Science, 1.0 Elective
Culinary 3 students are continuing to develop the skills they have learned in Culinary 1 & 2 through required caterings and daily production for the KCC Cafeteria. They are required to provide a strong leadership role and assistance for their peers at their stations during production. Students will be required to create a culinary portfolio to document their experiences of their restaurant project and practical through an essay explaining the origins and background of the overall project, and brief explanations of the courses prepared with photos of the completed dish. Students will be required to update their professional resume and scholarship portfolio. Students will also be required to conduct a job shadow, minimum of 2 hours, with a local chef and provide a biography of this chef and an essay summarizing the job shadow experience.

Culinary Arts OJT KCC ............... H8314
Grade level 11-12. One semester
Prerequisite: Grade “B” or better in Culinary Arts 2
Academic credit: 1.5 Elective
May be taken 2 times
On the Job Training (OJT) is a continuation of the Culinary program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

Travel and Tourism – This pathway will focus on development, research, and packaging promotion of the traveler’s experience. There is a broad range of jobs in the pathway from planning trips and evening to managing customer’s travel plans or overseeing an urban convention center.

Travel & Tourism Mgt 1 KCC ........ H8650
Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Alaska Studies, .5 Social Studies Elective, .5 Elective
In Travel & Tourism I, students learn about the varied sectors within the T&T, including the Hotel & Lodging, and Food & Beverage sectors. Throughout the course, students will learn valuable knowledge about Alaska and the role tourism plays in the Alaskan economy.

Travel & Tourism Mgt 2 KCC ........ H8651
Grade level 11-12. One semester
Prerequisite: Grade “C” or better in Travel and Tourism 1
Academic credit: 1.5 Elective
In Travel & Tourism II, students strengthen their skills learned in T&T and expand their studies of travel and tourism in Alaska.
Throughout the course, students will learn about international travel, technology and travel and the transportation sector. Students will strengthen the skills necessary for pursuing an entry level job or further education for travel and tourism careers. Students may participate in job shadowing at different industry sites.

**Travel & Tourism Mgt OJT KCC**

*Grade level 11-12. One semester*

*Prerequisite: Grade "C" or better in Travel and Tourism 1*

*Academic credit: .5 Math and 1.0 Elective*

*May be taken 2 times*

On the Job Training (OJT) is a continuation of the Travel and Tourism program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

**Travel and Tourism (Alaska Railroad)**

**AK Railroad Tour Guide Program (KCC)**

*Grade level 9-12. One semester after-school program at KCC*

*Prerequisite: None*

*Academic credit: .5 Alaska Studies*

The Alaska Railroad Tour Guide program is an intensive training program which is designed for students to develop a thorough knowledge of Alaska visitor interests and professional skills as tour guides and ambassadors for Alaska Tourism. The program is sponsored through a School Business Partnership between the Alaska Railroad and ASD - King Career Center. This program is offered as a 10 week, spring semester class and is held during after-school hours.

**Human Services**

This career cluster focuses on preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care, and consumer services.

**Personal Care Services (Cosmetology)**

This pathway prepares students to enter into careers as an esthetician, stylist, or other personal care service representative.

**Cosmetology 1 KCC**

*Grade level 11-12. One semester*

*Prerequisite: None. $40.00 lab fee*

*Academic credit: .5 PE/Health, 1.0 Elective*

Cosmetology I is a job-oriented course of instruction in the field of Hairdressing. Students receive a State of Alaska Hairdressers Student Permit. Students will have their hours and operations documented. The hours and operations earned are accumulated toward the 1,650 hours and operations required for Alaska of State licensing in the field of Hairdressing. All hours and operations are transferable if a student should transfer to another post-secondary Cosmetology school within the State of Alaska.

**Cosmetology 2 KCC**

*Grade level 11-12. One semester*

*Prerequisite: Grade “B” or better in Cosmetology 1. $40.00 lab fee*

*Academic credit: 1.5 Elective*

Cosmetology II is a job-oriented course of instruction in the field of Hairdressing. Students receive a State of Alaska Hairdressers Student Permit. Student will have their hours and operations documented. The hours and operations earned are accumulated toward the 1,650 hours and operations required for Alaska of State licensing in the field of Hairdressing. All hours and operations are transferable if a student should transfer to another post-secondary Cosmetology school within the State of Alaska.

**Cosmetology 3 KCC**

*Grade level 11-12. One semester*

*Prerequisite: Grade “B” or better in Cosmetology 2 $40.00 lab fee*

*Academic credit: 1.5 Elective*

Cosmetology 3 is a job-oriented course of instruction in the field of Hairdressing. Students receive a State of Alaska Hairdressers Student Permit and will have their hours and operations documented. The hours and operations earned are accumulated toward the 1,650 hours and operations required for Alaska of State licensing in the field of Hairdressing. All hours and operations are transferable to another post-secondary Cosmetology school within AK.

**Cosmetology OJT KCC**

*Grade level 11-12. One semester*

*Prerequisite: Grade “B” or better in Cosmetology 3 $40.00 lab fee*

*Academic credit: 1.5 Elective*

*May be taken 2 times*

On the Job Training (OJT) is a continuation of the Cosmetology program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

**Information Technology**

This pathway build linkages in IT occupations for entry level, technical and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services.

**Network Systems (Computer Information Technology)**

Careers in this pathway involve network analysis, planning and implementation, design, installation and maintenance & management of network systems.

**Computer Information Technology 1 KCC**

*Grade level 11-12. One semester*

*Prerequisite: Good math skills are necessary*

*Academic credit: .5 Math and 1.0 Elective*

This program gives students the opportunity to develop a broad range of computer skills. It provides an integrated approach to attainment of the nationally recognized certification known as A+ Certification, which incorporates maintaining, troubleshooting and repairing computer hardware and software.

**Computer Information Technology 2 KCC**

*Grade level 11-12. One semester*

*Prerequisite: Grade “C” or better in Computer Information Technology 1*

*Academic credit: .5 Math and 1.0 Elective*

This program gives students the opportunity to develop a broad range of computer skills. It pro-
vides an integrated approach to attainment of the nationally recognized certification known as Net+ Certification, which incorporates setting up, maintaining, and troubleshooting computer networks.

**Computer Information Technology OJT KCC . . . . H8543**

Grade level 11-12. One semester
Prerequisite: Grade “C” or better in Computer Information Technology 2
Academic credit: 1.5 Elective
May be taken 2 times

On the Job Training (OJT) is a continuation of the CIT program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

**Law and Public Safety**

Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

**Emergency and Fire Management**

This pathway prepares students for career in emergency response.

**Fire & Rescue Services KCC . . . . . . . . H8129**

Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Physical Science, 1.0 Elective

Students learn to be a part of an emergency response team while planning for careers in emergency services occupations such as firefighters, hazardous material specialists, search and rescue personnel, and dispatchers. Topics include Chemistry and physics of fire behavior, the use of specialized apparatus, hydrants and commercial fire extinguishment systems, vehicle accidents and fires, search and rescue techniques, hazardous materials spills, confined space rescues, arson investigation, disaster triage, and emergency management. The course also includes topics on careers, the hiring process and barriers to employment, professional resumes and job interviews.

**Fire & Rescue Services OJT KCC . . . . . H8128**

Grade level 11-12. One semester
Prerequisite: Fire & Rescue Services
Academic credit: 1.5 Elective
May be taken 2 times

On the Job Training (OJT) is a continuation of the Fire & Rescue program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

Legal Services (Public Safety & Security) – This pathway prepares students for a variety of careers in law enforcements, corrections or criminal justice.

**Public Safety & Security 1 KCC . . . . H8217**

Grade level 11-12. One semester
Prerequisite: High reading level and good writing skills recommended
Academic credit: .5 Social Studies Elective, 1.0 Elective

This is a fast paced course that covers the three major components of the criminal justice system; law enforcement, law, corrections. In addition to a survey of the criminal justice system, students will investigate a mock crime scene and later answer questions from a Superior Court Judge, District Attorney and Public Defender about their investigation. Students will also hear from professionals working in various fields and participate in field trips to the Anchorage Correctional Complex and the Airport Police & Fire Department.

**Public Safety & Security 2 KCC . . . . H8218**

Grade level 11-12. One semester
Prerequisite: Grade “C” or better in Law and Public Safety 1
Academic credit: 1.5 Elective

Students must have completed Public Safety & Security I with a C or better in order to participate in this course. This is a self-directed course that requires a significant amount of role-play and written documentation of scenarios. In addition, students will take a leadership role with first semester students. Students will review important parts of the first semester curriculum.

**Public Safety & Security OJT KCC . . . . H8221**

Grade level 11-12. One semester
Prerequisite: Grade “C” or better in Law and Public Safety 2
Academic credit: 1.5 Elective
May be taken 2 times

On the Job Training (OJT) is a continuation of the Public Safety & Security program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

**Manufacturing**

This career cluster focuses on planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

**Production (Welding)**

This pathway focuses on the production and fabrication of metals materials. Careers in welding are in high demand and span across many industries in Alaska.

**Welding 1 KCC . . . . . . . . . . . H8466**

Grade level 11-12. One semester
Prerequisite: None
Academic credit: 1.5 Elective

The first semester is designed as an introduction to the cutting and welding of mild steels by the oxy-acetylene and electric arc processes.

**Welding 2 KCC . . . . . . . . . . . H8467**

Grade level 11-12. One semester
Prerequisite: Grade “B” or better in Welding 1 and fewer than 10 absences
Academic credit: 1.5 Elective

The second semester is designed for blueprint reading in welding and an introduction to the welding of mild steels with the gas metal arc welding process (GMAW)’.
welding and fabrication techniques with respect to American Welding Society (AWS) recommended practices.

**Welding 3 KCC .............................. H8468**
Grade level 11-12. One semester
Prerequisite: Grade “B” or better in Welding 2 and fewer than 10 absences
Academic credit: 1.5 Elective
Second and third semester students will be learning advanced welding and fabrication techniques with respect to American Welding Society (AWS) recommended practices. The third semester program is for advanced students and prepares them for jobs in welding-related industries and welder certification using shielded metal arc welding (SMAW).

**Welding OJT KCC .......................... H8469**
Grade level 11-12. One semester
Prerequisite: Grade “B” or better in Welding 3 and fewer than 10 absences
Academic credit: 1.5 Elective
May be taken 2 times
On the Job Training (OJT) is a continuation of the Welding program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

**Transportation, Distribution & Logistics**
This career cluster focuses on planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

**Equipment Maintenance (Aviation Maintenance)**
This pathway prepares students to enter into careers in aviation maintenance.

**Aviation Maintenance Tech 1 KCC .................. H8401**
Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Physical Science, .5 Math, .5 Elective
Students will be introduced to aircraft hardware components and corrosion. This course covers basic processes of aircraft hardware usage, corrosion control, heat treatment, and hardness testing. In the lab students will build skills in performing inspection and maintenance functions on welded aircraft structures.

**Aviation Maintenance 2 KCC ..................... H8402**
Grade level 11-12. One semester
Prerequisite: Grade of “C” or better in Aviation Maintenance 1
Academic credit: .5 Physical Science, .5 Math, .5 Elective
Examines the theory of and practices techniques used in the fabrication, inspection, repair and finishing of bonded structures, i.e. plastics, wood, fabric, carbon fiber, aerometric polyfiber, composite and honeycombed structures to aircraft in shop and field environments.

**Aviation Maintenance 3 KCC ..................... H8403**
Grade level 11-12. One semester
Prerequisite: Grade of “C” or better in Aviation Maintenance 2
Academic credit: 1.5 Elective
Introduces sheetmetal, its properties and uses in fabrication of structural and nonstructural components of aerospace vehicles. Inspection techniques are addressed along with fabrication and repair processes of bending, cutting, forming, drilling, and riveting aluminum sheetmetal parts.

**Aviation Maintenance 4 KCC ........................ H8404**
Grade level 11-12. One semester
Prerequisite: Grade of “C” or better in Aviation Maintenance 3
Academic credit: 1.5 Elective
Introduces the theory of operation and construction of the internal combustion and turbine engines. Examines the combustion processes, design rationale, cooling and lubrication of reciprocating engines. Introduces thrust development and design, and environmental factors that influence thrust along with construction details from inlet to exhaust for turbine engines.

**Aviation Maintenance OJT KCC .................. H8405**
Grade level 11-12. One semester
Prerequisite: Grade of “C” or better in Aviation Maintenance 4
Academic credit: 1.5 Elective
May be taken 2 times
On the Job Training (OJT) is a continuation of the Aviation Maintenance Tech program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

**Equipment Maintenance (Automotive Maintenance)**
This pathway prepares students to enter into a variety of careers in the facility and equipment maintenance industry. Occupations cross a variety of industries including rail, air/space, marine, automotive, and facility maintenance.

**Automotive Maintenance Tech 1 KCC .............. H8409**
Grade level 11-12. One semester
Prerequisite: None
Academic credit: 1.5 Elective
Automotive Maintenance Technology 1 is designed to acquaint the student with the basic principles, operation and maintenance of the automobile through the coordination of classroom and shop activities in which theory and practical skills are learned. The course includes the study of the following systems: general orientation to automotive theories and comprehensive study of brake systems. Shop and personal safety is always an integral part of this class. The course is taught using National Automotive Technicians Education Foundation (NATEF) standards. Job entry opportunities include: Independent service garages, auto dealership service departments, specialty shops, auto parts and service centers and tire centers.

**Automotive Maintenance Tech 2 KCC .............. H8410**
Grade level 11-12. One semester
Prerequisite: Grade of “C” or better in Automotive Maintenance 1
Academic credit: 1.5 Elective
Automotive Maintenance Technology 2 is designed to acquaint the student with the basic principles, operation and maintenance of the automobile through the coor-
dination of classroom and shop activities in which theory and practical skills are learned. The course includes the study of the following systems: suspension, steering, wheel bearings and wheel and tire diagnosis and repair. Shop and personal safety is always an integral part of this class. The course is taught using National Automotive Technicians Education Foundation (NATEF) standards. Job entry opportunities include: Independent service garages, auto dealership service departments, specialty shops, auto parts and service centers and tire centers.

**Automotive Maintenance Tech 3 KCC ......... H8411**
Grade level 11-12. One semester
Prerequisite: Grade of “C” or better in Automotive Maintenance 2
Academic credit: 1.5 Elective

Automotive Maintenance Technology 3 is designed to acquaint the student with the basic principles, operation and maintenance of the automobile through the coordination of classroom and shop activities in which theory and practical skills are learned. The course includes the study of the following systems: General Electric System Diagnosis; Diagnostics of the following systems: Battery; Starting Systems; Charging Systems; Lighting Systems; Gauges, Warning Devices and Driver Information Systems; Horn and Wiper/Washer; Accessories. Shop and personal safety is always an integral part of this class. The course is taught using National Automotive Technicians Education Foundation (NATEF) standards.

**Automotive Maintenance Tech OJT KCC ......... H8411**
Grade level 11-12. One semester
Prerequisite: Grade of “C” or better in Automotive Maintenance 3
Academic credit: 1.5 Elective
May be taken 2 times

On the Job Training (OJT) is a continuation of the Automotive Maintenance Tech program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

**Equipment Maintenance (Auto Refinish)**

This pathway prepares students for careers in automotive body repair.

**Collision Repair & Refinishing 1 KCC ............ H8413**
Grade level 11-12. One semester.
Prerequisite: None.
Academic credit: 1.5 Elective.

Students will learn basic shop safety, tools and equipment used in the maintenance and repair of gasoline engines. Identify engine parts, construction and the principles of operation.

**Collision Repair & Refinishing 2 KCC ............ H8414**
Grade level 11-12. One semester.
Prerequisite: Grade “C” or better in Collision Repair & Refinishing 1.
Academic credit: 1.5 Elective.

Students will learn basic shop safety, tools and equipment used in the maintenance and repair of gasoline engines. Identify engine parts, construction and the principles of operation.

**Collision Repair & Refinishing 3 KCC ............ H8415**
Grade level 11-12. One semester.
Prerequisite: Grade “C” or better in Collision Repair & Refinishing 2.
Academic credit: 1.5 Elective.

Third semester Students in Body/Fender will learn metal straightening, plastic filler application, body panel replacement, sectioning, minor frame repair, auto body alignment and glass replacement. Shop refinishing practices include surface preparation, mixing and applying paint, complete vehicle refinishing and blending. In the second through fourth semesters students will be expected to complete course work and projects at an advanced level and to demonstrate competencies in skill areas not covered in the previous semesters.

**Collision Repair & Refinishing 4 KCC ............ H8416**
Grade level 11-12. One semester.
Prerequisite: Grade “C” or better in Collision Repair & Refinishing 3.
Academic credit: 1.5 Elective.

Fourth semester Students in Body/Fender will learn metal straightening, plastic filler application, body panel replacement, sectioning, minor frame repair, auto body alignment and glass replacement. Shop refinishing practices include surface preparation, mixing and applying paint, complete vehicle refinishing and blending. In the second through fourth semesters students will be expected to complete course work and projects at an advanced level and to demonstrate competencies in skill areas not covered in the previous semesters.

**Collision Repair & Refinishing OJT KCC ......... H8416**
Grade level 11-12. One semester
Prerequisite: Grade “C” or better in Collision Repair & Refinishing 4
Academic credit: 1.5 Elective

On the Job Training (OJT) is a continuation of the Collision Repair program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

**Equipment Maintenance (Outdoor Power Equipment)**

This pathway prepares students for careers in the small engine equipment repairs.

**Outdoor Power Equipment 1 KCC ............ H8460**
Grade level 11-12. One semester
Prerequisite: None
Academic credit: 1.5 Elective

Students will learn basic shop safety, tools and equipment used in the maintenance and repair of gasoline engines. Identify engine parts, construction and the principles of operation. Identify engine parts, construction and the principles of operation will be studied. Students will work on 2 and 4-cycle Tecumseh and Briggs & Stratton 3.5 to 5 horsepower engines used in lawn and garden equipment.

**Outdoor Power Equipment 2 KCC ............ H8461**
Grade level 11-12. One semester
Prerequisite: Grade “C” or better in Outdoor Power Equipment 1
Academic credit: 1.5 Elective
Students will be leaders in shop area, continue to work on two and four cycle engines systems, focusing on fuel systems, ignition, lubrication and cooling systems. Piston, piston ring, rod, bearings, crankshaft, valve and camshafts service will be covered. Second semester students will be expected to use most of the test equipment associated with troubleshooting and repairing gasoline engines used in law and garden equipment, small outboard engines and snow blowers.

Outdoor Power Equipment OJT KCC ............ H8462
Grade level 11-12. One semester
Prerequisite: Grade of “C” or better in Outdoor Power Equipment 2
Academic credit: 1.5 Elective

On the Job Training (OJT) is a continuation of the Outdoor Power program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.

Transportation Operations (Aviation Technology)
This pathway prepares students for careers in the aviation operations industry as a pilot, air traffic controller, airfield operations specialist, flight engineer or transportation manager.

Aviation Technology 1 KCC ....................... H8406
Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Physical Science, 1 Elective

This course prepares students for an entry level position in the air transportation industry by introducing them to a wide variety of available career options. This course is designed to be “hands-on”, covering the basic elements of Professional Piloting, Air Traffic Control, and Aviation Administration. Students will concentrate on History, Aerodynamics, Flight Instruments, Aircraft Systems and Performance, Weight and Balance, and Aeronautical Charts. Students will log simulator time in a state of the art flight simulator, visit aviation organizations and businesses, and host a variety of aviation professionals.

Aviation Technology 2 KCC ...................... H8407
Grade level 11-12. One semester
Prerequisite: Grade of “C” or better in Aviation Technology 1
Academic credit: .5 Physical Science, 1 Elective

Students will receive training in many of the basic areas required by the FAA Private Pilot Written Exam, and receive flight training in UAA's flight simulators. Students will learn the importance of good communication and teamwork as they experience an advanced air traffic control tower simulator and a TRACON radar simulator. Students will be introduced to the variety of demands and skills required to fund, construct, and maintain an airport. Students will develop a scholarship folder, visit a variety of aviation related job sites, and host a variety of aviation professionals.

Aviation Technology OJT KCC ...................... H8408
Grade level 11-12. One semester
Prerequisite: Grade of “C” or better in Aviation Technology 1
Academic credit: 1.5 Elective

On the Job Training (OJT) is a continuation of the Aviation Technology program. Students are placed in a non-paid position related to the industry to continue to explore the career. Students will work a minimum of 12 hours per week for a semester.
ENGLISH AS A SECOND LANGUAGE (ESL)

These courses are designed for the high school student who has been identified and assessed as being limited English proficient according to state law and district procedures. The courses are aligned with the district curriculum yet adapted to meet the English proficiency level and academic needs of the ESL student.

**English I/Newcomer ESL . . . . H0120S1NC/H0120S2NC**

*Grade level 9–12. 1–2 semesters.*

**Prerequisite:** Identified limited English proficient (LEP). Course restricted to students at Newcomers’ Center.

This is an intensive beginning English as a second language (ESL) course designed for non-English proficient students. Course content includes a variety of types of fiction and non-fiction from world/multicultural literature and writing for different purposes and audiences. Instruction and activities focus on development of listening, speaking, reading, and writing skills, emphasizing comprehension and written expression at the students’ level.

**English I . . . . . . . . . . . . . . . . . . H0120EL1**

*Grade level 9–12. 1–2 semesters.*

**Prerequisite:** Identified limited English proficient (LEP).

This is an intensive beginning English as a second language (ESL) course designed for non-English proficient students. Course content includes a variety of types of fiction and non-fiction from world/multicultural literature and writing for different purposes and audiences. Instruction and activities focus on development of listening, speaking, reading, and writing skills, emphasizing comprehension and written expression at the students’ level.

**English I . . . . . . . . . . . . . . . . . . H0120EL2**

*Grade level 9–12. 1–2 semesters.*

**Prerequisite:** Identified limited English proficient (LEP).

This is an intensive intermediate English as a second language (ESL) course designed for non-English proficient students. Course content includes a variety of types of fiction and non-fiction from world/multicultural literature and writing for different purposes and audiences. Instruction and activities focus on improvement of listening, speaking, reading, and writing skills at the intermediate level. Students will practice both oral and written presentations.

**English I . . . . . . . . . . . . . . . . . . H0120EL3**

*Grade level 9–12. 1–2 semesters.*

**Prerequisite:** Identified limited English proficient (LEP).

This is an intensive advanced English as a second language (ESL) course designed for non-English proficient students. Course content includes a variety of types of fiction and non-fiction based on world/multicultural literature and writing for different purposes and audiences. Instruction and activities focus on further development of listening, speaking, reading, and writing skills, emphasizing comprehension and written expression at the advanced level. Students will participate in both oral and written presentations.

**English II/Newcomer ESL . . . . H0122S1NC/H0122S2NC**

*Grade level 9–12. 1–2 semesters.*

**Prerequisite:** Identified limited English proficient (LEP). Course restricted to students at Newcomers’ Center.

This is an intensive beginning English as a second language (ESL) course designed for non-English proficient students. Course incorporates an integrated approach to the teaching of listening, reading and writing with exposure to American Literature. Students will practice both oral and written presentations at their level.

**English II . . . . . . . . . . . . . . . . . . H0122EL1**

*Grade level 9–12. 1–2 semesters.*

**Prerequisite:** Identified limited English proficient (LEP).

This is an intensive intermediate English as a second language (ESL) course designed for non-English proficient students. Course incorporates an integrated approach to the teaching of listening, reading and writing with focus on American Literature. Students will participate both oral and written presentations at the intermediate level.

**English II . . . . . . . . . . . . . . . . . . H0122EL2**

*Grade level 9–12. 1–2 semesters.*

**Prerequisite:** Identified limited English proficient (LEP).

This is an intensive advanced English as a second language (ESL) course designed for non-English proficient students. Course incorporates an integrated approach to further development of the listening, reading and writing skills with focus on American Literature. Students will participate both oral and written presentations at the advanced level.

**English III - US Literature H0124EL1/H0124EL2/H0124EL3**

*Grade level 11. Required. Two semesters.*

**Prerequisite:** None

English III US Literature: This full-year required course focuses on American literature and how it has helped shape our nation. Students will explore and study great literary works from throughout United States’ history including Early American, Civil War, Great Depression and Civil Rights eras. In addition to reading a variety of rich fiction and informational texts, students will improve their writing, critical thinking, speaking, vocabulary, and grammar skills through lessons aligned to the Common Core State Standards. Sharpening their skills through performance tasks such as on demand and extended writing and formal and informal presentations will prepare students to achieve career and college readiness.
Grammar and Vocabulary Building/
Beginning ESL ....................... H0150EL1
Grade level 9–12. 1–2 semesters.
Prerequisite: Identified limited English proficient (LEP).
Non-English proficient students enrolled in this course are developing their English language skills (listening, speaking, reading, writing, grammar and vocabulary building) at the beginning level. English grammar and academic vocabulary will be an emphasis in this course.

Grammar and Vocabulary Building/
Intermediate ESL ..................... H0150EL2
Grade level 9–12. 1–2 semesters.
Prerequisite: Identified limited English proficient (LEP).
This is an intensive intermediate English as a second language (ESL) course designed for non-English proficient students. Course content includes instruction and activities in the basic skills of listening, speaking, reading and writing with emphasis on comprehension, phonetic knowledge, academic vocabulary development, spelling, grammar, handwriting and expression at the intermediate level.

Grammar and Vocabulary Building/
Advanced ESL .......................... H0150EL3
Grade level 9–12. 1–2 semesters.
Prerequisite: Identified limited English proficient (LEP).
ESL/bilingual students enrolled in this course are continuing to develop their English language skills (listening, speaking, reading, writing, grammar and vocabulary building) at a more advanced level. English grammar and academic vocabulary will be an emphasis in this course.

Composition/Newcomer ESL .......... H0210SNC
Grade level 9–12. 1–2 semesters.
Prerequisite: Identified limited English proficient (LEP). Course restricted to students at Newcomers’ Center. Repeatable 1 time for credit.
This is an intensive beginning English as a second language course for non-English proficient students. Course content includes instruction and activities in the basic skills of listening, speaking, reading and writing with emphasis on written expression at the beginning level, using some conventions of Standard English.

Individualized Writing/Beginning ESL .... H0230EL1
Grade level 9–12. 1–2 semesters.
Prerequisite: Identified limited English proficient (LEP).
The focus of this course will be to develop the non-English proficient student's individual writing ability. Instruction and activities will integrate listening, speaking and reading into the writing process. The student will develop the ability to write various genres of writing such as narrative, expository, etc. The conventions of standard English will be emphasized.

Individualized Writing/Advanced ESL .... H0230EL3
Grade level 9–12. 1–2 semesters.
Prerequisite: Identified limited English proficient (LEP).
The focus of this course will be to develop the advanced ESL student's individual writing ability while using the other three skill areas (listening, speaking and reading) and integrating them into the writing process. The student will develop the ability to write various genres of writing such as narrative, expository, etc. The conventions of standard English will be emphasized.

Alaska Studies/Newcomer ESL ........... H3110NC
Grade level 9–12. One semester.
Prerequisite: Identified limited English proficient (LEP).
This required course is designed for the student who has been identified and assessed as being limited English proficient according to state law and district procedures. Course content is aligned with the district curriculum, yet adapted to meet the student's English proficiency level, academic needs, prior knowledge and cultural background. The physical, political and cultural geography of Alaska will be investigated and English language skills will be enhanced and developed.

Area Studies/ESL .......................... H3035EL
Grade level 11–12. One semester.
Prerequisite: Identified limited English proficient (LEP).
This required course is designed for the junior or senior who has been identified and assessed as being limited English proficient according to state law and district procedures. Course content is aligned with the district curriculum, yet adapted to meet the student's English proficiency level, academic needs, prior knowledge and cultural background. The physical and cultural geography of selected regions will be investigated and English language skills will be enhanced and developed. The area studies may include Alaska, Asia, Africa, Latin America, the Pacific Rim, the Middle East or another region/area of the world.

Economics/ESL .......................... H3080EL
Grade level 12. One semester.
Prerequisite: Identified limited English proficient (LEP).
This required course is designed for the junior or senior who has been identified and assessed as being limited English proficient according to state law and district procedures. Course content is aligned with the district curriculum, yet adapted to meet the student's English proficiency level, academic needs, prior knowledge and cultural background.

The course is designed to introduce students to economics vocabulary, concepts, principles and institutions. Students will learn to apply economic reasoning to their lives as citizens, consumers, workers and producers as well as develop their English proficiency.
Global Geography/Newcomer ESL ............ H3030NC
Grade level 11–12. One semester.
Prerequisite: Identified limited English proficient (LEP).

This required course is designed for the student who has been identified and assessed as being limited English proficient according to state law and district procedures. Course content is aligned with the district curriculum, yet adapted to meet the student’s English proficiency level, academic needs, prior knowledge and cultural background. The physical and cultural geography of selected regions will be investigated and English language skills will be enhanced and developed.

Social Studies/ESL ......................... H3013EL
Grade level 11–12. One semester.
Prerequisite: Identified limited English proficient (LEP).

This required course is designed for the junior or senior who has been identified and assessed as being limited English proficient according to state law and district procedures. Course content is aligned with the district curriculum, yet adapted to meet the student’s English proficiency level, academic needs, prior knowledge and cultural background.

This course introduces the student to the vocabulary, concepts and processes of the social sciences and history and relating them to the student, the student’s school, community and current events.

World History/Newcomer ESL
(Circa 500 BC-1800 AD) ............ H3315S1NC/H3315S2NC
Grade level 10. Required. One semester each.
Prerequisite: Identified limited English proficient (LEP).

This course is aligned with the district curriculum, yet adapted to the student’s English proficiency level, academic needs, and prior knowledge. This course provides a study of world history. Included are the geographic regions of Greece, Rome, India, The Far East; China, Japan, Korea, and Africa. Included in semester two are the geographic regions of the Middle East, ancient Americas, Byzantium, and Europe. Geography, humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored.

World History/ESL (Circa 500 BC-1800AD) ........ H3315EL
Grade level 10. Required. Two semesters.
Prerequisite: Identified limited English proficient (LEP).

This course is aligned with the district curriculum, yet adapted to the student’s English proficiency level, academic needs, and prior knowledge. This course provides a study of world history. Included in semester one are the geographic regions of Greece, Rome, India, The Far East; China, Japan, Korea, and Africa. Included in semester two are the geographic regions of the Middle East, ancient Americas, Byzantium, and Europe. Geography, humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored.

U.S. History/Newcomer ESL ... H3317S1NC/H3317S2NC
Grade level 11–12. Two semesters.
Prerequisite: Identified limited English proficient (LEP). Course restricted to students at Newcomers’ Center.

This required course is designed for the student who has been identified and assessed as being limited English proficient according to state law and district procedures. Course content is aligned with the district curriculum, yet adapted to meet the student’s English proficiency level and academic needs.

This course provides a study of United States history with some integration of world history. Geography, economics, government, religion/philosophy, science/technology, sociology and the humanities will be used as perspectives through which U.S. history will be explored. The first semester will explore the American experience through the post WWI era (Roaring Twenties) and the beginning of the Great Depression. The second semester will explore the American experience from the Great Depression through contemporary America.

United States Government/ESL .................. H3075EL
Grade level: 12. One semester.
Prerequisite: Identified limited English proficient (LEP).

This required course is designed for the student who has been identified and assessed as being limited English proficient according to state law and district procedures. Course content is aligned with the district curriculum, yet adapted to meet the student’s English proficiency level, academic needs, prior knowledge and cultural background.

This course is founded on the belief that to become an informed and active citizen, an understanding of U.S. government is essential. It will feature the structure of government and the function of politics, as well as theory and practical application of the following: 1) foundations of U.S. government; 2) institutions and policy making; 3) principles of the U.S. constitution; 4) roles and responsibilities of the citizen; and 5) political behavior.

Pre-Algebra/ESL .................................. H1030EL
Grade level 9–12. Two semesters.
Prerequisite: Identified limited English proficient (LEP).

This required course is designed for the student who has been identified and assessed as being limited English proficient according to state law and district procedures. Course content is aligned with the district curriculum, yet adapted to meet the student's
English proficiency level, academic needs, prior knowledge and cultural background.

This is an introductory math course for students who are developing their English language skills while expanding their mathematical knowledge. This course will be on continued development of pattern recognition, computational skills, elementary algebra topics, geometric relationships, problem-solving and the use of technology.

**Algebra/ESL ................................. H1352EL**

Grade level 9–12. Two semesters.
Prerequisite: Identified limited English proficient (LEP).

This required course is designed for the student who has been identified and assessed as being limited English proficient according to state law and district procedures. Course content is aligned with the district curriculum, yet adapted to meet the student’s English proficiency level, academic needs, prior knowledge and cultural background.

This course reviews and extends problem solving, data analysis, the use of technology (i.e., calculator and computer), the theory, use and understanding of the fundamental operations on real numbers, expressing quantitative statements in algebraic language, solving equations and inequalities, polynomials, the use of rational expressions in equations, the solution of quadratic equations and related applications, coordinate graphing and irrational numbers.

**ESL Tutoring ................................. H9440EL**

Grade level 9–12. Elective. 1–4 semesters; may be repeated as needed.
Prerequisite: Identified limited English proficient (LEP).

This elective course is designed for the student who has been identified and assessed as being limited English proficient according to state law and district procedures.

Content may include specific ESL needs such as reading, listening comprehension, pronunciation, vocabulary development and writing skills; study skills such as outlining, test taking, paraphrasing and/or content area tutoring in math, science, social studies or any other course in which the student needs additional assistance.

**Conceptual Chemistry/ESL ................ H2411EL**

Grade level 10–12. Two semesters.
Prerequisite: None. Physical science.

Provides an opportunity for the student interested in areas other than science to study the basic concepts in chemistry as they relate to home and life. Chemical concepts will be used to explain many of the processes we observe in our daily lives. While examining these concepts, the student will develop skills in the laboratory and in problem solving.

**FINE ARTS**

**ART**

Students will be expected to perform at a higher level of competency and advancement with each semester enrolled in a course.

**Advanced Art I .............................. H5311**

Grade level 11–12. Two semesters.
Prerequisite: Art I and Art II, or instructor approval with portfolio review.

Materials fee required each semester

The intent of this course is to provide a pathway for artistically interested, motivated art students who would like to pursue rigorous art studies on a higher level of study. The first two semesters students will concentrate on a breadth of works. Students electing to advance to AP Art Studio the next year will be prepared with the breadth of art works, one of three requirements for The College Board portfolio review. After successfully completing Advanced Art I, students may elect to enroll in Advanced Art II.

**Advanced Art II ............................. H5312**

Grade level 11–12. Two semesters.
Prerequisite: Advanced Art I

Materials fee required each semester.

The course content concentrates on themes, big ideas, and portfolio development in preparation for student scholarship applications, college entrance requirements, employment preparation, and personal growth. Over the course of two years, Advanced Art I and Advanced Art II, students will be increasing their artistic skills and expression with a purpose in preparation for post-secondary studies, scholarships, employable skills, and/or careers in the visual arts.

**Advanced Placement Art Studio ............ H5015**

Grade level 11–12. Two semesters.
Prerequisite: Portfolio with minimum of six pieces required for review by Advanced Placement selection committee established by the building Art Department staff. Portfolio review required each time the student elects to take Advanced Placement Art. Students will select one of the following categories for portfolio review: Art Studio: 2D, Art Studio: 3D, or Drawing.

Portfolio review by The College Board is required for AP credit. Materials fee required each semester.

Students will select one of the following categories for their portfolio development: Art Studio: 2-D, Art Studio: 3-D, or Art Studio: Drawing. This program is offered for students pursuing college level work while enrolled in high school. Highly interested, motivated students accepted into the program are encouraged to develop a portfolio, which can be submitted in their senior year to The College Board and reviewed for the granting of col-
lege credit. This class is structured in such a way as to encourage freedom of expression, which allows for a variety of solutions to artistic visual problems. This course will reflect three major components that are constants in the teaching of art: a sense of quality in a student’s work, a personal in-depth preoccupation or concentration with a particular mode of working and the student’s need for a variety of breadth of experiences in the formal technical and expressive means of the artist. Two-semester course.

Advanced Placement Art History ......................... H5017
Grade Levels: 11–12, or, by instructor’s approval.
Two-semester course.
Prerequisites: None. It is helpful to have had Art Studio, Art I, Art II, AP Art Studio, World History and/or European History. AP exam required for AP credit. One full year meets the one semester social studies elective requirement and earns an additional one semester general electives requirement.

This course is designed for the student who desires to investigate the evolution of art from the Paleolithic to the present day. Students will be prepared for the advanced placement test and will: 1) develop an understanding of the elements of art, fundamental art historical terminology, and technical processes; 2) analyze how issues such as world events, patronage, gender, and the function and effect of art create the historical context in which art is best understood; 3) compare and contrast the painting, architecture, sculpture, and other media of art, within the Western tradition, between historical and stylistic periods; and, 4) discuss art beyond the European tradition from among the following cultures: the Ancient Near East, Egypt, Africa beyond Egypt, Islam, the Americas, Asia, and Oceania.

Art I ....................................................... H5309
Grade level 9–12. Two semesters.
Prerequisite: None. (consecutive semester enrollment recommended, but not required)
Materials fee required each semester.

This is an integrated study of the visual arts. The major areas of study are drawing, painting, printmaking, sculpture and art metals. Each quarter is presented in an order to develop design concepts, use of media, art history, self-expression and criticism.

Art II ..................................................... H5310
Grade level 9–12. Two semesters.
Prerequisite: Both semesters of Art I. (consecutive semester enrollment recommended, but not required)
Materials fee required each semester.

Quarterly activities built on the foundations of study of Art I. Theming, advanced ideas and problem solving are featured in Art II.

Art Studio ............................................... H5120
Grade level 9–12. One semester.
Prerequisite: None.
Materials fee required each semester.

This is a general exploratory course with a strong emphasis on the elements and principles of design. A variety of art processes and media, i.e., drawing, lettering, printmaking, painting, fiber, layout, jewelry, sculpture, and art appreciation will be introduced. May be taken 4 times.

Drawing and Design ..................................... H5070
Grade level 9–12. One semester.
Prerequisite: None.
Materials fee required each semester.

Introductory course to drawing materials (pastels, crayon, paint and mixed media, pencil, pen and ink, charcoal), drawing techniques such as contour, gesture, perspective, shading and design concepts. Studio course emphasizing the principles of composition, color theory, value and tonal studies. May be taken 4 times.

Jewelry .................................................... H5325
Grade level 9–12. One semester.
Prerequisite: None. Art Studio, Art I or Drawing and Design recommended.
Materials fee required each semester.

An exploration of fabricated jewelry. Projects will be based upon designing, sawing, soldering and polishing jewelry made from flat sheets of metal. The use of natural and man-made materials to enhance projects will be emphasized. The course may include simple forging, casting, enameling, etching and stone setting (equipment dependent). May be taken 4 times.

Painting .................................................... H5140
Grade level 9–12. One semester.
Prerequisite: Art Studio or Drawing and Design.
Materials fee required each semester.

A study of media and techniques in painting, i.e., watercolor, tempera, acrylic, oil and mixed media will be explored in conjunction with a basic investigation of materials and history of painting. May be taken 4 times.

Photography 1 ........................................... H5452
Grade level 9–12. One semester.
Prerequisite: None.
Academic Credit: 1/2 Elective.

This course will provide a basic knowledge of how to take pictures, develop negatives and produce a black and white print. Students will also explore the role of photography in our lives today. Basic composition and print finishing techniques will be covered. Students must furnish their own camera, film and printing paper. A materials fee is required. Many chemicals are used in the photographic process and students will learn how to put safety first. Instruction begins with an explanation of Material Safety Data Sheets, proper chemical handling and safety precautions in a laboratory setting. Students will learn the proper and safe use of equipment. Digital photography education and training is also included at most high schools as part of this course. Some comprehensive high schools provide only digital photography exclusively. Students should check with their individual high school for more information.

Photography 2 ........................................... H5453
Grade level 9–12. One semester.
Prerequisite: Photography I.
Academic Credit: 1/2 Elective.

Students will research a professional photographer, read text materials about advanced photographic information and opportunities and become aware of the advancement of photographic equipment and career opportunities. Students will gain additional

NCAA approved course list can be found at: www.asdk12.org/NCAA

APS eligible course list can be found at: www.asdk12.org/APS
instruction in Material Safety Data Sheets, proper chemical handling and other safety precautions in the laboratory. Students will learn about various camera types and be able to perform proper handling and operations of advanced, standard, digital and vintage cameras and lenses. Students will perform proper print making techniques and create or scan digital images on computer. Students will learn about a variety of composition techniques using various photographic techniques and use the various composition techniques by performing individual projects.

**Multimedia Design** .......................... H5455
Grade level 9–12. One semester. Semesters three and four are designed for advanced students. 
Prerequisite: None. Art Studio or Drawing & Design recommended. 
Materials fee required each semester.

The Multimedia Design course is a merging of traditional art processes with emerging technology. Students will link together a variety of media such as graphics, text, audio and visual programs using basic concepts of two- and three-dimensional design. Through a variety of learning activities, emphasis will be placed on the creative process, conceptual design, solutions and practical applications. May be taken 4 times.

**Pottery** .......................... H5155
Grade level 9–12. One semester.
Prerequisite: None. Art Studio or Drawing and Design recommended. 
Materials fee required each semester.

Beginning students will study media skills, techniques of hand building with clay, such as pinch, coil and slab and history of clay as an art form. Clay processes, preparation, experimentation with texture, surface decoration, sculpture, wheel throwing, glazing and firing will be explored. Advanced students will calculate and mix chemicals to create glazing compounds. May be taken 4 times.

**Printmaking** .......................... H5630
Grade level 9–12. One semester.
Prerequisite: Art Studio, Art I or Drawing and Design. 
Materials fee required each semester.

Beginning students will be introduced to the various printmaking methods that may include relief printing, intaglio, lithography, silk screening and embossing processes, depending on available equipment. Advanced students will create multi-colored images and learn to register multiple prints. May be taken 4 times.

**Sculpture** .......................... H5175
Grade level 9–12. One semester.
Prerequisite: None. Art Studio, Art I or Drawing and Design recommended. 
Materials fee required each semester.

This is an introductory course in basic problems of three-dimensional forms using a variety of media: paper, wood, stone, clay, wax, wire, plaster, metal and glass. Additive and subtractive techniques will be explored. May be taken 4 times.

**MUSIC**

**Band I, Concert** .......................... H5626
Grade level 9–12. Two semesters.
Prerequisite: Beginning Band or Director’s approval.

This course is designed to improve student's technical skills on their instrument. Students will experience an awareness of music through theory and history of band music. Students will be instructed to memorize scales in basic keys. Students will practice a balance of study books with some standard literature in preparation for advancement into concert band. Performances outside of class are required. Repeatable unlimited times.

**Band II, Symphonic** .......................... H5631
Grade level 9–12. Two semesters.
Prerequisite: Intermediate Band or Director’s approval.

Students will experience advanced technical training through group and individualized instruction. Students will increase individual concepts of tone control, nomenclature and musical awareness through the study of band literature as well as technique materials drawn from standard study books. This course provides an increased emphasis on musical style and interpretation. Performances outside of class are required. Repeatable unlimited times.

**Band III, Wind Ensemble** .......................... H5641
Grade level 9–12. Two semesters.
Prerequisite: Audition and Director’s approval.

This music ensemble is a sequel to concert band for those wishing to perform at an optimum playing level. This is a high involvement class with an emphasis on performance. Some written work and several evening performances are required during the year, including major concerts, solo and small ensemble festivals, large group festivals, area festivals and athletic events. Performances outside of class are required. Individual study is highly recommended. Repeatable unlimited times.

**Band, Jazz** .......................... H5651
Grade level 9–12. Two semesters.
Prerequisite: Audition, symphonic band performance level and Director’s approval.

This class offers the advanced student a chance to explore the big band sound as well as exposure to the theory of improvisation and chord reading. The group will give the student a chance to play and perform more modern forms of dance orchestration such as rock, jazz, ballad, Latin, etc. Performances outside of class are required. Enrollment is limited to standard stage band instruments. Other instruments are possible upon instructor’s approval. Because the basic concepts of musicianship apply to all styles of performance, students may be required to enroll in Symphonic Band in addition to Jazz Band to further their individual abilities. Repeatable unlimited times.

**Choir, Intermediate** .......................... H5521
Grade level 9–12. Two semesters.
Prerequisite: Audition or Director’s approval.

A sequel to the concepts of beginning choir for student who would like experience in increasing vocal and music-reading techniques through multi-part choral music and studies. Limited
public performances outside of class are required. Repeatable unlimited times.

Choir, Mixed .......................... H5508
Grade level 9–12. Two semesters.
Prerequisite: None.

Fundamentals of choral music will be emphasized to include note reading, part-singing, interpretation, individual and group response to direction and basics of vocal technique. Limited public performances outside of class are required. Opportunity to prepare for advanced choral classes. Repeatable unlimited times.

Choir, Concert .......................... H5531
Grade level 9–12. Two semesters.
Prerequisite: Audition and Director’s approval.

A high involvement level class with emphasis on performance for students of advanced choral ability to include increased individual musical development. Several required performances which may include major concerts, solo and small ensemble festivals and large group festivals. Increased individual study encouraged. Repeatable unlimited times.

Choir, Treble .......................... H5514
Grade Level 9–12. Two semesters.
Prerequisite: None.

A choral ensemble that will perform music written only in treble clef (SA, SSA, SSAA, etc.). Fundamentals of choral music will be emphasized to include note-reading, part-singing, interpretation, individual and group response to direction and basics of vocal technique. Required performances will include major concerts and large group festivals as well as optional participation in solo and ensemble festivals. Repeatable unlimited times.

Choir, Tenor-Bass .......................... H5512
Grade Level 9–12. Two semesters.
Prerequisite: None.

A choral ensemble that will perform music written only in bass clef (TB, TTB, etc.). Fundamentals of choral music will be emphasized to include note-reading, part-singing, interpretation, individual and group response to direction and basics of vocal technique. Required performances will include major concerts and large group festivals as well as optional participation in solo and ensemble festivals. Repeatable unlimited times.

Choir, Swing .......................... H5541
Grade level 9–12. Two semesters.
Prerequisite: Audition, concert choir performance level and Director’s approval.

An ensemble of 12 to 24 select vocalists for the express purpose of singing various musical styles; may include jazz, madrigals or contemporary (pop). The group may perform frequently during the year at school and public functions. For advanced vocal students who is willing to participate in numerous required performances. Repeatable unlimited times.

Music Appreciation .......................... H5718
Peer Teaching. Grade level 9–12. One semester.

Music Appreciation .......................... H5718LS
Grade level 9–12 (10–12 for Peer teachers (PT)). One semester.

Prerequisite: None (Peer teachers (PT) must have Instructor’s approval.)

This is a class for both Life Skills/Intensive Needs (LS/IN) students and General Education (GE) students interested in working as Peer Teachers with the LS/IN population. LS/PT Music Appreciation employs music and music-related activities to reinforce creativity, expression, and appropriate social interaction with peers and adults. GE students are enrolled as Peer Teachers, and their role is to work one-on-one and in small groups with the LS/IN students to reinforce class goals and develop meaningful peer relationships. The class is one-semester, repeatable unlimited times.

Orchestra, String Technique .......................... H5671
Grade level 9–12. Two semesters.
Prerequisite: None.

This course is for students with limited or no previous experience in music. It is for students who wish to learn to play a string instrument for personal or group experience. Students will learn basic left and right hand skill on an instrument and learn to read music notes and symbols. Students will have an opportunity for group playing as well as some limited individual study. This course is a brief overview of string instruments of different types and styles of music. Repeatable unlimited times.

Orchestra I, Preparatory .......................... H5681
Grade level 9–12. Two semesters.
Prerequisite: Middle school experience or Director’s approval.

This course will develop playing skills beyond a beginning level. Emphasis will be on basic, fundamental techniques of string playing including, but not limited to, development of left-hand technique, introduction of a variety of bowing styles, basic theory, key signatures, scales and music history. Home practice and some written work is required. Performances outside of class are required. Individual study is encouraged. Repeatable unlimited times.

Orchestra II, Concert .......................... H5683
Grade level 9–12. Two semesters.
Prerequisite: Middle school experience or Director’s approval.

This course will develop more advanced technical skills in string playing. Emphasis will be on left-hand technique, including position work, bowing styles, tone production, basic theory, key signatures and scales. Students will become acquainted with rehearsal skills required for participation in large musical groups, through varied orchestral literature. Home practice, some written work and several evening performances are required with optional participation in Solo Ensemble Festival. Individual study is encouraged. Repeatable unlimited times.

Orchestra III, Symphonic Strings .......................... H5691
Grade level 9–12. Two semesters.
Prerequisite: Audition and Director’s approval only.

This course is a sequel to Concert Orchestra for those wishing for an optimum playing level. This is a high-involvement class, including the educational benefits of preparing for performances. Command of relevant upper positions, left-hand technique and advanced bowing skills required. Home practice, some written work and several evening performances are required, including major concerts and large group festivals and optional participa-
Guitar, Beginning ............................. H5810
Grade level 9–12. Two semesters.
Prerequisite: None.
This introductory course is for students who do not read music or have limited experience with the guitar. Studies include note-reading in the first position, basic chords, basic music theory, strumming and fingerstyle pattern accompaniment and an introduction to solo repertoire. Performance skills will be developed and opportunities for a recital may be offered. Repeatable for credit.

Guitar, Intermediate ............................. H5820
Grade level 9–12. Two semesters.
Prerequisite: Beginning Guitar or Director's approval.
A continuation of Beginning Guitar introducing note-reading in second position, chord studies including barre chords, music theory, major and minor scales, bass runs and fingerstyle patterns. Students will explore contemporary and classical literature and develop a basic solo repertoire. Performance skills will be stressed with opportunities for performance in semester recitals and optional participation in Solo Ensemble Festival. Repeatable for credit.

Guitar, Advanced ............................. H5830
Grade level 9–12. Two semesters.
Prerequisite: Intermediate Guitar or Director's approval.
A continuation of Intermediate Guitar introducing note-reading in the upper positions, music theory, scale studies and classical technique. Students will acquire a solo repertoire of contemporary and classical guitar pieces. Performance skills will be stressed with opportunities for performance in semester recitals, guitar ensemble and optional participation in Solo Ensemble Festival. Repeatable for credit.

Music Appreciation ............................. H5710
Grade level 9–12. One semester.
Prerequisite: None.
This music course is open to all students and is a study of the lives, experiences and cultural pursuits of people through music. Comprehensive studies will be done on composers and musical works. Also included in the course will be many listening activities of music from its beginning to the present.

Music Appreciation Online ..................... H5710OL
Grade level 9–12. One semester.
Prerequisite: None.
This online music course is open to all students and is a study of the lives, experiences and cultural pursuits of people through music.
Comprehensive studies will be done on composers and musical works. Also included in the course will be many listening activities of music from its beginning to the present.

Music Keyboard ............................. H5715
Grade level 9–12. One semester.
Prerequisite: None.
Beginning Keyboard teaches keyboard skills to those who have had limited or no previous experience with a keyboard instrument. Emphasis is placed on using the electronic keyboard as an accompaniment or as a simple melodic instrument. The class also includes chord symbols as well as theory as it applies to the instrument. May be taken 2 times.

Music Theory & Composition 1 ..................... H5720
Grade level 9–12. One semester.
Prerequisite: None.
This class is for the serious music student who might be considering music as a major in college or the interested student wanting to learn more about fundamentals of music. The class will deal with the theory of music and apply these fundamentals to the composition of traditional music for instruments of definite and indefinite pitch. Standard forms and techniques based primarily on pre-19th Century writing will be utilized. Introduction to music technology, including computer and MIDI-assisted composition/transcription, may be explored.

Music Theory & Composition 2 ..................... H5721
Grade level 9–12. One semester.
Prerequisite: Music Theory and Composition I or Director's approval.
A sequel to Music Theory and Composition, with emphasis on compositional technique. An emphasis may also include advanced computer-assisted composition, transcribing and arranging. Student compositions may be arranged for small instrumental or vocal ensembles.

Advanced Placement Music Theory ..................... H5730
Grade level 11–12. Two semesters.
Prerequisite: Teacher recommendation (student must demonstrate thorough knowledge of music fundamentals, including advanced aural skills and sight singing abilities).
The goal of this course is to prepare each student to take the annual AP Music Theory Exam. The course is designed according to College Board AP guidelines. As described by the College Board, “The ultimate goal of an AP Music Theory course is to develop a student's ability to recognize, understand and describe the basic materials and processes of music that are heard or presented in a score. The achievement of this goal may be best promoted by integrated approaches to the student's development of: aural skills, sight-singing skills, written skills, compositional skills and analytical skills.”

Introduction to Percussion ..................... H5615
Grade level 9–12. One semester.
Prerequisite: None.
This course is for students with limited or no previous experience in music. It is for students who wish to learn to play a percussion instrument for personal or group experience. Music fundamentals will be taught as students gain experience on pitched and non-pitched percussion instruments (snare drum, bells, bass drum, timpani and auxiliary percussion instruments). Limited public performances outside of class may be required. May be taken 2 times.

Percussion Ensemble ..................... H5617
Grade level 9–12. Two semesters.
Prerequisite: Audition or Director's Approval.
This course is for students with previous percussion experi-
ence. Students will learn and perform music written for percussion ensemble while functioning as the percussion section for their school’s bands. Emphasis will be placed on proper playing technique for each percussion instrument, snare drum rudiments and rhythm and pitch reading skills. Performances outside of class are required. Repeatable unlimited times.

**Solo and Small Ensembles** ..........................................................H5660
Grade level 9–12. One semester.
Prerequisite: Director’s approval.

A practical laboratory course best designed for students who can orient their own course of daily study toward a musical proficiency goal predetermined by them and their instructors. A recital may be given at the end of the course. Repeatable unlimited times.

**Vocal Technique 1** .................................................................H5560
Grade level 9–12. One semester.
Prerequisite: None.

Vocal Technique 1 offers individualized instruction in voice. The basic techniques of vocal production and simple art songs will be introduced. Emphasis on independent study and may include the preparation of a classroom recital with an invited audience. Individual material or music will be selected according to the ability of each student. Course develops “stage presence,” builds self-confidence and improves singing technique and ability.

**Ukulele, Beginning** ...............................................................H5504
Grade Level 9-12. Two semesters.
Prerequisite: None.

Introductory course for students who do not read music or have limited experience with the ukulele. Studies include note-reading in the first position, basic chords, basic music theory, strumming and fingerstyle pattern accompaniment and an introduction to solo repertoire. Performance skills will be developed and opportunities for a recital may be offered. Repeatable for credit.

**Ukulele, Intermediate** .........................................................H5505
Grade Level 9-12. Two semesters.
Prerequisite: Ukulele, Beginning or directors approval.

A continuation of Beginning Ukulele introducing note-reading in fifth position, chord studies including barre chords, music theory, major and minor scales, accidentals, and new fingerstyle patterns. Students will explore contemporary and classical literature and develop a basic solo repertoire. Performance skills will be stressed with opportunities for performance in semester recitals and optional participation in Solo Ensemble Festival. Repeatable for credit.

**Ukulele, Advanced** ..............................................................H5503
Grade level 9-12. Two semesters
Prerequisite: Ukulele, Intermediate or directors approval.

A continuation of Intermediate Ukulele featuring development of note-reading, chord studies and fingerstyle patterns. Students will continue to explore contemporary and classical styles and develop a solo repertoire covering both styles. Performance skills will be stressed with opportunities for performance in recitals and optional participation in Solo Ensemble Festival. Repeatable for credit.

**Vocal Technique 2** ..............................................................H5561
Grade level 9–12. One semester.
Prerequisite: Vocal Technique 1 and/or Director’s approval.

A continuation of Vocal Technique 1 with increased emphasis on advanced vocal literature and performance.

**Music Entertainment Technology** .......................................H5509S
Grade level 9–12. One semester.
Prerequisite: none. Repeatable once, with instructor permission

This course will address the creative application of music technology in a culturally relevant manner, exploring common media production techniques, current in the modern entertainment and advertising fields. Building upon a foundation of basic piano keyboarding and music theory skills, students will explore the application of GarageBand, iPhoto, iDV, ivMovie and Microsoft Word and Safari programs in the creation of complex, media presentations. The course also examines the appropriate copyright and safety implications associated with electronic media.

**THEATRE**

**Acting I** .................................................................H9610
Grade level 9–12. One semester. No English credit.
Prerequisite: None.

Much of this course will center around the fundamentals of acting and theatre work. It will include an introduction to improvisation, voice technique, body movement, physical conditioning and terminology. Role and script examination and interpretation may also be included for those students who have progressed well. Performances during school hours will be required. May be taken 8 times.

**Acting II** .................................................................H9612
Grade level 10–12. One semester. No English credit.
Prerequisite: Acting I or director’s approval.

A sequel to the concepts of Acting I. Students experience advanced technical training through group and individualized instruction. Styles of acting, character analysis, audition techniques, text analysis, vocal projection and methods of acting will be studied in practical application. Performance in class and during school hours will be required. May be taken 6 times.

**Play Production** ............................................................H9630
Grade level 9–12. One semester. No English credit.
Prerequisite: Director’s approval.

Play Production involves all aspects of producing a play or musical. The culmination of this course will be theatrical production, which includes student experiences in technical theatre and/or acting. Performance outside of class time is part of course work. May be taken 8 times.

**Stagecraft I & II** ....................................................H9645 /H9646
Grade level 10–12. One semester each. No English credit.
Prerequisite: None.

Stagecraft is the study of all aspects of technical theater. It will include set design and construction, lighting and sound design, costume and property design and construction, marketing the

NCAA approved course list can be found at: www.asdk12.org/NCAA

APS eligible course list can be found at: www.asdk12.org/APS
production and crew and stage managing techniques and responsibilities. May be taken 6 times.

**INTERNATIONAL BACCALAUREATE (West High School)**

The IB Diploma Program is a rigorous two-year college preparatory set of classes for juniors and seniors offered at West High School only. Diploma candidates must take classes in six subject areas: English, a second language, social studies, science, math, and the arts. They must also complete the Theory of Knowledge course.

**Weighted grades and IB**

All IB courses are weighted with the exception of the following: IB Literature and Performance, IB Environmental Systems and Societies, Intro to IB Math Studies, IB Math Studies, IB Mathematics Standard Level, and all of the IB Standard Level world language classes.

**IB Literature I & II ............. H0501IB/H0502IB**

**Grade level 11–12. Four semesters.**

**Prerequisite: Honors English I and/or II recommended.**

Through the study of a wide range of literature, including texts in translation, the course encourages students to appreciate the artistry of literature and to develop an ability to reflect critically on their reading. Works are studied in their literary and cultural contexts, through close study of individual texts and passages, and by considering a range of critical approaches.

**IB Literature and Performance I & II ......... H0498/H0499**

**Grade level 11-12. Four semesters.**

**Prerequisite: English I, English II, STTA or instructor permission.**

This course incorporates essential elements of literature and performance and aims to explore the dynamic relationship between the two. At the heart of the course is this interaction between (i) a conventional literary emphasis on close reading, critical writing and discussion and (ii) the practical, aesthetic and symbolic elements of performance. The course as a whole examines literary and dramatic texts and seeks to develop intellect, imagination and creativity. It encourages intercultural awareness through a study of texts from more than one culture.

**IB History of the Americas I & II ......... H3720IB/H3633**

**Grade level 11–12. Four semesters.**

**Prerequisite: Honors World History or teacher recommendation. First year: US History credit; Second year: Economics and Government credit.**

This course is designed to develop in students a lasting interest in and appreciation for the countries in the Western Hemisphere and includes a comparative study of the histories of Canada, United States and Latin America.

**Introduction to IB Math Studies**

**Grade level 11-12. Two semesters.**

**Prerequisite: Informal Geometry**

This course will introduce students to the topics of linear relations, quadratic functions, systems of equations, polynomial functions, probability, statistics and financial mathematics.

**IB Mathematics Studies I & II ............ H1800/H1802**

**Grade level 11–12. Four semesters.**

**Prerequisite: Geometry or Informal Geometry**

This course will cover linear relations, quadratic functions, rational and inverse functions, grouping rational functions, systems of equations, complex number system, polynomial function, exponential and logarithmic functions, trigonometry, probability, statistics, financial mathematics and introduction to differential calculus.

**IB Mathematics Standard Level ............. H1804**

**Grade level 10–12. Two semesters.**

**Prerequisite: Algebra II**

This course covers logarithmic and exponential functions, analytic geometry, introduction to limits and the derivative, sequences and series, circular and trigonometric functions, graphs, laws, identities, inverses and their applications, vectors, and complex numbers. The course prepares students to study calculus and statistics and probability. Students in the course complete a written project called “mathematical exploration.”

**IB Mathematics Higher Level I & II .......... H1808/H1810**

**Grade level 11–12. Four semesters.**

**Prerequisite: Pre-Calculus**

This course covers functions, graphs, limits, derivatives and integrals by including the study of parametric equation, polar functions and vector analysis.

**IB Further Mathematics ...................... H1812**

**Grade level 12. Two semesters.**

**Prerequisite: Four semesters higher level math.**

This course is designed for students who intend to major in mathematics at the university level. The course will focus on different branches of mathematics to encourage the student to appreciate the diversity of the subject. Students will prepare a portfolio to demonstrate high proficiency in a chosen field of mathematics.

**IB Biology I & II .......................... H2248/H2250**

**Grade level 11–12. Four semesters.**

**Prerequisite: Biology, Chemistry strongly recommended.**

This course will give students a broad and comprehensive experience in the experimental subject of biology, a science based on the use of the scientific method to answer the universal conundrums faced by all living things, with the hope of increasing the appreciation of and respect for life.

**IB Chemistry I & II .......................... H2448/H2450**

**Grade level 11–12. Four semesters.**

**Prerequisite: Chemistry and Algebra II, Biology strongly recommended.**

This course will give students a broad and comprehensive experience in the experimental subject of chemistry, a science based on the use of the scientific method to answer questions about the composition, structure and properties of all the things around us.

**IB Environmental Systems & Societies ........ H2288**

**Grade level 11–12. Two semesters.**

**Prerequisite: Chemistry or Conceptual Chemistry strongly recommended.**
This one-year class is an interdisciplinary science course whose prime intent is to provide students with a coherent and scientific perspective on the environment, drawing attention to the students’ relationship with their environment and the significance of choices and decisions they make in their lives.

**IB Physics** ................................. H2540

Grade level 11–12. Two semesters.

This course offers a study of the most fundamental of the experimental sciences and it seeks to explain the universe itself. Topics covered include physics and physical measurement, mechanics, thermal physics, waves, electricity and magnetism, atomic and nuclear physics, measurement and uncertainties, mechanics, thermal physics, wave phenomena, electromagnetism and quantum and nuclear physics.

**IB Physics I & II** ......................... H2541IB/H2542IB

Grade level 11-12. Four semesters.
Prerequisite: Algebra II, must take IB Physics I before taking IB Physics II

This course offers a study of the most fundamental of the experimental sciences, and it seeks to explain the universe itself. Topics covered include physical measurement, mechanics, thermal physics, waves, electricity and magnetism, atomic and nuclear physics, measurement and uncertainties, and quantum physics.

**IB French Higher Level (HL) I & II**

(pre-advanced to advanced) .......... H1846IB/H1847IB

Grade level 11-12. Four semesters.
Prerequisite: IB French SL I, II or teacher recommendation.

As with the IB French SL courses, this course is structured around three core topics (communication and media, global issues, social relationships) and any two of the following five options (cultural diversity, customs and traditions, health, leisure, science and technology) — approaches the acquisition of language through contextual meaning. With this focus on the core topics and selected options, the course develops students’ receptive skills (understanding authentic written texts and straightforward oral interactions), productive skills (communicating orally with detail and accuracy and writing texts for a variety of audiences) and interactive skills (engaging in conversations and demonstrating inter-cultural engagement).

**IB French Standard Level (SL) I & II**

(intermediate low to intermediate high) .... H1840IB/H1841IB

Grade level 9-12. Four semesters.
Prerequisite: French III or teacher recommendation.

This course focuses on language acquisition through the study and use of a wide range of written and spoken material (from everyday oral exchanges to literary texts) related to French-speaking cultures. Students develop the skills and inter-cultural understanding required to communicate successfully in an environment where French is spoken, thus moving beyond the confines of the classroom to expand their awareness of the world. The course — structured around three core topics (communication and media, global issues, social relationships) and any two of the following five options (cultural diversity, customs and traditions, health, leisure, science and technology) — approaches the acquisition of language through contextual meaning. With this focus on the core topics and selected options, the course develops students’ receptive skills (understanding authentic written texts and straightforward oral interactions), productive skills (communicating orally with detail and accuracy and writing texts for a variety of audiences) and interactive skills (engaging in conversations and demonstrating inter-cultural engagement).

**IB German Standard Level (SL) I & II**

(intermediate low to intermediate high) .... H1840IB/H1841IB

Grade level 9-12. Four semesters.
Prerequisite: German III or teacher recommendation.

This course focuses on language acquisition through the study and use of a wide range of written and spoken material (from everyday oral exchanges to literary texts) related to German-speaking cultures. Students develop the skills and inter-cultural understanding required to communicate successfully in an environment where German is spoken, thus moving beyond the confines of the classroom to expand their awareness of the world. The course — structured around three core topics (communication and media, global issues, social relationships) and any two of the following five options (cultural diversity, customs and traditions, health, leisure, science and technology) — approaches the acquisition of language through contextual meaning. With this focus on the core topics and selected options, the course develops students’ receptive skills (understanding authentic written texts and straightforward oral interactions), productive skills (communicating orally with detail and accuracy and writing texts for a variety of audiences) and interactive skills (engaging in conversations and demonstrating inter-cultural engagement).

NCAA approved course list can be found at: www.asdk12.org/NCAA

APS eligible course list can be found at: www.asdk12.org/APS
This course focuses on language acquisition through the study and use of a wide range of written and spoken material (from everyday oral exchanges to literary texts) related to Spanish-speaking cultures. Students develop the skills and inter-cultural understanding required to communicate successfully in an environment where Spanish is spoken, thus moving beyond the confines of the classroom to expand their awareness of the world. The course—structured around three core topics (communication and media, global issues, social relationships) and any two of the following five options (cultural diversity, customs and traditions, health, leisure, science and technology)—approaches the acquisition of language through contextual meaning. With this focus on the core topics and selected options, the course develops students’ receptive skills (understanding authentic written texts and straightforward oral interactions), productive skills (communicating orally with detail and accuracy and writing texts for a variety of audiences) and interactive skills (engaging in conversations and demonstrating inter-cultural engagement).

IB Russian Standard Level (SL) I & II
(intermediate low to intermediate high) .................. H1848IB/H1849IB
Grade level 9-12. Four semesters.
Prerequisite: Russian III or teacher recommendation.

This course focuses on language acquisition through the study and use of a wide range of written and spoken material (from everyday oral exchanges to literary texts) related to Russian-speaking cultures. Students develop the skills and inter-cultural understanding required to communicate successfully in an environment where Russian is spoken, thus moving beyond the confines of the classroom to expand their awareness of the world. The course—structured around three core topics (communication and media, global issues, social relationships) and any two of the following five options (cultural diversity, customs and traditions, health, leisure, science and technology)—approaches the acquisition of language through contextual meaning. With this focus on the core topics and selected options, the course develops students’ receptive skills (understanding authentic written texts and straightforward oral interactions), productive skills (communicating orally with detail and accuracy and writing texts for a variety of audiences) and interactive skills (engaging in conversations and demonstrating inter-cultural engagement).

IB Spanish Higher Level (HL) I & II
(pre-advanced to advanced) .................... H1842IB/H1843IB
Grade level 11-12. Four semesters.
Prerequisite: IB Spanish SL I, II or teacher recommendation.

As with the IB Spanish SL courses, this course is structured around three core topics (communication and media, global issues, social relationships) and any two of the following five options (cultural diversity, customs and traditions, health, leisure, science and technology). In terms of productive skills, students will work to understand complex authentic written text, including the study of two works of literature, and complex oral interactions. In terms of interactive skills, students will communicate orally with detail and accuracy to explain a point of view, to relate experiences and events, and to examine ideas and concept. They will also produce clear texts appropriately utilizing register, style, rhetorical devices and structural elements as well as producing convincing written arguments. In terms of interactive skills, students will learn to participate in spontaneous conversations that are coherent and varied and that demonstrate inter-cultural engagement.

IB Theory of Knowledge I & II .......................... H3811/H3812
Grade level 11–12. Three semesters.
Prerequisite: Enrollment in IB diploma program.

This one-year class will provide a forum for students to critically reflect upon their education. The goal is to help them to become mindful learners in two important ways: first, to be able
to see the connections between the disparate fields of their six core subjects and second, to begin to answer for themselves the questions of epistemology.

**JROTC**

PE Waiver for JROTC Participation: Upon successful first semester completion of JROTC, students will receive a ½ elective credit. Upon successful second semester completion of JROTC, students will receive a ½ elective and a waiver of ½ credit of their PE requirement. Upon successful third semester completion of JROTC, students will receive a ½ elective credit and a waiver of ½ credit of their PE requirement. Upon successful fourth semester completion of JROTC, students will receive a ½ elective credit and a waiver of 1.0 credits of their PE requirement. PE waivers are allowed by participation in JROTC programs and are not contingent upon participation in summer JROTC camps.

**AFJROTC I** ........................................ H9752
Grade level 9–12. Two semesters.
Prerequisite: None.

Provides the student interested in military academy appointments, ROTC scholarships, enlisted military service after high school, or civilian aerospace-oriented careers with opportunities to develop leadership and management skills, communications techniques and instructional capabilities in the framework of a role-playing leadership laboratory. Drill and ceremony, military bearing, citizenship training and patriotism prepare the cadets for participation in community service opportunities.

**AFJROTC II** ........................................ H9754
Grade level 9–12. Two semesters.
Prerequisite: JROTC I.

The student will understand and apply basic principles of aerodynamics, propulsion and navigation as they relate to the aerospace environment. Cadets assume greater responsibility in running the corps as assistants to the staff officers during the second year. Successful completion of the two years of Aerospace Education entitles a student to the AFJROTC Certificate of Training with educational and career benefits. One-half science credit may be earned for the completion of AFJROTC II.

**AFJROTC III** ........................................ H9756
Grade level 9–12. Two semesters.
Prerequisite: JROTC I-II (recommended but not required).

Students will understand and be able to interpret the role of the United States in international space as man expands his research and travel to other planets. Third year cadets organize and administer the corps through command and staff assignments. Outstanding cadet leaders receive national recognition and possible selection for military academies or ROTC scholarships. Selected volunteers may participate in cooperative career training program at Elmendorf Air Force Base.

**AFJROTC IV** ........................................ H9758
Grade level 9–12. Two semesters.
Prerequisite: JROTC III.

A survey of the relations between nations of the world, the elements of national power and the nature and development of U.S. Air Force doctrine. Also included are instructional units on the foundations of leadership, communicative skills, survival and the obligations and opportunities of the military services.

**Army JROTC I** ........................................ H9760
Grade level 9–12. Two semesters.
Prerequisite: Must be 14 by the end of 9th grade. No record of conviction by civil court.

First year students are given introduction to leadership development, consisting of introduction to Army JROTC organization, personal hygiene, Red Cross first aid/AED/CPR certification, introduction to map reading, marksmanship safety and basic marksmanship, U.S. Constitution and Bill of Rights, unlocking your potential, leadership and followership development and drill.

**Army JROTC II** ........................................ H9762
Grade level 9–12. Two semesters.
Prerequisite: Completion of Army JROTC I.

Second year students are given added instruction in organizational skills. Intermediate marksmanship, intermediate methods of instruction, leadership development and drill, introduction to leadership theory, participation in service learning, team building skills, study of character values, intermediate map reading, Recertification in first aid/CPR/AED and development of communication skills.

**Army JROTC III** ........................................ H9764
Grade level 9–12. Two semesters.
Prerequisite: Completion of Army JROTC II.

Third year students are given applied leadership, consisting of psychology of leadership, seminar in leadership and management, seminar in leadership ethics and values, leadership and small unit leader problems, leadership development and drill, service learning opportunities, applied methods of instruction, recertification in first aid/CPR/AED, exploration of careers, economics and the financial planning process.

**Army JROTC IV** ........................................ H9766
Grade level 9–12. Two semesters.
Prerequisite: Completion of Army JROTC I, II, & III.

Fourth year students are given advanced leadership consisting of conflict resolution and application of leadership principles. Leadership Lab where fourth-year cadets are required to coordinate and organize a service learning project, practical application of leadership in the planning and the operation of all unit staff functions, advanced instruction in written and oral communication, recertification in first aid/CPR/AED and practical application of methods of instruction.

**Naval Science/Leadership I** ........................................ H9768
Grade level 9–12. Two semesters.
Prerequisite: None.

An introduction to developing leadership, teamwork and high standards of personal conduct and appearance. The subject taught will cover six major areas: history of NJROTC, military drill, citizenship, uniforms, laws-authority-responsibility, military customs and courtesies.
Naval Science/Leadership II .......................... H9770
Grade level 9–12. Two semesters.
Prerequisite: None.
A continuation of leadership development, war at sea, how the U.S. Navy functions, naval strategy and tactics, maritime geography- oceanography- meteorology-astronomy and aeronautical science.

Naval Science/Leadership III .......................... H9772
Grade level 9–12. Two semesters.
Prerequisite: None.
There is an increased emphasis on leadership responsibilities by assuming positions of leadership as cadet officers. The subject taught will emphasize sea power, national security, laws of the sea, shipboard life, rules of the road, and navigation-time.

Naval Science/Leadership IV .......................... H9774
Grade level 10–12. Two semesters.
Prerequisite: None.
This year culminates the cadets’ leadership roles by having them be responsible for the direction of the unit. The curriculum will emphasize ethics and morals, case studies, positions of authority and the responsibility for others.

LANGUAGE ARTS

English I ............................................. H0120
Grade level 9. Required. Two semesters.
Prerequisite: None.
This full-year required course incorporates a thematic approach with genre studies. The texts, activities, and assessments have been designed to ensure student growth toward meeting the Common Core State Standards in the areas of reading literature, reading informational text, writing, speaking, listening, and language. Students will read a variety of both world and American literature with an emphasis on textual analysis, including drawing inferences, analyzing main ideas, and distinguishing fact and opinion. Writing, research, vocabulary, and grammar instruction are integrated in every unit.

Honors English I ...................................... H0120H
Grade level 9. Two semesters.
Prerequisite: Language Arts teacher recommendation required.
The Honors English I program is planned for students who demonstrate academic ability and specific interests in an accelerated curriculum in Language Arts. The course parallels the established curriculum of English I; however, Honors English I covers material more rapidly and includes additional selections. Students will read and analyze the classics of world literature and focus on academic writing techniques.

English I Online ............................. H0120OLS1/H0120OLS2
Grade level 9. Required. One semester each.
Prerequisite: None.
This online course incorporates an integrated approach to the teaching of reading and writing. Students read a variety of fiction and nonfiction world literature with an emphasis on literary analysis, including drawing inferences and analyzing main ideas. Students are taught the writing process and write in varying modes and for different purposes throughout the year. Grammar and vocabulary skills are integrated throughout each unit.

English II – World Literature ....................... H0122
Grade level 10. Required. Two semesters.
Prerequisite: None.
This full-year required course incorporates an integrated approach to the teaching of listening, speaking, reading and writing to meet the Common Core State Standards. Students read a variety of fiction and nonfiction world literature with an emphasis on literary analysis, including drawing inferences and analyzing main ideas; media presentations from a variety of perspectives; and dramatic interpretations from plays and excerpts. Students are taught writing process and write in varying modes and for different purposes and audiences throughout the year. Grammar and vocabulary skills are integrated throughout each unit. The fundamentals of formal speech, both to persuade and inform, are also important elements of this world literature course.

Honors English II – World Literature ............. H0122H
Grade level 10. Two semesters.
Prerequisite: Language Arts teacher recommendation required.
Honors English II is intended for students who demonstrate academic ability and specific interests in an accelerated curriculum in Language Arts. The course parallels the established curriculum for English II; however, Honors II covers materials more rapidly and includes additional selections. In-depth study of literary classics and academic writing, research skills, oral expression and listening will be stressed.

English II – World Literature Online ............ H0122OLS1/H0122OLS2
Grade level 10. Required. One semester each.
Prerequisite: None.
This online course incorporates an integrated approach to the teaching of reading and writing with a focus on world literature. This full-year required course incorporates an integrated approach to the teaching of listening, speaking, reading and writing to meet the Common Core State Standards. Students read a variety of fiction and nonfiction world literature with an emphasis on literary analysis, including drawing inferences and analyzing main ideas; media presentations from a variety of perspectives; and dramatic interpretations from plays and excerpts. Students are taught writing process and write in varying modes and for different purposes and audiences throughout the year. Grammar and vocabulary skills are integrated throughout each unit. The fundamentals of formal speech, both to persuade and inform, are also important elements of this world literature course.

English III – US Literature ......................... H0124
Grade level 11. Required. Two semesters.
Prerequisite: None
English III US Literature: This full-year required course focuses on American literature and how it has helped shape our nation. Students will explore and study great literary works from throughout United States‘ history including Early American, Civil War, Great Depression and Civil Rights eras. In addition to reading a variety of rich fiction and informational texts, students
will improve their writing, critical thinking, speaking, vocabulary, and grammar skills through lessons aligned to the Common Core State Standards. Sharpening their skills through performance tasks such as on demand and extended writing and formal and informal presentations will prepare students to achieve career and college readiness.

**English III –**

**US Literature Online**

- **Grade level 11. Required. One semester each.**
- **Prerequisite: None**

English III US Literature: This full-year online required course focuses on American literature and how it has helped shape our nation. Students will explore and study great literary works from throughout United States’ history including Early American, Civil War, Great Depression and Civil Rights eras. In addition to reading a variety of rich fiction and informational texts, students will improve their writing, critical thinking, speaking, vocabulary, and grammar skills through lessons aligned to the Common Core State Standards. Sharpening their skills through performance tasks such as on demand and extended writing and formal and informal presentations will prepare students to achieve career and college readiness.

**English IV**

- **Grade level 12. Required. Two semesters.**
- **Prerequisite: None**

English IV is a full year, 12th grade thematic course including four units of study: Morality, Citizenship, Social Justice, and Nature & Environment. These universal themes are intended to engage students in the critical thinking they must practice to become active participants in their communities. The course meets the Common Core State Standards and focuses on American literature, including seminal U.S. political documents, and world literature, including Shakespeare and other important authors. As the culminating high school English course, the primary writing focus is on expository and argumentative writing, including researched arguments, multimedia presentations, and essays in the major patterns of exposition. Grammar and vocabulary are integrated with the reading, writing, speaking and listening content within each thematic unit in order to ensure instruction of all standards.

**English IV Online**

- **Grade level 12. Required. One semester each.**
- **Prerequisite: None**

English IV is a full year, 12th grade thematic online course including four units of study: Morality, Citizenship, Social Justice, and Nature & Environment. These universal themes are intended to engage students in the critical thinking they must practice to become active participants in their communities. The course meets the Common Core State Standards and focuses on American literature, including seminal U.S. political documents, and world literature, including Shakespeare and other important authors. As the culminating high school English course, the primary writing focus is on expository and argumentative writing, including researched arguments, multimedia presentations, and essays in the major patterns of exposition. Grammar and vocabulary are integrated with the reading, writing, speaking and listening content within each thematic unit in order to ensure instruction of all standards.

**English 9–12**

- **Grade level 9. Required. Two semesters.**
- **Prerequisite: IEP.**

English 9–12 is a full year, 9th grade required course including four units of study: Morality, Citizenship, Social Justice, and Nature & Environment. These universal themes are intended to engage students in the critical thinking they must practice to become active participants in their communities. The course meets the Common Core State Standards and focuses on American literature, including seminal U.S. political documents, and world literature, including Shakespeare and other important authors. As the culminating high school English course, the primary writing focus is on expository and argumentative writing, including researched arguments, multimedia presentations, and essays in the major patterns of exposition. Grammar and vocabulary are integrated with the reading, writing, speaking and listening content within each thematic unit in order to ensure instruction of all standards.

**English 9–12 AC 1**

- **Grade level 9–12. Required. One semester.**
- **Prerequisite: IEP.**

This course teaches functional skills in the areas of listening, speaking, reading and writing toward increased independence. Alternate curriculum for students enrolled in a Life Skills 1 class as required by their IEP. This course is repeatable.

**English 9–12 AC 2**

- **Grade level 9–12. Required. One semester.**
- **Prerequisite: IEP.**

This course teaches functional skills in the areas of listening, speaking, reading and writing toward increased independence. Alternate curriculum for students enrolled in a Life Skills 1 class as required by their IEP. This course is repeatable.

**English 9–12 II**

- **Grade level 9. Required. Two semesters.**
- **Prerequisite: IEP.**

This full-year required course incorporates an integrated approach to the teaching of listening, speaking, reading and writing. Students are instructed in a process approach to reading and writing. Individual and group verbal activities are included to help students work effectively with others. Students practice reading a variety of types of fiction and nonfiction literature and writing for different purposes and audiences. Emphasis is on improving reading and writing skills in practical and creative situations. This course offers a thematic approach with genre studies. Modified curriculum for English I, as required by students’ IEP.

**English 9–12 III**

- **Grade level 11 Two semesters.**
- **Prerequisite: IEP.**

This full-year required course incorporates an integrated approach to exploring American and world literature through numerous literary works, both classic and contemporary, with a focus on identified modes of writing in support of quarterly themes. Students will engage in critical readings, written and spoken responses,
and creative and technical projects using print and web 2.0 tools. The following themes provide a framework for curriculum that promote challenge and accessibility while being relevant: Moral Ambiguity: Good and Evil, Nature: Connections and Conflicts, Justice: Social and Economic, and Expression: Voice and Vision. Students will complete a research paper during the second semester. This course fulfills the writing requirement for graduation. Modified curriculum for English 11, as required by students’ IEP.

**English 9–12 IV** .......................... H0105SP
Grade level 12. Two semesters.
Prerequisite: IEP.

This course is designed for students in grade 12 who are on an IEP and need to develop or improve strategies and skills for reading and writing technical materials, to learn to read and write more efficiently in all content areas and to learn how to access and organize information for successful school-to-career experiences. Modified curriculum for English 12, as required by students’ IEP.

**LANGUAGE ARTS ELECTIVES**

**Advanced Placement Literature and Composition** .......................... H0146
Grade level 11–12. Two semesters.
Two semesters of this course will fulfill the composition credit required for graduation.
Prerequisite: None.

Advanced Placement Literature and Composition, a college-level course, provides an in-depth study of several major literary works and prepares students for the AP Exam in Literature and Composition, a means of obtaining advanced placement in English at most colleges. Writing is an integral part of the course and exam, and writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. Reading in this course is both wide and deep, building upon the reading done in previous English courses. Students read works from several genres, including poetry and drama, and periods, from the sixteenth to the twenty-first century.

**Advanced Placement Language and Composition** .......................... H0245
Grade level 11–12. Two semesters.
Two semesters of this course will fulfill the composition credit required for graduation.
Prerequisite: None.

Advanced Placement Language and Composition is a college-level course that assists students in becoming skilled readers of literature and writers who compose for a variety of purposes. This course also prepares students for the AP Exam in Language and Composition, a means of obtaining advanced placement in English at most colleges. An intensive analysis of literature will develop students’ awareness of the use of language and influence their writing.

**Advanced Placement Language and Composition Online** .......................... H0245OLS1/H0245OLS2
Grade level 11–12. One semester each.
Two semesters of this course will fulfill the composition credit required for graduation.
Prerequisite: None.

This is an online course. Advanced Placement Language and Composition is a college level course that assists students in becoming skilled readers of literature and writers who compose for a variety of purposes. This course also prepares students for the AP Exam in Language and Composition, a means of obtaining advanced placement in English at most colleges. An intensive analysis of literature will develop students’ awareness of the use of language and influence their writing.

**Bible As Literature** .......................... H0395
Grade level 11–12. One semester.
Prerequisite: None.

This course acquaints students of all beliefs with the history, culture, and literature of the Bible. Students will read selections from the Old Testament that include history, poetry, prophecy, law, and tales. Readings from the New Testament and the Apocrypha will be included as time permits. Additionally, students will read contemporary literature making references to Biblical stories and themes. This course will require extensive reading, writing and discussion.

**Children’s Literature** .......................... H0450
Grade level 11–12. One semester.
Prerequisite: None.

Students will explore the history of children’s literature and critically analyze the changes overtime through awards, popular trends, and style. Students are expected to develop skills in recognizing the following in children’s literature: genre traits, characteristics of classics, art forms and illustration, varied formats, literature devices and writer’s craft. This course may also include the study and practical application of those skills through performances, projects, and daily written response. Students will also learn to discern and identify various child developmental stages and relate to specific genre and/or literature. A variety of genres and various novels (chapter books), short stories, folk tales, picture books and poems will be read, discussed and used for models of writing. Children’s literature websites and author websites will be online texts that contribute to the richness of this
course. Performance assessments may include but are not limited to the creation of podcasts, contributions to class blogs or wikis, and time spent reading to children.

**Classical Mythology**.............................H0435
Grade level 11–12. One semester.
Prerequisite: None.

Classical Mythology traces the human quest to understand our world and mankind’s place in the universe through the exploration of Greek and Roman myths. Students will read ancient texts, plays, epics, poetry and modern literature containing allusions to classical mythology. Topics of study will include the historical and theoretical basis of myths and archetypes, including heroes, monsters, quests, and cautionary tales. The course serves as a historical foundation for ideas and attitudes of contemporary culture and explores how references to mythology permeate our modern world through art, literature and music. Classical Mythology will include extensive reading, discussion, creative and analytical writing, and oral presentations.

**Contemporary Literature**.........................H0411
Grade level 11–12. One semester.
Prerequisite: None.

Contemporary Literature is a study of representative works of literature from the last quarter of the twentieth century to the present. Coursework will include the reading and analysis of multiple contemporary works or genres (e.g. poetry and drama, fiction and nonfiction, print and non-print media) that are teacher and student selected. Students will also explore the biographical background, influences and styles of various authors and their contributions to the changing social and intellectual cultures in America. In addition to the reading and discussion of multiple works, students will also write extensively.

**Composition, Intermediate**.......................H0221
Grade Level 11–12. One semester.
Prerequisite: None

Intermediate Composition requires students to read and write around complex literary and informational texts. Students will compose pieces based on three genres: writing to argue, inform/explain, and narrate (convey experiences). Students conduct short as well as more sustained research projects based on focused questions. Students will learn to integrate and synthesize multiple print and digital sources. Emphasis will be on identifying and developing the skills of flexibility, concentration, and fluency in order to produce quality on-demand and extended compositions. Intentional focus will be on supporting students on their way to creating coherent and well-structured texts that contain elements of structure, detail, and craft to accomplish their communicative purposes.

**Composition, Advanced.**..........................H0222
Grade Level 11–12. One semester.
Prerequisite: None

Advanced Composition requires students to read and write around complex literary and informational texts. Students will compose texts based on three genres: writing to argue, inform/explain, and narrate (convey experiences). Students build and refine research, rhetorical, stylistic, and editing skills. An emphasis is placed on writing for on-demand situations, enhancing the overall rhetorical power and communicative purposes of texts, and writing routinely over extended time frames. Skills previously developed in Intermediate Composition will be directly transferable as students in Advanced Composition will be expected to independently produce rhetorically powerful, high-quality, first-draft texts under tight deadlines, as well as independently revisit and revise writing over multiple drafts

**Debate**.................................................H0520
Grade level 9–12. One semester: This course is offered as English elective credit for the first semester and general elective credit for succeeding semesters.
Prerequisite: None.

Debate offers students instruction in persuasive techniques one quarter and formal debate the other quarter. While learning persuasive techniques students study argumentation, rhetoric, and practical applications such as marketing and advertisement. These skills may be applied in projects such as mock trials, congressional hearings, newscasts, and various technical presentations. For formal debate, students will learn about Lincoln-Douglas, policy, crossfire, or parliamentary debate and participate in a debate representing either the affirmative or negative side of a case after preparing for both sides.

**Digital Composition**...............................H0252
Grade level 11–12. One semester.
Prerequisite: None.

This course fulfills the composition requirement for graduation.

The curriculum supports a venue for students to explore and apply knowledge of digital tools and related resources as a means for increased media literacy, written expression and publishing. Students will practice the process and art of composition and then transform select pieces into one of many electronic forms, such as movies, podcasts, blogs, electronic surveys, and websites. Essays, articles, and literature selections are integrated throughout the unit plans. A critical review of websites (content and design) is another component of this class, as well as an examination of the ethical responsibilities of electronic publishers.

**Film As Literature**.................................H0396
Grade level 9–12. One semester.
Prerequisite: None.

Students will develop a critical appreciation of film as a literary genre while exploring how films communicate and affect the viewer and society. Movies from various genres and time periods will be viewed and analyzed using conventional literary devices such as theme, plot, diction, character, mood, setting, and style. Students will respond to and analyze films through extensive writing, discussion, and projects, including written essays, learning logs, storyboards, and film writing and production. In addition, students will build an understanding of visual literacy and the history of film as a literary genre.

**Gothic Literature Online**.........................H0372OL
Grade level 9–12. One Semester.
Prerequisite: None

From vampires to ghosts, these frightening stories have influenced fiction writers since the 18th century. This online course
will focus on the major themes found in Gothic literature and demonstrate how the core writing drivers produce, for the reader, a thrilling psychological environment. Terror versus horror, the influence of the supernatural, and descriptions of the difference between good and evil are just a few of the themes presented. By the time students have completed this course, they will have gained an understanding of and an appreciation for the complex nature of dark fiction.

**Humanities**.......................... H0415
Grade level 11–12. One semester.
Prerequisite: None.

Humanities students study the nature of being human in a series of four units: human rights and cultures, art history, innovative ideas, and modes of self-expression. Students participate in simulations, art and music interpretations, technology projects, and discussions about human ideas and current world events. Contributions to humanity are addressed as a culminating event for the class. This course requires many short reading selections, written responses and research, performances, and presentations.

**Journalism 1: Theory and Practice**...... H0244
Grade level 9–12. One semester.
This course meets the composition requirement for graduation.
Prerequisite: None.

Journalism 1 is a reading and writing course for highly motivated students. This course will explore and practice various writing styles used in a journalism career. Emphasis will be placed on grammar, usage and style according to the AP Stylebook. Proofreading and editing skills will be practiced. The class will develop research, interviewing and documentation skills used in creating well-written, balanced stories. Readings will include selected models of journalistic writing, biographies and historically significant publications. Writing may include, but is not limited to analysis, news, feature, editorial and sports writing. Students will have opportunities to submit pieces for publication.

**Journalism 2: Writing for Publication**...... H0761
Grade level 10–12. One semester: This course is offered as English credit for the first semester and elective credit for succeeding semesters.
Prerequisite: Completion of Journalism 1 with a grade of “B” or better and/or instructor’s permission.

Journalism 2 is an advanced reading and writing course for highly motivated students who wish to continue learning and practicing journalistic writing. This course is designed to produce and manage school-wide publications. Students will continue to improve writing and editing skills learned in Journalism 1 as they study graphics, layout, web design, desktop publishing and new trends in journalistic publishing. Students will practice a variety of journalistic skills in this real-world setting such as advertising sales, layout and design, photography composition, managerial and editorial skills, investigative reporting and legal ethics and responsibilities. Readings will include models of journalistic writing, biographies and significant current events and publications. Grammar, usage, proofreading and editing skills will be emphasized. Assignments will be prepared in AP Stylebook format for publication. The ability to work responsibly and individually to meet deadlines is essential and expected. Teamwork is expected.

Students will write in different reporting styles such as news, feature, sports and editorial writing.

**Reading 9–12 AC**.......................... H0015LS
Grade level 9–12. Two semesters.
Prerequisite: IEP.

This course provides instruction in functional reading skills to teach independence in the community. Alternate curriculum for students enrolled in a Life Skills class as required by their IEP. English credit up to two times, and unlimited for general elective.

**Science Fiction and Fantasy**............ H0455
Grade level 11–12. One semester.
Prerequisite: None.

Science Fiction and Fantasy is a course that explores the outer limits of the imagination and the far-reaching possibilities for the human race and technology through literature. Students will read and discuss classic as well as contemporary novels and short stories in these genres. This course emphasizes science fiction and fantasy genres as vehicles for social criticism and stimulation of thought about technological development and psychological, societal and political organization. Students will write in various modes using multimedia tools.

**Science Fiction & Fantasy Online**...... H0455OL
Grade level 11–12. One semester.
Prerequisite: None.

Science Fiction and Fantasy is an online course that explores the outer limits of the imagination and the far-reaching possibilities for the human race and technology through literature. Students will read and discuss classic as well as contemporary novels and short stories in these genres. This course emphasizes science fiction and fantasy genres as vehicles for social criticism and stimulation of thought about technological development and psychological, societal and political organization. Students will write in various modes using multimedia tools.

**Shakespeare**.......................... H0460
Grade level 11–12. One semester.
Prerequisite: None.

This course illuminates selected works of Shakespeare and provides an introduction to the Elizabethan era. When you read Shakespeare do you think it’s all “Greek to me”? Then don’t worry; you’re already quoting him (Julius Caesar, III). This course is a fun, yes fun, introduction to Shakespeare, his work, his times, and his continuing impact. Students actively engage in producing Shakespeare’s works and creative responses to Shakespeare’s works. They may write (journals, essays, blogs); discuss/seminar (in small groups and large, online or in person); recite (sonnets, speeches); perform (scenes, acts, plays); create (electronic magazines/newspapers, web pages, original scripts and/or poems). The goal is to help students learn to enjoy Shakespeare (or any challenging literature) as they learn the skills of critical reading, listening and writing.

**Sports & Mystery**....................... H0461
Grade level 11–12 One semester.
Prerequisite: None.

This semester course is a rigorous examination of the Sports
World Mythology examines the common elements found in myths from a variety of cultures, including the Middle East, Egypt, Africa, Asia, Northern Europe, and the Americas. Students will read ancient texts, plays, epics, poetry and contemporary literature containing allusions to world myths. Topics of study will include the historical and theoretical basis of myths and archetypes, including creation, heroes, monsters, tricksters, and quests. World Mythology will include extensive reading, discussion, creative and analytical writing, and oral presentations.

World Mythology Online ....................... H0436OL
Grade level 11–12. One semester.
Prerequisite: None.

This is an online course. World Mythology examines the common elements found in myths from a variety of cultures, including the Middle East, Egypt, Africa, Asia, Northern Europe, and the Americas. Students will read ancient texts, plays, epics, poetry and contemporary literature containing allusions to world myths. Topics of study will include the historical and theoretical basis of myths and archetypes, including creation, heroes, monsters, tricksters, and quests. World Mythology will include extensive reading, discussion, creative and analytical writing.

King Career Center academic credit

Advertising, Art and Design 1 KCC ............... H8422
Grade level 11–12. One semester.
Prerequisite: None
Core academic credits: ½ Language Arts.

Advertising, Art & Design 2 KCC ............... H8423
Grade level 11–12. One semester.
Prerequisite: Grade of “C” or better in Advertising, Art & Design 1.
Core academic credit: ½ Language Arts.

Advertising, Art & Design is designed for the student interested in acquiring entry-level skills in the commercial art field. In the first semester, students are introduced to typography, advertising approaches, color and design theory, illustration, magazine and packaging layout and design, marketing, newspaper layout, symbols and logo design. Students are also assigned computer production jobs to complete within the working parameters of time and standards of quality. In the second semester, students receive an in-depth study of practices common to a fine art and an advertising design studio. Students develop advanced layout and computer graphic skills using Adobe InDesign, iMovie, Adobe Photoshop and Adobe Illustrator programs. All students will complete a portfolio of assigned projects which demonstrate a mastery of basic entry skills in one of the following areas: game design, illustration, advertising, marketing, computer graphics and desktop publishing, architectural design, and industrial design using 2D and 3D software. Professionalism is emphasized every day.

Job entry opportunities:
Interior design, Advertising, Product design, Fine art, Fashion design, Transportation design, Furniture design, Cartoon illustration, Landscape design, Movie making, Airbrush, Architecture, Package design, Illustration, Desktop publishing, Art direction.

Career & Work
Readiness KCC ..................... H0012SSP/H3020SP/H9805SP
Grade level 10–12. Student must have an IEP.
Core credits: ½ Language Arts, ½ Social Studies Elective.
May be repeated with instructor’s permission.
The Work Readiness Program is for students with Individual Education Plans (IEP) who are ready to begin the process of transition from school to work. Being “work ready” requires preparation, practice, exploration, and work experience in order to be successful in reaching their employment and vocational goals. Students have an opportunity for a Formal Vocational Assessment to help determine their interests and aptitudes. Students will complete a portfolio with résumé, writing samples, and other documents necessary for job search, training, scholarships and future transition planning.

Students will interview for appropriate placement. This class is designed to develop an Individual Employment Plan, prepare to become competitively employed, or seek and apply for training through college, vocational training, apprenticeship, or on-the-job training programs. Students can achieve basic certifications to help them obtain employment. Examples include but are not limited to: the Municipality of Anchorage Food Workers card, basic safety skills and customer service training. Students will become familiarized with resources and agencies in the community such as DVR and the Alaska Department of Labor and Workforce Development that can assist them toward obtaining independent living skills.

Job entry opportunities.

Entry level positions in many types of businesses.

**Entrepreneurship & Enterprise 1 KCC ............ H8095**

Grade level 11-12. One semester.
Prerequisite: None.
Academic Credit: ½ Economics and ½ Language Arts and 1.0 Elective

**Entrepreneurship & Enterprise 2 KCC ............ H8096**

Grade level 11-12. One semester.
Prerequisite: Grade of “C” or better in Entrepreneurship & Enterprise 1.
Academic Credit: ½ Economics and ½ Language Arts and 1.0 Elective

Students will learn and experience business operations through a hands-on and problem-based curriculum. The focus in the first semester class will be on entrepreneurship; students will work in teams to develop, plan, and sell a product or service at KCC.

Students will learn how fields such as accounting, finance and marketing fit together in a functioning business. Personal ethics, business planning, economics, finance, accounting basics, communications, marketing, corporate responsibility and technical writing will be integrated into the course. By the end of the first quarter, students will liquidate their businesses, and issue an annual report and letter to shareholders. They will also produce balance sheets, cash flow statements and income statements. The class will then plan a new KCC store that will allow students to further refine their skills on a larger scale.

Students will hone their portfolios which will demonstrate proficiency in skills considered essential by the business industry. The Anchorage Chamber of Commerce will issue an “endorsement” to students who have successfully met its portfolio requirement. Students in the second semester will develop a business project. This will focus on project management and facilitation, general business concepts, contracts, technical writing, accounting basics, and project/product presentations. Utilizing industry partners, students will provide real world solutions to business problems.

**Film, Audio & Video Production 1 KCC ............ H8855**

Grade level 11-12. One semester.
Prerequisite: None.
Core academic credit: ½ Language Arts.

**Film, Audio & Video Production 2 KCC ............ H8856**

Grade level 11-12. One semester.
Prerequisite: Grade of “C” or better in Film, Audio & Video Production 1.
Core academic credit: ½ Language Arts.

The Film, Audio & Video Production class offers all the skills and knowledge you need to launch a successful career in film, radio, video or television. Students complete radio, film and video projects while learning to work as part of a production team. The curriculum includes individual and multidisciplinary assignments geared to developing both creative and technical proficiency. Large studios and modern production equipment support these goals, enabling students to produce high-quality work. A comprehensive and balanced approach to study includes opportunities to produce, write, direct, shoot and edit on numerous projects. There’s a strong commitment to postproduction, and students gain practical experience on a variety of video and audio workstations. All classes begin with writing assignments and continue with more writing, reading and oral presentations in front of a camera or microphone.

To earn the ½ credit of language arts students will be expected to do outside reporting, Internet research and writing assignments. Because writing and reading are an integral part of this class, all assignments are directly related to the English Language Arts Common Core State Standards. Students should be prepared to read and write on various technical and related media assignments.

Job entry opportunities:

TV producer & director, camera operator, video editor, special effects designer, tape operator, disc jockey, record producer, recording engineer, sound technician, radio producer, radio board operator, movie production crew member, movie production assistant, screenwriter, camera or sound operator, actor.

**Visual Media and Communications ............ H8513**

Grade Level 11-12. One semester.
Prerequisite: None.
Academic Credit: ½ Language Arts and 1.0 Elective.

Visual Media and Communication is a combined visual arts, digital media, and communication course designed to cohesively integrate content and context across multiple platforms, such as print, web, video, audio, and connective (social) media. Students will focus on communication strategies using original content, branding, storytelling, advertising, digital identity, and more. Students will learn to create a unified visual message for a company or individual that is holistically developed and produced across multiple platforms.
MATHEMATICS

Algebra A ................................................. H1345
Grade level 9–11. Two semesters.
Prerequisite: First semester enrollment requires at least one of the following:
1. A grade of “D” or better in 8th grade math.
2. A grade of “D” or better in Pre-Algebra.
3. Recommendation or approval of student’s most recent math instructor or math department chairperson.

The prerequisite for the second semester of Algebra A is the successful completion of the first semester or consent of instructor or math department chairperson. The student can NOT have earned credit for the first semester of Algebra I, the first semester of Survey of Algebra, or any higher level math class.

This course reviews and extends problem solving, data analysis, the use of technology (i.e., scientific calculator, graphing calculator, computer), the theory, use and understanding of the fundamental operations on real numbers. The course covers work with data, linear equations and functions, graphing linear equations, solving linear equations and inequalities, radicals, connects algebra with geometry and uses algebra in appropriate related applications. This course is the equivalent of the first semester of an Algebra 1 course.

Algebra A Online .................... H1345OLS1/ H1345OLS2
Grade level 9–11. One semester each.
Prerequisite: First semester enrollment requires at least one of the following:
1. A grade of “D” or better in 8th grade math.
2. A grade of “D” or better in Pre-Algebra.
3. Recommendation or approval of student’s most recent math instructor or math department chairperson.

The student can NOT have earned credit for the first semester of Algebra I, the first semester of Survey of Algebra, or any higher level math class. The prerequisite for the second semester of Algebra A is the successful completion of the first semester or consent of instructor or math department chairperson.

This online course reviews and extends problem solving, data analysis, the use of technology (i.e., scientific calculator, graphing calculator, computer), the theory, use and understanding of the fundamental operations on real numbers. The course covers work with data, linear equations and functions, graphing linear equations, solving linear equations and inequalities, radicals, connects algebra with geometry and uses algebra in appropriate related applications. This course is the equivalent of the first semester of an Algebra 1 course.

Algebra A 9–12 ................................. H1345SP
Grade level 9–11. Two semesters.
Prerequisite: IEP

This course reviews and extends problem solving, data analysis, the use of technology (i.e., scientific calculator, graphing calculator, computer) the theory, use and understanding of the fundamental operations on real numbers. The course covers work with data, linear equations and functions, graphing linear equations, solving linear equations and inequalities, radicals, connects algebra with geometry and uses algebra in appropriate related applications. This course is the equivalent of the first semester of an Algebra 1 course. Modified curriculum for Algebra as required by student’s IEP.

Algebra B ................................................. H1347
Grade level 10–12. Two semesters.
Prerequisite: First semester enrollment requires at least one of the following:
1. A grade of “D” or better for second semester of Algebra A.
2. A grade of “D” or better for the first semester of Algebra I.
3. Recommendation or approval of student’s most recent math instructor or math department chairperson.

The prerequisite for the second semester of Algebra B is the successful completion of the first semester or consent of instructor or math department chairperson. The student can NOT have earned credit for the second semester of Algebra I, the second semester of Survey of Algebra, or any higher level math class.

This course reviews and extends problem solving, data analysis, the use of technology (i.e., scientific calculator, graphing calculator, computer), the theory, use and understanding of the fundamental operations on real numbers and linear equations, graphing linear equations in a variety of forms and work with data, equations and functions. The course will cover systems of linear equations, quadratic functions, exponential functions, polynomial functions, rational functions and discrete math using appropriate related applications. This course is the equivalent of the second semester of an Algebra I course.

Algebra B Online .................... H1347OLS1/ H1347OLS2
Grade level 10–12. One semester each.
Prerequisite: First semester enrollment requires at least one of the following:
1. A grade of “D” or better for second semester of Algebra A.
2. A grade of “D” or better for the first semester of Algebra I.
3. Recommendation or approval of student’s most recent math instructor or math department chairperson.

The student can NOT have earned credit for the second semester of Algebra I, the second semester of Survey of Algebra, or any higher level math class. The prerequisite for the second semester of Algebra B is the successful completion of the first semester or consent of instructor or math department chairperson.

This online course reviews and extends problem solving, data analysis, the use of technology (i.e., scientific calculator, graphing calculator, computer), the theory, use and understanding of the fundamental operations on real numbers and linear equations, graphing linear equations in a variety of forms and work with data, equations and functions. The course will cover systems of linear equations, quadratic functions, exponential functions, polynomial functions, rational functions and discrete math using appropriate related applications. This course is the equivalent of the second semester of an Algebra I course.

Algebra B 9–12 ................................. H1347SP
Grade level 10–12. Two semesters.
Prerequisite: IEP

This course reviews and extends problem solving, data analysis, the use of technology (i.e., scientific calculator, graphing calculator, computer) the theory, use and understanding of the fundamental operations on real numbers and linear equations, graphing linear equations in a variety of forms and work with data, equations and functions. The course will cover systems of
linear equations, quadratic functions, exponential functions, polynomial functions, rational functions and discrete math using appropriate related applications. This course is the equivalent of the second semester of an Algebra I course.

Algebra Readiness Online ................ H1344OL
Grade level 9–12. One semester.
Prerequisite: This online course can not be taken by students who have successfully completed Pre-Algebra, Survey of Algebra or Algebra A or B, or Algebra I or any higher level math course.

This online course is designed to prepare students for success in an algebra course. The emphasis will be on continued development of pattern recognition, computational skills, elementary algebra topics, and the use of technology.

Algebra I ..................................... H1352
Grade level 9–12. Two semesters.
Prerequisite: First semester enrollment requires at least one of the following:
1. A grade of “C” or better in 8th grade math.
2. A grade of “C” or better in Pre-Algebra.
3. Recommendation or approval of student’s most recent math instructor or math department chairperson.

The prerequisite for the second semester of Algebra I is the successful completion of the first semester or consent of instructor or math department chairperson. Students who have successfully completed Algebra B or Survey of Algebra can NOT take Algebra I.

The course reviews and extends problem solving, data analysis, the use of technology (i.e., scientific calculator, graphing calculator, computer), the theory, use and understanding of the fundamental operations on real numbers, expressing quantitative statements in the language of algebra, solving equations and inequalities, polynomials, the use of rational expressions in equations, coordinate graphing, irrational numbers, solution of quadratic equations and related applications.

To receive high school credit for this course being taken in Middle School, the student must earn a grade of C or better.

From Credit by Choice, revised 10/6/10.

Algebra I Online ..................... H1352OLS1/ H1352OLS2
Grade level 9–12. One semester each.
Prerequisite: First semester enrollment requires at least one of the following:
1. A grade of “C” or better in 8th grade math.
2. A grade of “C” or better in Pre-Algebra.
3. Recommendation or approval of student’s most recent math instructor or math department chairperson.

The prerequisite for the second semester of Algebra I is the successful completion of the first semester or consent of instructor or math department chairperson. Students who have successfully completed Algebra B or Survey of Algebra can NOT take Algebra I.

This online course reviews and extends problem solving, data analysis, the use of technology (i.e., scientific calculator, graphing calculator, computer), the theory, use and understanding of the fundamental operations on real numbers, expressing quantitative statements in the language of algebra, solving equations and inequalities, polynomials, the use of rational expressions in equations, coordinate graphing, irrational numbers, solution of quadratic equations and related applications.

To receive high school credit for this course being taken in Middle School, the student must earn a grade of C or better.

From Credit by Choice, revised 10/6/10.

Algebra II ..................................... H1377
Grade level 9–12. Two semesters.
Prerequisite: A grade of “C” or better in Algebra I and Geometry or consent of previous mathematics instructor and/or math department chairperson. The prerequisite for the second semester of Algebra II is the successful completion of the first semester or consent of instructor and/or math department chairperson.

This course includes problem solving, data analysis, the use of technology (i.e., graphing calculator, computer), basic operations with polynomials, solving equations and inequalities, sequences and series, relations and functions, systems of equations in two and three variables, understanding and operations with matrices, irrational and complex numbers through the solution of quadratic functions and polynomial functions of higher than first degree, use and evaluation of the Euler number, and an introduction to logarithms.

To receive high school credit for this course being taken in Middle School, the student must earn a grade of C or better.

From Credit by Choice, revised 10/6/10.

Algebra II Online ..................... H1377OLS1/ H1377OLS2
Grade level 9–12. One semester each.
Prerequisite: A grade of “C” or better in Algebra I and Geometry or consent of previous mathematics instructor and/or math department chairperson. The prerequisite for the second semester of Algebra II is the successful completion of the first semester or consent of instructor and/or math department chairperson.

This online course includes problem solving, data analysis, the use of technology (i.e., graphing calculator, computer), basic operations with polynomials, solving equations and inequalities, sequences and series, relations and functions, systems of equations in two and three variables, use of and operations on matrices, irrational and complex numbers through the solution of quadratic functions and polynomial functions of higher than first degree, use and evaluation of the Euler number, and an introduction to logarithms.

Advanced Algebra, Statistics,
Trigonometry ............................... H1660
Grade level 10–12. Two semesters.
Prerequisites: A grade of “C” or better in Algebra II or consent of previous math instructor or math department chairperson. The second semester prerequisite for this course is the successful completion of the first semester or consent of instructor or math dept. chairperson.

This course includes problem solving, data analysis, the use of technology (graphing calculator, computer), transformations of functions and data, power, exponential and logarithmic functions, trigonometric functions, graphs of circular functions, probability and simulation, sequences, series and combinations, polynomial functions, binomial and normal distributions, matrices, and trigonometry.

Advanced Placement Statistics .................. H1701
Grade level 11–12. Two semesters.
Prerequisites: First semester enrollment requires a grade of “B” or better in Algebra II. The prerequisite for the second semester of AP Statistics is the successful completion (“C” or better) of the first semester or the consent of the instructor or math department chairperson.
As with other courses designated with Advanced Placement, this course is introductory college level material. The student is expected to meet this college level workload to be successful. The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students will be expected to be able to use appropriate technology to interpret data and will be expected to be able to communicate their results in an understandable form.

Advanced Placement
Statistics Online .................. H1701OLS1/H1701OLS2
Grade level 11–12. One semester each.
Prerequisite: First semester enrollment requires a grade of “B” or better in Algebra II. The prerequisite for the second semester of AP Statistics is the successful completion (“C” or better) of the first semester or the consent of the instructor or math department chairperson.

As with other courses designated with Advanced Placement, this course is introductory college level material. The student is expected to meet this college level workload to be successful. The purpose of this online course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students will be expected to be able to use appropriate technology to interpret data and will be expected to be able to communicate their results in an understandable form.

Advanced Placement Calculus AB .................. H1706
Grade level 11–12. Two semesters.
Prerequisite: “B” or better in Pre-Calculus and Algebra II or consent of the previous mathematics instructor or math department chairperson.

As with other courses designated with Advanced Placement, this course is introductory college level material. The student is expected to meet this college level workload to be successful. This course includes the study of functions and graphs, derivatives and their application, analytic geometry, limits and continuity and includes the use of current technology.

Advanced Placement Calculus BC .................. H1709
Grade level 11–12. Two semesters.
Prerequisite: “B” or better in AP Calculus AB; a 3 or higher on the AP Calc AB test; or consent of the Calculus BC instructor or math department chairperson.

As with other courses designated with Advanced Placement, this course is introductory college level material. The student is expected to meet this college level workload to be successful. This course includes the study of functions and graphs, derivatives and their application, analytical geometry, limits and continuity, integrals, parametric equations, polar functions and vector analysis. Additional techniques and applications for differentiation and integration will be developed. Polynomial approximations will be explored through the Maclaurin and Taylor Series. Convergence and divergence of sequences and series will be investigated. Appropriate technology will be incorporated throughout the course.

AP Calculus BC Online .................. H1709OLS1/H1709OLS2
Grade level 11–12. One semester each.
Prerequisite: “B” or better in AP Calculus AB; a 3 or higher on the AP Calc AB test; or consent of the Calculus BC instructor or math department chairperson.

As with other courses designated with Advanced Placement, this online course is introductory college level material. The student is expected to meet this college level workload to be successful. This course includes the study of functions and graphs, derivatives and their application, analytical geometry, limits and continuity, integrals, parametric equations, polar functions and vector analysis. Additional techniques and applications for differentiation and integration will be developed. Polynomial approximations will be explored through the Maclaurin and Taylor Series. Convergence and divergence of sequences and series will be investigated. Appropriate technology will be incorporated throughout the course.

Advanced Placement Calculus C .................. H1708
Grade level 11–12. One semester.
Prerequisite: AP Calculus AB or simultaneous enrollment in second semester AP Calculus AB with a grade of A or B, or consent of Calculus C instructor.

As with other courses designated with Advanced Placement, this course is introductory college level material. The student is expected to meet this college level workload to be successful. This course is designed to enhance a student’s understanding of functions, graphs, limits, derivatives and integrals by including the study of parametric equation, polar functions and vector analysis. Additional techniques and applications for differentiation and integration will be developed. Polynomial approximations will be explored through the Maclaurin and Taylor Series. Convergence and divergence of sequences and series will be determined using geometric series and harmonic series, alternating series, p-series, the integral test and the ratio test. Appropriate technology will be incorporated throughout the course.

Analyzing and Displaying Data ..................... H1680
Grade level 11–12. One semester.
Prerequisites: The successful completion of both semesters of Algebra B, Algebra I or Survey of Algebra and both semesters of a Geometry course or consent of math department chairperson. The student can NOT have received a “C” or better in Algebra II or any higher level math course.

In this course, the student will generate and use data sets to communicate information, to analyze and communicate the meaning of data sets and use statistical methods to test conjectures. Problem solving and technology (graphing calculator and computer) will be incorporated and probability will spiral throughout the course. Students will design and conduct a study,
gather the data, analyze the results and make a presentation incorporating technology.

**Basic Math Skills 9–12.**

*H1021SP*

Grade level 9–12. Two semesters.

**Prerequisite:** IEP

This course is designed for the student who needs individualized concentrated work in specific math skills as determined by the IEP. Assessments will be administered to determine the deficient skill area or areas. The course content will be determined by the teacher for each individual student and will be based on the deficient areas. Modified curriculum for Basic Math, as required by students’ IEP. This course is repeatable.

**Basic Math Skills.**

*H1021*

Grade level 9–12. Two semesters.

**Prerequisite:** This course can NOT be taken by any student who has successfully completed Pre-Algebra with a “C” or better or any higher math course; or consent of math department chairperson.

This course is designed for the student who needs remedial work in basic math skills. This course covers addition, subtraction, multiplication and division of whole numbers, fractions and decimals, estimation, percents, solution of word problems and calculator applications.

**Geometry.**

*H1502*

Grade level 9–12. Two semesters.

**Prerequisite:** A grade of “C” or better in Algebra I or consent of previous mathematics instructor or math department chairperson.

The prerequisite for the second semester of Geometry is the successful completion of the first semester or consent of instructor or math department chairperson.

This course covers the study of plane and three dimensional geometry with emphasis on clarity and precision of language as well as the logical development of geometric principles in deductive reasoning and proof. Additionally, students work with points, lines, planes, angles, congruent triangles, circles, polygons, and transformations.

To receive high school credit for this course being taken in Middle School, the student must earn a grade of C or better.

From Credit by Choice, revised 10/6/10.

**Geometry Online.**

*H1502OLS1/H1502OLS2*

Grade level 9–12. One semester each.

**Prerequisite:** A grade of “C” or better in Algebra I or consent of previous mathematics instructor or math department chairperson.

The prerequisite for the second semester of Geometry is the successful completion of the first semester or consent of instructor or math department chairperson.

This online course covers the study of plane and three dimensional geometry with emphasis on clarity and precision of language as well as the logical development of geometric principles in deductive reasoning and proof. Additionally, students work with points, lines, planes, angles, congruent triangles, circles, polygons, and transformations.

**Informal Geometry.**

*H1504*

Grade level 10–12. Two semesters.

**Prerequisites:** Successful completion of Survey of Algebra or Algebra A/B or minimal competency in Algebra I (credit earned) and consent of previous mathematics instructor or math department chairperson. This course can NOT be taken by anyone who has earned credit for Geometry or any higher level math course. The prerequisite for the second semester of Informal Geometry is the successful completion of the first semester or consent of instructor or math department chairperson.

This course emphasizes concrete experiences and applications and an inductive/intuitive approach to develop geometric concepts. Priority is on proper vocabulary for the logical unraveling of developmental principles. Topics include classifications of, properties of, and relationships between geometric objects. These objects include points, lines, planes, angles, similar and congruent triangles, circles, polygons, and polyhedrons. Manual and computer-based measurement, transformations, and constructions of these objects is also included.

**Informal Geometry 9–12.**

*H1504SP*

Grade level 10–12. Two semesters.

**Prerequisite:** IEP

This course uses an inductive/intuitive approach to developing geometric concepts with emphasis on concrete experiences and applications. The proper vocabulary for the logical procedure of developmental principles will be stressed. Topics will include classifications of, properties of and relationships between points, lines, planes, angles, similar and congruent triangles, circles, polygons and polyhedrons; measurement; transformations and constructions.

**Integrated Math.**

*H1360*

Grade level 11–12. Two semesters.

**Prerequisites:** The student must have satisfied the Algebra requirement and passed a Geometry course or consent of the math department chairperson. The student can NOT have earned any credit for second semester Algebra II or any higher level math course.

This course will integrate Algebra 1 and Geometry topics and present them in the context of applications. It will also include probability, statistics, logical reasoning and discrete math. It is recommended for students with some algebra and geometry credit, who wish to strengthen and improve their math knowledge in these areas and apply it to career situations.

**Math 9–12 AC 1.**

*H1170LS1*

Grade level 9–12. Two semesters.

**Prerequisite:** IEP.

This course covers addition, subtraction, multiplication and division of whole numbers, fractions and decimals, estimation, percents, solution of word problems and calculator applications that apply to everyday living skills. This is an alternate math curriculum for students enrolled in a Life Skills 1 class who are non-diploma track on Alternate Assessment as required by their IEP. This course is repeatable.

**Math 9–12 AC 2.**

*H1170LS2*

Grade level 9–12. Two semesters.

**Prerequisite:** IEP.

This course covers addition, subtraction, multiplication and division of whole numbers, fractions and decimals, estimation, percents, solution of word problems and calculator applications that apply to everyday living skills. This is an alternate curriculum for students enrolled in a Life Skills 2 class who are non-diploma track on Alternate Assessment as required by their IEP.
Math Skills Workshop ......................... H1045
Grade level 10–12. One semester.
Prerequisite: Consent of previous instructor or math department chairperson.

This course is designed for the student who needs individualized concentrated work in specific math skills. A diagnostic test will be administered to determine the deficient skill area or areas. The course content will be determined by the teacher for each individual student and will be based on the deficient areas.

Pre-Algebra .......................... H1031
Grade level 9–12. Two semesters.
Prerequisite: A knowledge of the basic computational skills. This course can NOT be taken by students who have successfully completed Survey of Algebra or Algebra A or B, or Algebra I or any higher level math course. The prerequisite for the second semester of Pre-Algebra is successful completion of the first semester or consent of instructor or math department chairperson.

This course is designed for students for success in an algebra course. The emphasis will be on continued development of pattern recognition, computational skills, elementary algebra topics, geometric relationships, problems solving and the use of technology.

Pre-Algebra 9–12 .................. H1030SP
Grade level 9–12. Two semesters.
Prerequisite: IEP.

This course is designed to prepare students for success in an algebra course. The emphasis will be on continued development of pattern recognition, computational skills, elementary algebra topics, geometric relationships, problems solving and the use of technology. Modified curriculum for Pre-Algebra, as required by students’ IEP.

Pre-Calculus with Trigonometry ............... H1662
Grade level 10–12. Two semesters.
Prerequisites: A grade of “B” or better in Geometry and Algebra II or permission of previous mathematics instructor or math department chairperson. The prerequisite for the second semester of Pre-Calculus with Trig is the successful completion of the first semester or consent of instructor or math department chairperson.

This course covers logarithmic and exponential functions, analytic geometry, introduction to limits and the derivative, sequences and series, circular and trigonometric functions, graphs, laws, identities, inverses and their applications, vectors and complex numbers. The emphasis of this course is on the concepts that build toward understanding calculus. It follows an applications approach and uses graphing calculators and other appropriate technology.

Pre-Calculus with Trigonometry Online ............. H1662OLS1/ H1662OLS2
Grade level 10–12. One semester each.
Prerequisite: A grade of “B” or better in Geometry and Algebra II or permission of previous mathematics instructor or math department chairperson. The prerequisite for the second semester of Pre-Calculus with Trig is the successful completion of the first semester or consent of instructor or math department chairperson.

This online course covers logarithmic and exponential functions, analytic geometry, introduction to limits and the derivative, sequences and series, circular and trigonometric functions, graphs, laws, identities, inverses and their applications, vectors and complex numbers. The emphasis of this course is on the concepts that build toward understanding calculus. It follows an applications approach and uses graphing calculators and other appropriate technology.

Survey of Algebra ............................... H1326
Grade level 10–12. Two semesters.
Prerequisite: Successful completion of Pre-Algebra or consent of previous mathematics instructor or math department chairperson. This course can NOT be taken by a student who has successfully completed Algebra I, Algebra B or any higher level math course.

The prerequisite for the second semester of Survey of Algebra is the successful completion (grade of “C” or better) of the first semester or consent of math department chairperson.

This course provides an introduction to uses and applications of algebraic concepts including the solution of linear equation, inequalities and formulas, graphing linear equations and inequalities and the solution of word problems. This course is designed for the student who will need to apply algebraic concepts in vocational/career areas, vocational courses, and/or King Career Center courses.

Survey of Algebra 9–12 .................. H1326SP
Grade level 10–12. Two semesters.
Prerequisite: IEP.

This course provides an introduction to uses and applications of algebraic concepts including the solution of linear equation, inequalities and formulas, graphing linear equations and inequalities and the solution of word problems. This course is designed for the student who will need to apply algebraic concepts in vocational/career areas, vocational courses, and/or King Career Center courses. Modified curriculum for Survey of Algebra, as required by students’ IEP.

King Career Center academic credit
Aviation Maintenance Technology 1 KCC ............ H8401
Grade Level 11–12. One semester.
Prerequisite: None
Core academic credits: ½ Math and ½ Physical Science per semester.

Aviation Maintenance Technology 2 KCC ............ H8402
Prerequisite: Grade of “C” or better in Aviation Maintenance Technology 1.
Core academic credits: ½ Math and ½ Physical science.

This is a 4-semester program taught at the University of Alaska Aviation Complex at Merrill Field. Different subject matter is covered each semester. Students can earn college credits.

AMT students learn repair and maintenance of aircraft in 4 subject areas: welding, bonded structures, sheet metal and engine theory. Additionally, students will learn about aircraft hardware and lock wire as well as basic aerodynamics or how aircraft fly. Students must purchase leather gloves for welding class. All other supplied safety equipment use is mandatory.

Job entry opportunities:
Entry level line attendant, baggage handler, mechanics helper
Carpentry 1 KCC ........................................ H8418
Grade level 11–12. One semester.
Prerequisite: None.
Academic Credit: ½ Math and 1.0 Elective.
Apprenticeship Program
Carpentry has an industry advisory board to keep the program relevant to industry standards. First semester students’ practical training is accomplished through the construction of a storage shed using residential construction methods, the latest in equipment, materials, and practices used in the construction industry.
Second and third semester students will work on major projects, such as a relocatable classroom, which includes professionally drawn blueprints, building permits, Municipality of Anchorage building inspection adhering to building codes. Students will learn the latest methods in cold weather construction practices. After three semester students can earn up to 493 contract hours which can be applied toward journeyman carpenter after one year in the union training program.
In addition students can participate after-hours in SkillsUSA, a program that is a statewide carpentry and cabinet making competition, and can lead to a national competition.

Computer Electronics Technology 1 KCC ........ H8245
Grade level 11–12. One semester.
Prerequisite: Algebra I with a grade of “C” or better.
Core academic credits: ½ Math and ½ Physical Science

Computer Electronics Technology 2 KCC ........ H8246
Grade level 11-12. One semester.
Prerequisite: Grade of “C” or better in Computer Electronics Technology 1.
Core academic credits: ½ Math and ½ Physical science.
This course integrates hands-on activities with math and interactive computer programs to emphasize basic electronics theory and application. Students can earn college credits and electronics certifications that may be given upon successful course completion and students may enjoy advanced standing at other post-secondary institutions.
Each semester the subject matter is different and cumulative. Electronics & Telecommunications 1 and 2 can be used for science, math, and elective credit.
1st semester: Personnel skills to include careers, business ethics, and dealing with customers. Basic D.C. electricity which includes safety, soldering, schematics, series & parallel circuits, tools, components, cabling and test equipment.
2nd semester: Complex D.C. circuits, digital electronics, intro to A.C., wireless communication and fiber optics.
Job entry opportunities:
• Cable/satellite TV installer, computer & electronics sales, personal computer setup and repair, network troubleshooting, electrical apprenticeship, home security/theatre, customer service technician, fiber optic technician.

Construction Electricity 1 KCC .................. H8430
Grade level 11–12. One semester.
Prerequisite: Successful completion of Algebra I recommended.
Core academic credits: ½ Math per semester.

Construction Electricity 2 KCC .................. H8431
Grade level 11-12. One semester.
Prerequisite: Grade of “C” or better in Construction Electricity 1.
Core academic credit: ½ Math.

Computer Information Technology 1 KCC ........ H8541
Grade level 11–12. One semester.
Prerequisite: Good math skills necessary.
Core academic credits: ½ Math.

Computer Information Technology 2 KCC ........ H8542
Grade level 11–12. One semester.
Prerequisite: Grade of “C” or better in Computer Information Technology 1.
Core academic credit: ½ Math.

The Computer Information Technology program gives students the opportunity to develop a broad range of computer skills. The first semester program provides an integrated approach to attainment of the nationally recognized certification known as A+ Certification which incorporates maintaining, troubleshooting and repairing computer hardware and software.
Second semester students will explore various hardware and software topics such as Net+ Certification (a nationally recognized certification in networking fundamentals) and beginning programming. Independent studies can be explored with instructor’s approval. Second semester students should be able to work independently and be self-motivated to achieve their course goals.
Computer Information Technology has a Tech Prep agreement with UAA for students to earn college credits.
Job entry opportunities:
• Help desk support specialist, computer installer and builder, computer repair specialist, network administrator assistant, web designer.

The Construction Electricity program provides in-depth instruction in the theories and principles of electricity. Principles of operation for electrical devices and equipment, and correct and safe operation of tools are covered. The student will learn to interpret and apply the requirements of the National Electrical Code for designing electrical layouts, installation methods, and the maintenance, troubleshooting, and repair of electrical circuits and equipment.
During two semesters of study, students will receive instruction and hands-on training in the laboratory for the following areas of specialization:
• Residential wiring
• Magnetic motor & circuit control
• Raceway systems
• Programmable logic controllers (plcs)
• Lighting systems
• Industrial/commercial wiring
• Alarm systems
• Single & 3-phase electrical power systems
• 1 amp & 3 amp motors
• Photovoltaic installation design, installation, and maintenance
Application of classroom theory is the emphasis of the lab work. Students assist in the design and installation of projects on and off campus. Approximately one-third of lab time is spent on actual work sites. Students will create completely operational
projects in the lab using PLCs, motor controls, lighting and power circuits, and process controls.

**PHYSICAL EDUCATION/HEALTH**

**Aerobics** ................................................. H6655
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.

This course is designed to introduce students to a variety of aerobic activities. Aerobic activity is vigorous, oxygenated large muscle exercise which stimulates heart and lung activity for a specific period of time while engaging body core stability. As a result, beneficial changes in the cardiorespiratory system are seen as well as the individual feels energized. In addition, basic choreography, music selection and effective group management skills will be taught. This course will provide students with the opportunity to increase their individual level of physical fitness, acquire knowledge of related fitness concepts and demonstrate an understanding of how a wellness lifestyle affects one’s health, fitness and physical performance. Repeatable unlimited times.

**Adventure 101** ............................................ H6306
Grade level 9–12 Semester
Prerequisite: None

Students enrolled in this course will have the opportunity to receive instruction in the technical skills of indoor rock climbing, challenge courses, belaying and knot tying. In addition, students will be able to develop the concepts of challenge-by-choice, cooperation vs. competition, circle-of-comfort, trust, critical thinking, problem solving and responsibility. In order to successfully attempt the physical challenges of the course, students will be expected to maintain a proficient level of physical fitness. The class will include opportunities to develop agility, muscular and cardiovascular strength, endurance and flexibility. Repeatable unlimited times.

**Badminton** ................................................. H6620
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.

The purpose of this course is to introduce students to the basic skills and knowledge associated with badminton. By applying these principles through active participation, students develop the necessary skills and knowledge to pursue badminton as a lifetime activity. In addition, this course provides students with opportunities to improve physical fitness, acquire knowledge of fitness concepts and practice positive personal and social skills. Students will gain an understanding of how a wellness lifestyle affects one’s health, fitness and physical performance. Repeatable unlimited times.

**Basketball** ............................................... H6309
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Team activity.

The purpose of this course is to introduce students to the basic skills and knowledge associated with basketball. By applying these principles through active participation, students develop the necessary skills and knowledge to play basketball. In addition, this course provides students with opportunities to improve physical fitness, acquire knowledge of fitness concepts and practice positive personal and social skills. Students will gain an understanding of how a wellness lifestyle affects one’s health, fitness and physical performance. Repeatable unlimited times.

**Cross-Training** ........................................... H6760
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.

This course is designed to introduce students to cross-training. Cross-training utilizes a variety of activities which involve varying muscles, intensity and impact on different days. Students will participate in at least two different aerobic activities and at least one strength training and/or muscular endurance activity weekly which utilizes body core stability. Students will acquire knowledge needed to develop a lifetime fitness plan, as well as an appreciation of how it feels to be physically fit. Repeatable unlimited times.

**Dance—Introductory** ................................. H6650
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.

This course is designed as an introduction to movement, dance elements and the creative aspects of dance. Students explore various styles of dance through a unit approach and collaborate on a variety of student choreography projects. The development of muscular strength, flexibility, agility, balance, body alignment and an understanding of rhythm are approached through combined warm-up and dance technique segments. In addition, students study health-related fitness concepts and basic nutrition principles as they relate to dance. Repeatable unlimited times.

**Dance—Intermediate** ................................. H6652
Grade level 9–12. Quarter/Semester.
Prerequisite: Dance—Introductory. Lifetime Activity Course.

Intermediate dance enhances the skills and concepts introduced in Introductory Dance. Students are challenged to improve their existing dance skills in various styles of dance including jazz, ballet, modern and improvisational dance. Warm-up exercises continue to promote muscular strength, flexibility, agility and balance while placing greater emphasis on correct body alignment and dance technique. Students often work with guest artists in addition to creating and performing their own choreography. Students continue their study of health-related fitness concepts and basic nutrition principles as they relate to dance. Repeatable unlimited times.

**Dance—Multicultural** ............................... H6653
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.

This course allows students to explore and share their cultural backgrounds as they are introduced to the traditional dances of many lands. The development of strength, flexibility, agility, balance, body alignment and an understanding of rhythm are approached through combined warm-up and dance technique segments. Community resource people and guest artists are utilized frequently to enhance understanding of the cultural significance of various dances. In addition, students study health-related

NCAA approved course list can be found at: www.asdk12.org/NCAA

APS eligible course list can be found at: www.asdk12.org/APS
fitness concepts and basic nutrition principles as they relate to
dance. Repeatable unlimited times.

Dance—Contemporary Dance, Repertory . . . . H6651
Grade level 9–12. Quarter/Semester.
Prerequisite: Audition or Instructor Approval. Lifetime Activity
Course.

This course is open to students who have mastered basic dance
skills and have an interest in dance performance. Students will
learn more difficult dance techniques and choreography with
performance as a focus. In addition to experimenting with their
own choreography, students will work with a variety of guest
artists to create a performance repertory which includes various
dance styles. The culmination of this course will be a full-length
dance concert. Students will be involved in all phases of concert
production. Numerous rehearsals and performances outside of
class time are part of course work and are required. Repeatable
unlimited times.

Dance Production . . . . . . . . . . . . . H6649S
Grade level 9–12. Two semesters.
Prerequisite: Director’s approval.

In this course students will be introduced to the study of
Dance Production which involves all aspects of producing a per-
formance. It includes learning about and performing the duties
of the positions in a professional dance company when creating
a performance. These positions include: choreographer, dancer,
styles. The culmination of this course will be a full-length
class time are part of course work and are required. Repeatable
up to 8 times.

Dance Production—Contemporary Dance, Repertory . . . . . H6651
Grade level 9–12. Quarter/Semester.
Prerequisite: Director’s approval.

In this course students will be introduced to the study of
Dance Production which involves all aspects of producing a per-
formance. It includes learning about and performing the duties
of the positions in a professional dance company when creating
a performance. These positions include: choreographer, dancer,
structure and property designer/constructor, marketer, music
creator/editor, and photographer/videographer. The class is proj-
exture oriented and will include course work outside of class time.
Student rehearsals will also occur outside class time. Repeatable
up to 8 times.

Essentials of Athletic Injury Management – SC . . . H6751
Grade level 12. (11 with instructor approval) One semester.
Prerequisite: Biology & Anatomy and Physiology Life science or
elective science
NOTE: This class must be taught in collaboration with a local
physical therapy/athletic training office therefore it may not be
offered at all schools. This course MUST be taught by a science
teacher.

Tech Prep UAA

This course introduces students to the profession of
athletic training and related health careers.
Principles of fitness conditioning and nutrition for safe and
healthy participation in sports will provide a basis for examining
proper body mechanics and the faulty mechanics and practices
that lead to injury. A study of common athletic injuries and appli-
cation of appropriate first aid and CPR procedures are central to a
broad range of injury prevention, treatment and risk management framework
applicable to a variety of activity settings.

First Aid . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . H6007
Grade level 9–12. One semester.
Prerequisite: None. Lifetime Activity Course. Not repeatable for
students who received passing grade.

This course is designed to prepare students to assist themselves
and others, in case of injury or sudden illness, when medical and
hospital services are limited or delayed. Emphasis will also be
placed on safety awareness in the home, school, community and

First Aid 9–12 . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . H6007SP
Grade level 9–12 One semester.
Prerequisite: IEP. Lifetime Activity Course. Not repeatable for
students who received passing grade.

This course is designed to prepare students to assist others
in case of sudden illness, when medical and hospital services are limited or delayed. Emphasis will also be
placed on safety awareness in the home, school, community and

Healthy Life Skills 9–12 . . . . . . . . . . . . . . . . . . . . . H6052SP
Grade level 9–12. One semester.
Prerequisite: IEP. Lifetime Activity Course.

This course is designed to help students develop healthy habits
and positive behavior patterns. Students are provided with the
knowledge of skills that lead to responsible decision making for
a safe and healthy lifestyle. Topics covered includes nutrition,
fitness, substance abuse, sexuality education and stress manage-
ment. Modified curriculum for Healthy Life Skills, as required by
students’ IEP.
This course is designed to help students develop healthy habits and positive behavior patterns. Students are provided with the knowledge of skills that lead to responsible decision making for a safe and healthy lifestyle. Topics covered includes nutrition, fitness, substance abuse, sexuality education and independent living skills. Alternate curriculum will be used for students enrolled in a Life Skills 1 class as required by their IEP. Repeat-able unlimited times.

Health 9–12 AC 2 .......................... H6002LS2
Grade level 9–12. One semester.
Prerequisite: IEP. Lifetime Activity Course.
This course is designed to help students develop healthy habits and positive behavior patterns. Students are provided with the knowledge of skills that lead to responsible decision making for a safe and healthy lifestyle. Topics covered includes nutrition, fitness, substance abuse, sexuality education and independent living skills. Alternate curriculum for students enrolled in a Life Skills 2 class as required by their IEP. Repeat-able unlimited times.

Health Opportunities through
Physical Education (HOPE) Online ........ H6110OL
Grade level 9-12. One semester.
Prerequisite: None. Lifetime Activity Course.
Not repeatable for students who received a passing grade.
This online course will challenge students to become educated consumers, learn to manage stress, choose nutritious foods, make healthy lifestyle choices, be an effective member of a team and influence others in their community in a positive way. Students will have the opportunity to experience the many benefits of regular physical activity, proper nutrition, and sound decision-making. Topics covered include wellness, mental health, media literacy/consumer health, fitness components, nutrition, disease prevention, drug awareness, sexuality education, CPR, and decision-making skills.

Healthy Relationships/Sexuality Education ....... H6770
Grade Level 11–12 Semester
Prerequisite: Parent Permission Required
This course provides information about relationships and sexuality, examines various attitudes and influences on relationships and sexuality, helps students build interpersonal and relationships skills and teaches responsibility for health and healthy decision-making. NOT repeatable for credit.

IMPACT ................................. H9944
Grade level 10-12
One semester (cannot be repeated)
Prerequisite: none
IMPACT (Individuals Making Positive Action Choices Today) empowers students to understand their behaviors and lifestyle choices. Through collaboration and community building, students learn about the social, emotional, and physical aspects of their lives. IMPACT addresses the questions, “Who am I? Where do I belong? What influences me? What do I contribute?” Students will explore healthy life choices and the influence of media; develop leadership and peer education skills; and participate in experiential learning activities (the physical PE component). Active participation and attendance are an integral part of the collaborative learning process.

Individual Recreational Activities .............. H6666
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.
This course will offer students a variety of recreational activities in which they can participate on an individual basis and learn skills applicable for a lifetime. Activities may include, but are not limited to, in-line skating, cross-country skiing, snowshoeing, frisbee, power walking, ice skating, jogging, orienteering and biking. Safety equipment as well as equipment appropriate for each activity will be required and must be furnished by each student. Repeat-able unlimited times.

Individual Recreational Activities Online ...... H6666OL
Grade level 9–12. One semester.
Prerequisite: None. Lifetime Activity Course.
This online course will offer students a variety of recreational activities in which they can participate on an individual basis and learn skills applicable for a lifetime. Activities may include, but are not limited to, in-line skating, cross-country skiing, snowshoeing, frisbee, power walking, ice skating, jogging, orienteering and biking. Safety equipment as well as equipment appropriate for each activity will be required and must be furnished by each student. Repeat-able unlimited times.

Lifetime Personal Fitness ..................... H6380
Grade level 9–12. One semester. Required.
Prerequisite: None.
Repeatable unlimited times.
The purpose of this course is to promote the development and maintenance of personal fitness. It is conceptually based and focuses on healthy living and lifestyle choices, with particular emphasis on the role of exercise and physical activity including nontraditional and noncompetitive activities. Course content includes fitness assessment, regular physical activity, laboratory sessions based on fitness concepts and lectures based on the value and benefits of exercise in daily living. In addition to setting and working toward personal fitness goals, students have opportunities to practice positive social skills as they gain an understanding of how a wellness lifestyle affects the quality of life.

Lifetime Personal Fitness Online ............ H6380OL
Grade level 9–12. One semester.
Prerequisite: None.
Repeatable unlimited times.
The purpose of this online course is to promote the development and maintenance of personal fitness. It is conceptually based and focuses on healthy living and lifestyle choices, with particular emphasis on the role of exercise and physical activity including nontraditional and noncompetitive activities. Course content includes fitness assessment, regular physical activity, and fitness concepts and lectures based on the value and benefits of exercise in daily living. In addition to setting and working toward personal fitness goals, students have opportunities to practice positive social skills as they gain an understanding of how a wellness lifestyle affects the quality of life.
Grade level 9–12. One semester. Required.
Prerequisite: IEP

The purpose of this course is to promote the development and maintenance of personal fitness. This course focuses on healthy living and lifestyle choices, with particular emphasis on the role of exercise and physical activity including nontraditional and noncompetitive activities. Course content includes fitness assessment, regular physical activity, laboratory sessions based on fitness concepts and lectures based on the value and benefits of exercise in daily living. In addition to setting and working toward personal fitness goals, students have opportunities to practice positive social skills as they gain an understanding of how a wellness lifestyle affects the quality of life. Alternate curriculum for students enrolled is Life Skills as required by their IEP.

**Native Games** .......................... H6657
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.

The purpose of this course is to promote the cultural tradition of Alaska Native Youth Olympic events as well as other Native games. In addition to participation in a variety of Native games, this course provides students with opportunities to improve physical fitness, acquire knowledge of fitness concepts and practice positive personal and social skills. Students will gain an understanding of how a wellness lifestyle affects one’s health, fitness and physical performance. Repeatable unlimited times.

**9th Grade Physical Education** ........... H7046Q/H7046S
Grade level 9. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.

This is a year-long course divided into four quarter classes. The courses will include a team activity, individual/dual activity, aquatics and weight training. The course descriptions for each class will be the same as listed for each individual course.

**Peer Tutor/Fitness Special Populations** ........ H6305
Grade level 9–12. One semester.
Prerequisite: Approval of APE specialist on site. Lifetime Activity Course.

This course is designed to provide students with an opportunity to acquire experience with persons with disabilities within the exercise arena. Students in this course will facilitate the inclusion of students with disabilities in physical education classes. This course will include an orientation and structure for peer tutoring.

**Physical Education 9–12** .................. H6304SP
Grade level 9–12. One semester.
Prerequisite: IEP. Credit for Lifetime Personal Fitness or PE credit.

This is a year-long course divided into four quarter classes. The courses will include a team activity, individual/dual activity, aquatics and weight training. The course descriptions for each class will be the same as listed for each individual course. Modified curriculum for Physical Education, as required by students’ IEP. Repeatable unlimited times.

**Physical Education 9–12 AC** ............. H6304LS1
Grade level 9–12. One semester.
Prerequisite: IEP. Credit for Lifetime Personal Fitness or PE credit.

This is a year-long course divided into four quarter classes. The courses will include a team activity, individual/dual activity, aquatics and weight training. The course descriptions for each class will be the same as listed for each individual course. Alternate curriculum for students enrolled in a Life Skills 1 as required by students’ IEP. Repeatable unlimited times.

**Physical Education 9–12 AC 2** .......... H6304LS2
Grade level 9–12. One semester.
Prerequisite: IEP. Credit for Lifetime Personal Fitness or PE credit.

This is a year-long course divided into four quarter classes. The courses will include a team activity, individual/dual activity, aquatics and weight training. The course descriptions for each class will be the same as listed for each individual course. Alternate curriculum for students enrolled in a Life Skills 2 class as required by students’ IEP. Repeatable unlimited times.

**Pursuing Wellness** ........................ H6052
Grade level 10–12. One semester.
Prerequisite: None. Lifetime Activity Course. Not repeatable for students who received passing grade.

This course is designed to help students develop healthy habits and positive behavior patterns. Students are provided with the knowledge of skills that lead to responsible decision making for a safe and healthy lifestyle. Topics covered include nutrition, fitness, substance abuse prevention, sexuality education, and social and emotional health.

**Racquet Sports** ........................... H6734
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.

The purpose of this course is to introduce students to the basic skills and knowledge associated with playing racquet sports such as tennis, badminton, table tennis, handball, pickle ball, etc. The ultimate goal of this class is to provide the students with the knowledge and skills necessary for them to pursue playing racquet sports as a life-long activity. This course will provide students with opportunities to develop a satisfactory individual level of physical fitness, acquire knowledge of fitness concepts and demonstrate an understanding of how a wellness lifestyle affects one’s health, fitness and physical performance. This course will provide an environment for all students to practice positive personal and social skills. Repeatable unlimited times.
Recreational Games.......................... H6665
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Team activity.

The purpose of this course is to offer a variety of activities to
the student who enjoys the fun of games. The games will be recrea-
tional in nature. These activities may include: speedball, ultimate
frisbee, floor hockey and non-contact lacrosse. Each activity will
be a maximum of two weeks in length. In addition, this course
will provide opportunities to improve physical fitness, acquire
knowledge of fitness concepts, practice positive personal and
social skills and gain an understanding of how a wellness lifestyle
affects one’s health, fitness and physical performance. Repeatable
unlimited times.

Rugby ........................................ H6370
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Team activity.

The purpose of this course is to introduce basic skills and
knowledge associated with playing rugby and to apply these skills
through active participation. This class provides students with
basic understanding and concepts for spectator appreciation as
well as active play. This course will provide students the opportu-
nity to improve physical fitness, acquire knowledge of fitness con-
cepts, practice positive personal and social skills and understand
the importance of fitness. Repeatable unlimited times.

Running, Cross-Country ....................... H6340
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.

This course is designed to enhance the development of cardio-
respiratory endurance. The primary class activity will involve run-
ing. This class will meet the needs of all students and progressive
workouts will begin at low levels of fitness. In addition, this
course will provide students with opportunity to increase their
individual level of physical fitness, acquire knowledge of a fitness
component and demonstrate an understanding of how a wellness
lifestyle affects one’s health, fitness and physical performance.
Repeatable unlimited times.

Skating/Hockey ............................... H6675
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.

This course will emphasize the acquisition of basic ice skating
skills and the knowledge of incorporating these skills into drills,
routines and game situations. This class will emphasize individual
improvement, as well as safety. Students must provide their own
skates. Other safety equipment may be required. This course will
provide students with the opportunity to improve their individual
level of physical fitness, acquire knowledge of fitness concepts
and demonstrate an understanding of how a wellness lifestyle
affects one’s health, fitness and physical performance. Students
will have the opportunity to practice positive personal and social
skills. Studies required to provide their own skates. Repeatable
unlimited times.

Skiing, Cross-Country ........................ H6690
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.

The purpose of this course is to introduce students to basic
skills and knowledge associated with cross-country skiing. By
applying these principles through active participation, students
develop the necessary skills and knowledge to pursue cross-coun-
try skiing as a lifetime activity. The course will provide students
with the opportunity to improve their individual level of physi-
cal fitness, acquire knowledge of all fitness components and
demonstrate an understanding of how a wellness lifestyle affects
one’s health, fitness and physical performance. Students will have
the opportunity to practice positive personal and social skills.
Repeatable unlimited times.

Soccer ............................................ H6389
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Team activity.

The purpose of this course is to introduce students to basic
skills and knowledge associated with soccer. By applying these
principles through active participation, students develop the
necessary skills and knowledge to play soccer. In addition, this
course provides students with opportunities to improve physical
fitness, acquire knowledge of fitness concepts and practice posi-
tive personal and social skills. Students will gain an understand-
ing of how a wellness lifestyle affects one’s health, fitness and physical
performance. Repeatable unlimited times.

Softball .......................................... H6410
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Team activity.

The purpose of this course is to introduce students to basic
skills and knowledge associated with softball. By applying these
principles through active participation, students develop the
necessary skills and knowledge to play softball. In addition, this
course provides students with opportunities to improve physical
fitness, acquire knowledge of fitness concepts and practice posi-
tive personal and social skills. Students will gain an understand-
ing of how a wellness lifestyle affects one’s health, fitness and physical
performance. Repeatable unlimited times.

Team Sports .................................... H6021
Grade level: 9-12. Semester.
Prerequisite: None. Team activity.

The purpose of this course is to offer a variety of team sports to
the student who enjoys goal setting, decision making, interacting
with others directly and simultaneously to achieve an objective.
These sports may include: basketball, volleyball, soccer, flag foot-
ball and softball. Each sport will be a maximum of two weeks in
length. In addition, this course will provide opportunities to improve
physical fitness, acquire knowledge of fitness concepts, practice positive personal and social skills and gain an under-
standing of how a wellness lifestyle affects one’s health, fitness and physical performance. Repeatable unlimited times.

Tennis ............................................. H6735
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.

The purpose of this course is to introduce students to basic
skills and knowledge associated with playing tennis. By applying
these principles through active participation, students develop the
necessary skills and knowledge to pursue playing tennis as a life-
time activity. The course will provide students the opportunity to
increase their individual level of physical fitness, acquire knowledge of all fitness components and demonstrate an understanding of how a wellness lifestyle affects one’s health, fitness and physical performance. Students will have the opportunity to practice positive personal and social skills. Repeatable unlimited times.

**Tennis—Table** .................................................. H6720
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.

The purpose of this course is to introduce students to basic skills and knowledge associated with the game of table tennis. By applying these principles through active participation, students develop the necessary skills and knowledge to pursue the game of table tennis as a lifetime activity. The course will provide students the opportunity to increase their individual level of physical fitness, acquire knowledge of all fitness components and demonstrate an understanding of how a wellness lifestyle affects one’s health, fitness and physical performance. Students will have the opportunity to practice positive personal and social skills. Repeatable unlimited times.

**Transitions** .................................................... H6050
Grade level 9–12. Quarter/Semester.
Prerequisite: None.

This is an experientially-based, student-facilitated course designed for students transitioning to the school from another district, school, or state. The course offers important introductory information about the school, district, community and state that will aid in a successful transition. It will also offer training on skills instrumental in aiding students with future life transitions.

**Volleyball** ....................................................... H6440
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Team activity.

The purpose of this course is to introduce students to basic skills and knowledge associated with volleyball. By applying these principles through active participation, students develop the necessary skills and knowledge to play volleyball. In addition, this course provides students with opportunities to improve physical fitness, acquire knowledge of fitness concepts and practice positive personal and social skills. Students will gain an understanding of how a wellness lifestyle affects one’s health, fitness and physical performance. Repeatable unlimited times.

**Weight Training—Basic** ...................................... H6450
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.

The purpose of this course is to promote the development of muscular strength and endurance and to enjoy the benefits of regular physical activity. Students learn to identify the major muscle groups and how to increase the performance of each through weight lifting and how to stabilize the body core. The discussion and practice of weight lifting techniques and principles guides students toward the eventual implementation of a personal fitness program. The primary class activity involves regular conditioning exercises supported by lecture and discussion. Repeatable unlimited times.

**Weight Training—Advanced** ................................. H6451
Grade level 9–12. Quarter/Semester.
Prerequisite: Weight Training—Basic. Lifetime Activity Course.

This course is designed to build on the concepts introduced in basic weight training. Students are challenged to improve their existing level of fitness. Students will design and implement a safe and effective personal strength program. Students continue their study of health-related fitness concepts and basic nutrition principles as they relate to weight training. Repeatable unlimited times.

**Wilderness Recreation** ....................................... H6740
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.

The purpose of this course is to introduce students to basic skills and knowledge associated with orienteering, hiking, camping, rock climbing, biking, skateboarding, cross-country skiing, canoeing, water safety and/or survival. Through active participation, the student will have the necessary skills and knowledge to pursue a variety of lifetime outdoor recreational activities. The course will provide students the opportunity to increase their individual level of physical fitness, acquire knowledge of fitness concepts and demonstrate an understanding of how a wellness lifestyle affects one’s health, fitness and physical performance. Students will have the opportunity to practice positive personal and social skills, as many of the activities involve cooperation and willingness to take physical challenges. Repeatable unlimited times.

**Winter Sports** ................................................. H6674
Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.

The purpose of this course is to introduce students to basic skills and knowledge associated with winter sports. These activities may include cross-country skiing, snowshoeing, ice hockey, ice skating, sledding, snowboarding and broomball. By applying these principles through active participation, the student will have the necessary skills and knowledge to pursuit the activities as a lifetime activity. The course will provide students the opportunity to increase their individual level of physical fitness, acquire knowledge of all fitness components and demonstrate an understanding of how a wellness lifestyle affects one’s health, fitness and physical performance. Students will have the opportunity to practice positive personal and social skills. Repeatable unlimited times.

**Yoga** ............................................................. H6761
Grade level 9–12. One semester.
Prerequisite: None

Students will practice Hatha Yoga focusing on yoga for strength, flexibility, and relaxation. The class will also cover techniques for increasing concentration and decreasing anxiety which lead to stronger academic performance. Breathing exercises and healthy fitness activities will also be taught.

**King Career Center academic credit**

Advanced Health Career Pathways 1 KCC .................. H8910
Grade level 11–12. Grade 10 with instructor/counselor approval. One semester.
Advanced Health Care Pathways is a challenging course designed to prepare students for further education in the medical field. This rigorous academic class is also a hands-on, skill building program. Many skills necessary for employment in health care professions will be taught, practiced and tested. Students will be exposed to the wide variety of careers in the medical, dental, veterinary and mental health fields. Career exploration, portfolio building and an individualized education pathway will be a vital part of this class. Students will also learn basic skills and knowledge for entry-level health care professions.

Students in this program are evaluated on the basis of written work and test scores, mastery of skills, professionalism and participation in health-related community activities. Attendance, teamwork and class participation are vital components for this class.

Second semester students will expand their understanding of human anatomy and medical terminology. Students will learn medical assisting skills specific to patient examination, diagnostic procedures, specimen collection, laboratory procedures, infection control, medical asepsis and the extensive clerical duties of the medical office. Job shadowing for highly motivated students and an opportunity to apply for on-the-job training may be available.

Job entry opportunities:

Physician’s office, hospitals, extended care facilities, home health care, dental clinic, veterinary clinic

Cosmetology 1 KCC ................................. H8810
Grade Level 11–12. One semester.
Prerequisite: None. $35 lab fee.
Core academic credit: ½ PE/Health.

Cosmetology is a job-oriented course of instruction with all hours accumulated toward the 1,650 hours required for Alaska state licensing for students who choose to have their hours and operations documented. The hours and operations earned are transferable within Alaska.

Students begin to learn about chemicals used in the salon and will be learning hair coloring, hair lightening, permanent waving, hair cutting, fingerwaving and salon management. In the second semester, students focus for the State Board Exams by increasing their speeds and accuracy on the practical subjects learned in the first semester.

Hours and operations will be recorded for Alaska State Certification.

Job entry opportunities:

Hairdresser or barber, Make-up technician, Color technician, Perm specialist, Hair cutting specialist, Esthetician, Manicurist, Salon receptionist.

Practice & Health for PCA KCC ..................... H6020
Grade Level: 11-12. One semester.
Prerequisite: None
Academic Credit: ½ PE/Health and 1.0 Elective

The KCC Personal Care Assistant program course goes beyond demonstrating proficiency in basic health and personal care skills that assist elderly clients or clients with disabilities with daily living tasks such as bathing, dressing, grooming, meal preparation, and maintaining a safe and comfortable home care environment. Upon successful completion of the PCA course curriculum and the State of Alaska written examination, students 18 years and older will be qualified to work as a Personal Care Assistant, one of the fastest growing occupations in Alaska. All students explore citizenship, leadership, communication skills, alternate populations, and other placements in which to successfully employ PCA skills.

Veterinary Science 1 KCC ............................ H8921
Grade Level 11–12. One Semester.
Prerequisite: None
Core academic credits: ½ Life Science and ½ PE/Health per semester.

Veterinary Science is a rigorous course designed to prepare students for careers in veterinary and other health professions. This class requires both academic and physical participation and skills. Students will be exposed to the competencies needed to work in the veterinary and health setting. Students will learn safety and responsibility, animal anatomy, infection control, canine grooming, first aid and CPR for humans, cats and dogs, restraints, veterinary terminology, roles and responsibilities of the types of veterinary workers, ethics, records, scheduling and appointments, communication and client relations. Career exploration and portfolio building are all a part of this class.

Job entry opportunities:

Kennel assistant, dog walker, pet sitter, veterinary assistant, veterinary receptionist, dog wash, dog grooming, human medicine entry level positions.

SCIENCE

Advanced Placement
Environmental Science .......................... H2286
Grade level 11 – 12. Two semesters. Life science or physical science.
Prerequisites: Biology and Chemistry.

As with other courses designated with Advanced Placement, this course is introductory college level material. The student is expected to meet this college level workload to be successful.

This course is an interdisciplinary course that provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

Astronomy Online .................................. H2620OL
Grade level 10–12. One semester. Physical science.
Prerequisite: None.

This online course is designed to build a coherent understanding of the earth-space relationship. Emphasis will be towards the development of astronomical concepts such as planetary motion, structure of galaxies and various theories of the formation of the universe. Course includes the use of various astronomical instruments.

Astronomy: Solar System ..................... H2621
Grade level 9–12. One semester. Physical science.
Prerequisite: None.

Students investigate the development of astronomy from the ideas of the ancients to the modern technological exploration of our solar system. The course focuses on the origin, dynamics and physical characteristics of members of the solar system (sun, planets, satellites, meteoroids, asteroids and comets). Through a study of planetary geology, students will gain an appreciation for the interdisciplinary nature of astronomy. Class activities will include planetarium observations, as well as laboratory experiences based on data provided by NASA, Harvard Smithsonian Micro-Observatory and other astronomy-based facilities.

Astronomy: Universe .................. H2622
Grade level 9–12. One semester. Physical science.
Prerequisite: None.

Students investigate astronomy from the stellar and galactic view. They begin with the physical properties of stars and stellar evolution (how an astronomer infers a star’s origin and eventual demise.) They progress to studies of galaxies, using the Milky Way as the standard for comparison. The universe on a grand scale then becomes the topic for analysis for discussions on clusters of galaxies and cosmology (the origin and evolution of the universe). The planetarium, Micro-Observatory Net and Mt. Wilson 24” Schmidt will aid laboratory studies, as well as information from many other NASA sights including the Hubble Telescope.

Biological Sciences .................... H2210
Grade level 10–12. One semester. Life science.
Prerequisite: None.

This is a very basic course in biology that will stress general biological principles such as the interrelationships of the biotic to the abiotic world, the place of the human race in the ecological scheme of life and a basic taxonomic survey of living things. There will also be some coverage of basic genetics. This course will be laboratory oriented. Biological Survey cannot be taken after successfully completing one or two semesters of Biology 1.

Biology I ................................ H2232
Grade level 9–12. Two semesters. Life science.
Prerequisite: Grade 10–12: none. Grade 9: 3.5 GPA in 8th grade core subjects, Algebra I and teacher recommendation.

The basic biology course and prerequisite for all biology electives. This course will include a study of the chemical basis of life such as the cellular processes of respiration, photosynthesis, diffusion and osmosis. Cell division, DNA and enzyme action will also be covered. The course also includes an extensive treatment of introductory botany, zoology, ecology and genetics.

Biology II ................................ H2242
Grade level 11–12. Two semesters. Life science.
Prerequisite: Biology I and Chemistry I.

This course continues the topics introduced in first year biology. Special emphasis is placed on anatomy and physiology, genetics, evolution and ecology. The human’s biological evolution and impact on other biological systems is examined. Course is structured so the student has more time for independent study using classroom, library and community facilities.

Biotechnology Training and Preparatory Program (BioTaPP), is a 2-year program designed to give students experience in fundamental and advanced biotechnological techniques used in biological research and industry. The program has partnerships with industry and academia, which review the types of activities instructed to give students the best possibility of getting a job right out of high school or a job while attending college. BioTaPP is for those students who wish to learn more biotechnological techniques and want to work independently on a science project involving laboratory and library research.

BioTaPP 1 .............................. H8940
Grade level 11–12. One semester. Life science.
Prerequisite: Algebra I, Biology, and Chemistry or concurrent enrollment in Chemistry.

Upon completion of the sequence of courses, graduates could seek employment as a laboratory or research technician, or continue to higher educational opportunities as a research assistant.

BioTaPP 2 .............................. H8941
Grade level 11–12. One semester. Life Science.
Prerequisite: BioTaPP 1.

BioTaPP 2 is the second course in a sequence of four and continues to concentrate on maintaining the laboratory environment, proper documentation as well as the basic foundational protocols and skills used in the biotechnology industry. Upon completion of the sequence of courses, graduates could seek employment as a laboratory or research technician, or continue to higher educational opportunities as a research assistant.
This is a year-long, lab-based class that introduces students to biotechnology for the 21st century, highlighting the revolution in biology. This class is designed to prepare students for post-secondary options in Biotechnology. Fundamental lab skills training will be the focus of this class. Students will be introduced to the foundations of biotechnology; conceptual understanding of genetic engineering; bioremediation (BP); bioterror and biodefence (military); medicine; immunology; pharmaceutical applications; bioethics and careers in biotechnology. The role of genetically modified organisms will be examined from an ecological perspective. This course will also be supported by local and national scientists in the field of biotechnology.

**Advanced Placement Biology** ........................................... H2244  
Grade level 11–12. Two semesters. Life science.  
Prerequisite: Biology I and Chemistry I.

As with other courses designated with Advanced Placement, this course is introductory college level material. The student is expected to meet this college level workload to be successful.

The AP Biology course is designed to be the equivalent of a college introductory biology course. Topics include molecules, cells, genetics, evolution, organisms, and populations.

**Botany** ................................................................. H2226  
Grade level 10–12. One semester. Life science.  
Prerequisite: Biology I. Not open to students with credit in Natural Science of Alaska.

Course will consist of an examination of plants and animals found throughout Alaska. Field work will be required as well as the study of materials from state and federal agencies. Topics considered will include habitat, behavior, game management, the general classification of common plants and animals and their food value to humans.

**Chemistry I** .............................................................. H2241  
Grade level 10–12. Two semesters. Physical science.  
Prerequisite: Algebra I.

A beginning course that will include a study of the following concepts: atomic structure, mole concept, chemical periodicity, writing formulas and equations, nomenclature of compounds, chemical bonding, use of symbols, valence, physical and chemical properties, elements, mixtures and compounds, kinetic molecular theory of solids, liquid and gases.

The second semester will include the additional major concepts: oxidation, reduction, reaction rates, chemical equilibrium, acids, bases, pH, ionization, stoichiometry, heat of reactions, gas laws, molar concentrations, solutions and solubilities.

Laboratory skills will include: measure mass and volumes, measure temperature, measure melting point and boiling point, filtering and decanting, graphing, interpretation of data, observation, description, recording, measuring pH, titration, pressure of gases, calorimetry and preparation of solutions.

**Conceptual Chemistry** .................................................. H2411  
Grade level 10–12. Two semesters. Physical science.  
Prerequisite: None.

Provides an opportunity for the student interested in areas other than science to study the basic concepts in chemistry as they relate to home and life. Chemical concepts will be used to explain many of the processes we observe in our daily lives. While examining these concepts, the student will develop skills in the laboratory and in problem solving.

**Micro Biology** .......................................................... H2320  
Grade level 10–12. One semester. Life science.  
Prerequisite: Biology I.

Course deals with the techniques of growing and identifying micro-organisms and general microtechnique. Beneficial and harmless organisms will be grown and discussed. Bacterial counts and studies will be done of many areas in the school and community.

**Oceanography** .......................................................... H2306  
Grade level 10–12. One semester. Physical science.  
Prerequisite: Biology I.

Students in the course will study the physical aspects and interactions with the atmosphere-ocean interface including geology, chemistry, physics, meteorology and pollution of oceans. Included will be the study of the effects of geology, geochemistry, geography and physical forces on marine organisms.
of state, acid-base theories, oxidation-reduction and stoichiometry, equilibrium, reaction kinetics and introduction to organic chemistry which will include basic nomenclature and synthesis.

**Advanced Placement Chemistry.** H2434
**Grade level 11–12. Two semesters. Physical science.**
**Prerequisite: Chemistry I, Algebra II.**

As with other courses designated with Advanced Placement, this course is introductory college level material. The student is expected to meet this college level workload to be successful.

This is a college level chemistry course which deals with advanced concepts in chemistry. Laboratory work and chemical problem-solving make up an integral part of the course. Topics covered in AP Chemistry will enhance those covered in Chemistry II with increased laboratory experiences and college level student expectations.

**Earth & Space Science.** H2040
**Grade level 9. One semester.**
**Prerequisite: None.**

This course covers the foundational knowledge of earth and space science. Topics covered include: formation of the universe, stars, Earth's history and the geologic time scale, theory of and evidence for plate tectonics, earthquakes, seismic waves and measuring earthquake magnitudes, volcano types and features, minerals and rocks, ocean layers, currents and circulation, history of earth's climate and global climate change.

**Earth Sciences Online.** H2610OL
**Grade level 10–12. One semester. Physical science.**
**Prerequisite: None.**

This online course is a survey of the various branches of sciences concerning the earth. The student has the opportunity to explore a wide variety of topics such as oceanography, historical geology, rock and mineral identification, astronomy, physical geology, meteorology, composition and formation of the formations of the early and various geological processes of change. This course is not open to students who have successfully completed Geology I.

**Ecology.** H2280
**Grade level 10–12. One semester. Life science.**
**Prerequisite: Biology I.**

A study of the interrelationships of the living and nonliving environment. Topics will include habitat, population dynamics, food webs, random sampling techniques, geochemical cycling and limiting factors. The human effect on the ecosystem will also be discussed and emphasized. Ecosystems and biomes of Alaska will be stressed.

**Environmental Science.** H2085
**Grade level 10–12. Two semesters. Life and physical science.**
**Prerequisite: None.**

Students in this course will study how pollution from man affects the air, water, land and oceans, using all fields of sciences to help students form educated opinions and solutions based on evidence about present and future environmental problems facing society. This is a lab-based course that will rely heavily on field work to gather data.

**Forensic Science I.** H2560
**Grade level 10–12. One semester. Life or physical science.**
**Prerequisite: Biology I required, Chemistry I recommended.**

This course focuses various aspects of forensic science and modern criminal investigation analysis. It integrates biology, geology, physics, chemistry, anatomy, medical sciences and critical thinking skills. Topics include structures and functions of the human body, processing a crime scene, physical evidence, questioned documents, serology and pathology. In addition, the course may cover selected topics in toxicology, drug and alcohol abuse, odontology, entomology, forensic art, terrorist and disaster response and emergency medical procedures. Laboratory work and projects will be an integral part of this course.

**Forensic Science I Online.** H2560OL
**Grade level 10–12. One semester. Life or physical science.**
**Prerequisite: Biology I required, Chemistry I recommended.**

This online course focuses on various aspects of forensic science and modern criminal investigation analysis. It integrates biology, geology, physics, chemistry, anatomy, medical sciences and critical thinking skills. Topics include structures and functions of the human body, processing a crime scene, physical evidence, questioned documents, serology and pathology. In addition, the course may cover selected topics in toxicology, drug and alcohol abuse, odontology, entomology, forensic art, terrorist and disaster response and emergency medical procedures. Laboratory work and projects will be an integral part of this course.

**Forensic Science II.** H2570
**Grade level 10–12. One semester. Life or physical science.**
**Prerequisite: Biology I required, Chemistry I recommended.**

This course follows Forensic Science I. It focuses on various aspects of forensic science and modern criminal investigation analysis. It integrates biology, geology, physics, chemistry, anatomy, medical sciences and critical thinking skills. Topics include DNA analysis, textiles, trace evidence, firearms, tool marks and arson investigation. In addition, the course may cover selected topics in toxicology, drug and alcohol abuse, odontology, entomology, forensic art, terrorist and disaster response and emergency medical procedures. Laboratory work and projects will be an integral part of this course.

**Forensic Science II Online.** H2570OL
**Grade level 10–12. One semester. Life or physical science.**
**Prerequisite: Biology I required, Chemistry I recommended.**

This online course follows Forensic Science I. It focuses on various aspects of forensic science and modern criminal investigation analysis. It integrates biology, geology, physics, chemistry, anatomy, medical sciences and critical thinking skills. Topics include DNA analysis, textiles, trace evidence, firearms, tool marks and arson investigation. In addition, the course may cover selected topics in toxicology, drug and alcohol abuse, odontology, entomology, forensic art, terrorist and disaster response and emergency medical procedures.

**Genetics.** H2290
**Grade level 10–12. One semester. Life science.**
**Prerequisite: Biology I.**

A basic study of heredity among living organisms. Topics also will include adaptations to the environment and the process of
natural selection and evolution. Special emphasis will be placed on human genetic factors and fruit fly genetics.

Geology I ................................. H2641
Grade level 9–12. Two semesters. Physical science.
Prerequisite: Grade 10–12: none. Grade 9: 3.5 GPA in 8th grade core subjects, Algebra I and teacher recommendation.

This course deals with the formation and evolution of the earth’s surface features as revealed by rocks and fossils and of applications of geology to general interest topics and specific Alaskan problems. Areas of concentration will be on ancient plants, animals, as well as evolution and the development of crustal features. Special emphasis will be placed on the Anchorage and Alaskan areas. Geologic time, fossils and rock dating will be applied to the interpretation of earth structures, petroleum exploration and mineral economics.

Geology II ................................. H2656
Grade level 10–12. Two semesters. Physical science.
Prerequisite: Geology I.

A two-semester course of advanced work in physical and historical geology with lab and field work. Special work in the fields of mining, oil and Alaskan geology.

Human Anatomy/Physiology ................. H2300
Grade level 10–12. Two semesters. Life science.
Prerequisite: Biology I required, Chemistry I recommended.

The study of the structure and function of the various portions of the human anatomy. This course is recommended for those students interested in medical/health-related careers. Course covers the chemical basis of life, histology, integumentary system, the nervous system, special senses and the skeletal system.

Introduction to Veterinary Science ........ H8920
Grade level 9–12. One semester. Life science.
Prerequisite: Biology Recommended.

In Introduction to Veterinary Science, students will learn a basic knowledge of veterinary science to include the common species, health care, diseases and skills necessary for pursuing further education for veterinary careers. These skills are directly applicable and transferable to all components of the health care pathway. Topics include: clinical management and client relations, animal anatomy, disease processes, clinical procedures/infection control and career investigations.

Life Science ................................ H2020
Grade level 9. One semester. Life science.
Prerequisite: None.

This course explores two aspects of life science: ecology and human body systems. It integrates biology, chemistry, anatomy, critical thinking skills and science practices. Hands on activities and laboratory work will be an integral component of this course. In addition, students will conduct a self directed, research-based inquiry project.

Topics covered in ecology include: characteristics of life, levels of organization, biodiversity and populations in ecosystems, energy transfer, major biomes, biogeochemical cycles and current events in ecology. Topics covered in human body systems include: homeostasis, body organization and systems, interactions among body systems, current events, diseases and society.

Science 9–12 AC 1 ......................... H2002LS1
Grade level 9–12. Two semesters.
Prerequisite: IEP.

This is an integrated, thematic program that teaches natural sciences through which common principles operate in relationship to one another. Students explore areas of life science, chemistry, physics, earth and space science as well as integrating technology. Alternate curriculum for students enrolled in a Life Skills 1 class as required by their IEP. This course is repeatable.

Science 9–12 AC 2 ......................... H2002LS2
Grade level 9–12. Two semesters. Life science.
Prerequisite: IEP.

This is an integrated, thematic program that teaches natural sciences through which common principles operate in relationship to one another. Students explore areas of life science, chemistry, physics, earth and space science as well as integrating technology. Alternate curriculum for students enrolled in a Life Skills 2 class as required by their IEP. This course is repeatable.

Physiology of Wellness ................... H2302
Grade Level: 9–12. One Semester. Life science.
Prerequisite: None.

Physiology of Wellness is a hands-on approach to fundamental skills necessary for entry level positions in the health and nutrition fields. The class includes, but is not limited to, concepts of nutrition, weight control, eating disorders, exercise physiology, depression, the immune system, digestion and infectious disease.

Meteorology ............................. H2550
Grade level 10–12. One semester. Physical science.
Prerequisite: None.

Students in this course will study and learn how meteorologists monitor the weather using weather maps, satellites, radar and physical and observational measurements of the atmosphere and sky. Students will also study the atmosphere’s origin, composition and structure, solar and terrestrial radiation, heat and temperature, air pressure, humidity, saturation and stability, clouds, precipitation, wind, air masses, fronts, cyclones, anticyclones, thunderstorms, tornadoes, hurricanes and weather forecasting techniques.

Introduction to Natural Resources .......... H2360
Grade level 10–12. One semester. Life or physical science.
Prerequisite: Biology or Instructor’s permission.

A field course requiring winter and spring outdoor clothing, that is a survey of the science, technology, terminology, skills, safety procedures and career implications of natural resources. This course covers forestry, recreation, wildlife, fisheries management, environmental testing, fire use and fighting and natural resources technology.

Natural Science of Alaska ................. H2330
Grade level 10–12. One semester. Life or physical science.
Prerequisite: None. Not open to students with credit in Biology, Alaska.

NCAA approved course list can be found at: www.asdk12.org/NCAA

APS eligible course list can be found at: www.asdk12.org/APS
A one semester study of geography, major land forms, weather and plants and animals of Alaska.

Physical Science ............................. H2030
Grade level 9. One semester. Physical science.
Prerequisite: None.

This course is an introduction to physical science. It integrates physics, chemistry, critical thinking skills and design and engineering practices. Topics covered include: forces and interactions, motion, energy and energy transfer, atomic structure, periodic table, chemical bonding and the conservation of matter. Hands on activities and laboratory work will be an integral component of this course. In addition, students in the course will conduct a self directed design and engineering project, utilize Common Core skills, safety in science, careers in STEM, workplace readiness, and social emotional learning.

Physical Sciences Online .................... H2615OL
Grade level 10–12. One semester. Physical science.
Prerequisite: None.

This online course is a very basic introduction to physical science that will stress the general principles of chemistry and physics. The basic physics section will include emphasis in simple machines, basic electricity and the various forms of energy. The chemistry section will cover matter, mixtures and compounds. The student will be presented with the practical side of physical science that emphasizes the everyday uses of physics and chemistry.

PLTW Biomedical Innovations ............... H8820
Grade: 11–12. Two semesters. ½ Physical science 1st semester, ½ Life science 2nd semester.
Prerequisite: PLTW Medical Interventions.
Academic Credit: ½ Physical Science 1st semester, ½ Life Science 2nd semester

In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health.

PLTW Civil Engineering & Architecture ....... H8000
Grade: 11–12. Two semesters. Physical science.
Prerequisite: Algebra I, PLTW Intro to Engineering Design or CAD 1.

Civil Engineering and Architecture is a course that provides an overview of the fields of civil engineering and architecture with an emphasis on the interrelationship and dependence of both fields on each other. Students use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. The major focus of the course is a long-term project that involves the development of a local property site. As you learn about various aspects of civil engineering and architecture, you will apply what you learn to the design and development of this property. There is flexibility for you and your teacher in developing the property as a simulation or as a real-world experience that civil engineers and architects experience when developing property. The course covers the roles of civil engineers and architects in project planning, site planning, building design and project documentation and presentation.

PLTW Computer Integrated Manufacturing .... H8114
Grade: 11–12. Two semesters. Physical science.
Prerequisite: Algebra I.

Computer Integrated Manufacturing is a course that enhances computer modeling skills by applying principles of robotics and automation to the creation of models of three-dimensional designs. This course is part of the PLTW (Project Lead the Way) Pre-Engineering Program. The purpose of the Computer Integrated Manufacturing course is to expose students to the fundamentals of computerized manufacturing technology. The course is built around several key concepts: Computer Modeling, CNC Equipment, CAM, Robotics, Flexible Manufacturing Systems.

PLTW Digital Electronics ..................... H8112
Grade: 10–12. Two semesters. Physical science.
Prerequisite: Concurrent enrollment or completion of Algebra I.

Digital Electronics™ is a core course of study in the Project Lead the Way™ (PLTW) program. The purpose of this introductory pre-engineering course is to develop a student’s logical thinking skills by solving problems and designing control systems. In this manner students will gain a better understanding of the digital circuits in microelectronic design, manufacturing, computer technology, and information systems. Students use computer simulation to learn about the logic of electrons as they design, test and construct circuits and devices. Students will use the design process by applying it to problem-solving activities and projects; develop critical thinking skills by designing and testing their own solutions; increase communication skills through design and presentation formats; and develop team building skills by working collaboratively in groups.

PLTW Engineering Design and Development .... H8931
Prerequisite: 3 PLTW courses including PLTW Principles of Engineering
Academic Credit: ½ Physical Science per semester.

Engineering Design and Development is the capstone course in the PLTW high school engineering program. It is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

Students will perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams of students will design, build, and test their solution. Finally, student teams will present and defend their original solution to an outside panel. While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational skills, communication and interpersonal skills, creative and problem solving abilities, and their understanding of the design process.

Engineering Design and Development is a high school level course that is appropriate for 12th graders. Since the projects on which student work can vary with student interest and the cur-
 curriculum focuses on problem solving, this course is appropriate for students who are interested in any technical career path. It should be taken as the final capstone PLTW course since it requires application of the knowledge and skills from the PLTW foundation courses.

**PLTW Human Body Systems ** H8126  
Grade Level 9–12 Two Semesters. Life Science.  
Prerequisite: PLTW Principles of Biomedical Science

Human body systems is a two semester course that examines the interactions of body systems as they explore identity, communication, power, movement, projection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries.

**PLTW Introduction to Engineering Design ** H8110  
Grade level 9. Two semesters. Physical science.  
Prerequisite: Concurrent enrollment or completion of Algebra I.

Introduction to Engineering Design is a course that teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software. This course is part of the PLTW (Project Lead the Way) Pre-Engineering Program.

**PLTW Medical Interventions ** H8821  
Grade Level 11-12. Two Semesters. Life science.  
Prerequisite: PLTW Human Body Systems.

Students investigate the variety of interventions in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a “how-to” manual for maintaining overall health and homeostasis in the body as students explore how to prevent and fight infection; how to screen and evaluate the code in human DNA; how to prevent, diagnose and treat cancer; and how to prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to the wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Each family case scenario will introduce multiple types of interventions and will reinforce concepts learned in the two previous courses as well as present new content. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. Lifestyle choices and preventative measures are emphasized throughout the course as well as the important role of scientific thinking and engineering design play in the development of interventions of the future.

**PLTW Principles of Biomedical Science ** H8919  
Grade Level: 9–12. Two semesters.  
Core Credit: ½ Life science 1st semester, ½ Physical science 2nd semester  
Prerequisite: None.

Principles of Biomedical Sciences is a two semester course that provides an introduction to the biomedical sciences through exciting hands on projects and problems. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person and investigate lifestyle choices and medical treatments that might have prolonged the person’s life. The activities and projects introduce the students to human physiology, medicine, research processes and bioinformatics. Key biological concepts including homeostasis, metabolism, inheritance of traits, and defense against disease are embedded in the curriculum. Engineering principles including the design process, feedback loops, and the relationship of structure to function are also incorporated. This course is designed to provide an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses.

This course is the first course in the Project Lead the Way Biomedical Sciences Program.

**PLTW Principles of Engineering ** H8116  
Grade level 10–12. Two semesters. Physical science.  
Prerequisite: Concurrent enrollment or completion of Algebra I.

Principles of Engineering is a course that helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change. This course is part of the PLTW (Project Lead the Way) Pre-Engineering Program.

**Conceptual Physics ** H2511  
Grade level 10–12. Two semesters. Physical science.  
Prerequisite: None.

Basic content shall consist of a brief synopsis of classical areas of physics, i.e., heat, motion, magnetism, mechanics, optics, energy, light, wave behavior, and electricity. The approach to the above content areas of physics shall be that of an everyday practical application. Areas of study shall also include an examination of current energy and environmental problems from a physical science point of view.

**AP Physics 1 ** H2530  
Grade level 11-12. Two semesters.  
Prerequisite: Algebra II.

AP Physics 1 is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits.

**AP Physics 2 ** H2531  
Grade level 11-12. Two semesters.  
Prerequisite: AP Physics 1.

AP Physics 2 is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics.
Physics ............................................. H2521
Grade level 10–12. Two semesters. Physical science.
Prerequisite: Algebra I concurrent or previous algebra II preferred.
Chemistry preferred.

Designed to give the student an appreciation and understanding of the physical laws of the universe. It is a study of the basic force of nature. Topics include gravity, electricity, magnetism and atomic and nuclear forces.

AP Physics C ...................................... H2528
Grade level 11–12. Two semesters. Physical science.
Prerequisite: Physics, completed or currently enrolled in Calculus.

As with other courses designated with Advanced Placement, this course is introductory college level material. The student is expected to meet this college level workload to be successful.

This course is designed to be the equivalent of the first part of the college sequence that serves as the foundation in physics for students majoring in the physical sciences or engineering. Methods of calculus are used wherever appropriate in formulating physical principles and applying them to physical problems. The sequence is more intensive and analytic than that in the B course. The subject matter is mechanics and electricity and magnetism with approximately equal emphasis on these two areas.

SOCIAL STUDIES

World History (Circa 500 BC–AD 1800) ............... H3315
Grade level 10. Required. Two semesters.
Prerequisite: None.

This course provides a study of world history. Included in the first semester of the ASD world history curriculum are the geographic regions of Greece, Rome, India, The Far East; China, Japan, Korea, Africa, Middle East, ancient Americas, Byzantium, and Europe. Geography, humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored.

Included in the second semester are the geographic regions of the Middle East, ancient Americas, Byzantium, and Europe. Geography, humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored.

World History Online
(Circa 500 BC–AD 1800) ............... H3315OLS1/H3315OLS2
Grade level 10. Required. One semester each.
Prerequisite: None.

This online course provides a study of world history. Included in the first semester are the geographic regions of Greece, Rome, India, The Far East, China, Japan, Korea, and Africa. Geography, humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored. Included in the second semester are the geographic regions of the Middle East, ancient Americas, Byzantium, and Europe. Geography, humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored.

World History 9–12 .......................... H3315SP
Grade level 9–12. Two semesters, required.
Prerequisite: IEP.

This course provides a study of world history. Included in the 9-1 portion of the ASD world history curriculum are the geographic regions of Greece, Rome, India, The Far East; China, Japan, Korea, Africa, Middle East, ancient Americas, Byzantium, and Europe. Geography, humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored. Modified curriculum for World History, as required by student’s IEP.

Honors History: World History
(Circa 500 BC–AD 1800) ............... H3315H
Grade level 10. Two semesters.
Prerequisite: Social studies teacher recommendation required.

This course provides an in-depth study of world history. Extensive reading, writing, research, and project development will be required on a daily basis outside of class to meet course expectations. Included in the first semester of the ASD world history curriculum are the geographic regions of Greece, Rome, India, The Far East; China, Japan, Korea, and Africa. Geography, humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored.

Included in the second semester are the geographic regions of the Middle East, ancient Americas, Byzantium, and Europe. Geography, humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored.

U.S. History ................................ H3317
Grade level 11. Required. Two semesters.
Prerequisite: None.

This course provides the study of United States history with some integration of world history. Historiography, geography, economics, government, humanities, sociology, religions, philosophy, science, and technology are some of the themes/perspectives by which US history will be examined. The first semester will investigate/explore the American experience through the post WW I era (roaring twenties) and the beginning of the Great Depression. The second semester will investigate/explore the American experience from the Great Depression through contemporary America.

US History Online ............... H3317OLS1/H3317OLS2
Grade level 11. Required. One semester each.
Prerequisite: None.

This online course provides the study of United States history with some integration of world history. Historiography, geography, economics, government, humanities, sociology, religions, philosophy, science, and technology are some of the themes/perspectives by which US history will be examined. The first semester will investigate/explore the American experience through the post WW I era (roaring twenties) and the beginning of the Great Depression. The second semester will investigate/explore the
American experience from the Great Depression through contemporary America.

**U.S. History 9–12** .......................... H3317SP
Grade level 9–12. Required.  
Prerequisite: IEP.

This course provides the study of United States history with some integration of world history. Historiography, geography, economics, government, humanities, sociology, religions, philosophy, science, and technology are some of the themes/perspectives by which US history will be examined. U.S. History will investigate/explore the American experience until the stock market “crash” in 1929 and the beginning of the Great Depression. It will also investigate/explore the American experience from the Great Depression through contemporary America. Modified curriculum for U.S. History, as required by student’s IEP.

**Honors History: U.S. History** ............... H3317H
Grade level 11. Two semesters.  
Prerequisite: Social studies teacher recommendation required.

This course provides an in-depth study of United States history with some integration of world history. Extensive reading, writing, research, and project development will be required on a daily basis outside of class to meet course expectations. Historiography, geography, economics, government, humanities, sociology, religions, philosophy, science, and technology are some of the themes/perspectives by which US history will be examined. In the first semester this course will investigate/explore the American experience through the post WWI ear (roaring twenties) and the beginning of the Great Depression. In the second semester this course will investigate/explore the American experience from the Great Depression through contemporary America.

**Economics** ........................................ H3080
Grade level 9–12. One semester.  
Prerequisite: None.

Students will examine the fundamental principles of economic theory and how they apply to their lives and the world around them. Students will learn the economic way of thinking as they study the role of consumers, producers and government in the economy. They will explore a number of microeconomic and macroeconomic issues, international markets, and financial literacy.

**Economics Online** .............................. H3080OL
Grade level 9–12. One semester.  
Prerequisite: None.

This online course is designed to teach students economics concepts and principles and to introduce them to important economic institutions. Students will learn to apply economic reasoning to their lives as citizens, consumers, workers and producers.

**Business Economics** ............................ H3081
Grade level 11–12. One semester.  
Prerequisite: None.

This course focuses on applying basic microeconomic and macroeconomic issues, international markets, and financial literacy to the creation and operation of a business. Students will learn the economic way of thinking as they study the role of consumers, producers and government in the economy. Students may participate in a student-run business or online simulation as part of this course.

**Consumer Economics** ......................... H3082
Grade level 9–12. One semester.  
Prerequisite: None.

This course focuses on the economic way of thinking and application of basic economics with an emphasis on financial literacy. Students will explore a number of microeconomic and macroeconomic issues, and global markets as they relate to the individual in the economic system. They will learn how their economic choices affect their lives as citizens, consumers, workers and producers.

**Consumer Economics 9–12 AC 1** ............. H3018LS
Grade level 9–12. One semester.  
Prerequisite: IEP.

This course is designed as a transitional skills class for students with an IEP and enrolled in a Life Skills 1 program to prepare students for financial survival. Areas to be covered will be a study of sources and procedures necessary for job successes, which will include payroll deductions, income taxes, benefits and development of wise spending habits through sound money management. This course also addresses the skills necessary for successfully obtaining a job. This course is repeatable 10 times and may be counted as ½ credit of economics, social studies elective or general elective. Alternate curriculum for students enrolled in a Life Skills 2 as required by their IEP. This course is repeatable.

**Consumer Economics 9–12 AC 2** .......... H3018LS2
Grade level 9–12. One semester.  
Prerequisite: IEP.

This course is designed as a transitional skills class for students with an IEP and enrolled in a Life Skills 2 program to prepare students for financial survival. Areas to be covered will be a study of sources and procedures necessary for job successes, which will include payroll deductions, income taxes, benefits and development of wise spending habits through sound money management. This course also addresses the skills necessary for successfully obtaining a job. This course is repeatable 10 times and may be counted as ½ credit of economics, social studies elective or general elective. Alternate curriculum for students enrolled in a Life Skills as required by their IEP. This course is repeatable.

Advanced Placement Economics;  
Micro and Macro ................................. H3083 /H3084
Grade level 11–12. One semester each.
Prerequisite: None
One full year meets both the economics and social studies elective requirement.

This is a college-level course divided into two sections and it is designed to prepare students for the Advanced Placement test. The first section, microeconomics, provides students with a thorough understanding of the principles of economics that apply to the functions of individual decision makers, consumers and producers. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government.

Macroeconomics is the second section of the course and provides students with a thorough understanding of the principles of economics that apply to an economic system as a whole. It places emphasis on the study of national income and price determination and also develops familiarity with economic performance measures, economic growth and international economics.

Advanced Placement Economics,
Micro Online ............................. H3083OL
Grade level 11–12. One semester.
Prerequisite: None
Taking both Macro and Micro Economics meets both the economics and social studies elective requirement.

This is a college-level online course divided into two sections; it is designed to prepare students for the Advanced Placement test.

Microeconomics provides students with a thorough understanding of the principles of economics that apply to the functions of individual decision makers, consumers and producers. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government.

Advanced Placement Economics,
Macro Online ............................. H3084OL
Grade level 11–12. One semester.
Prerequisite: None
Taking both Macro and Micro Economics meets both the economics and social studies elective requirement.

This is a college-level online course divided into two sections; it is designed to prepare students for the Advanced Placement test.

Macroeconomics provides students with a thorough understanding of the principles of economics that apply to an economic system as a whole. It places emphasis on the study of national income and price determination and also develops familiarity with economic performance measures, economic growth and international economics.

Alaska Studies ......................... H3110
Alaska Studies, Honors ................ H3110H
Grade level 9–12. One semester, required.
Prerequisite: None.

Alaska Studies is an in-depth exploration of the rich geographic and cultural background of the state and its people from the early native peoples to the Russian era through statehood to the present. This course includes examination of the geography, history and the political and economic forces that have shaped contemporary Alaska. Content is organized around five themes: population, land, resource, governance and cultural landscape. The course seeks to ensure that students have a strong foundation in the historic and cultural contexts of issues facing the state so they will develop a broad sense of community and strengthen skills that will encourage thoughtful consideration of issues and choices facing Alaska.

Alaska Studies Online .................. H3110OL
Grade level 9–12. Required. One semester.
Prerequisite: None.

Alaska Studies is an online in-depth exploration of the rich geographic and cultural background of the state and its people from the early native peoples to the Russian era through statehood to the present. This course includes examination of the geography, history and the political and economic forces that have shaped contemporary Alaska. Content is organized around five themes: population, land, resource, governance and cultural landscape. The course seeks to ensure that students have a strong foundation in the historic and cultural contexts of issues facing the state so they will develop a broad sense of community and strengthen skills that will encourage thoughtful consideration of issues and choices facing Alaska.

Alaska Studies 9–12 ...................... H3110SP
Grade level 9–12. One semester, required.
Prerequisite: None.

Alaska Studies is a college-level course divided into two sections and it is designed to prepare students for the Advanced Placement test. Taking both Macro and Micro Economics meets both the economics and social studies elective requirement.

Macro Online ............................. H3084OL
Grade level 11–12. One semester.
Prerequisite: None
Taking both Macro and Micro Economics meets both the economics and social studies elective requirement.

This is a college-level online course divided into two sections; it is designed to prepare students for the Advanced Placement test.

Macroeconomics provides students with a thorough understanding of the principles of economics that apply to an economic system as a whole. It places emphasis on the study of national income and price determination and also develops familiarity with economic performance measures, economic growth and international economics.

United States Government ............. H3075
Grade level 12. One semester, required.
Prerequisite: None.

This course is founded on the belief that to become an informed and active citizen, an understanding of government is essential. This course will feature both the structure of government and the function of politics. It will include both theory and practical application of the following: 1) foundations of United States government, 2) institutions and policy making, 3) principles of the United States Constitution, 4) roles and responsibilities of the citizen, and 5) political culture.

United States Government Online .... H3075OL
Grade level 12. Required. One semester.
Prerequisite: None.

This online course is founded on the belief that to become an informed and active citizen, an understanding of government is
essential. This course will feature both the structure of government and the function of politics. It will include both theory and practical application of the following: 1) foundations of United States government, 2) institutions and policy making, 3) principles of the United States Constitution, 4) roles and responsibilities of the citizen, and 5) political culture.

United States Government 9–12 .......... H3075SP
Grade level 9–12. One semester, required.
Prerequisite: IEP.
This course is founded on the belief that to become an informed and active citizen, an understanding of government is essential. This course will feature both the structure of government and the function of politics. It will include both theory and practical application of the following: 1) foundations of United States government, 2) institutions and policy making, 3) principles of the United States Constitution, 4) roles and responsibilities of the citizen, and 5) political culture. Modified curriculum for United States Government, as required by student’s IEP.

Advanced Placement United States Government ................. H3062
Grade Level 12. One semester.
Prerequisite: None.
Students taking both AP U.S. Government and AP Comparative Government and Politics meet both the U.S. Govt and the one semester social studies elective graduation requirements. Taking one semester of AP U.S. Government meets the government requirement.
This course is designed for the student who is capable of doing lower division college work. The AP U.S. Government and Politics class will address the following topics: 1) constitutional underpinnings of United States government, 2) political beliefs and behaviors, 3) political parties and interest groups, 4) the three branches of national government, 5) public policy making and 6) civil liberties and civil rights. This course will prepare students for the advanced placement test in U.S. Government and Politics and will fulfill the requirement for U.S. Government.

Advanced Placement US Government Online ..................... H3062OL
Grade level 12. One semester.
Prerequisite: None.
Taking one semester of AP U.S. Government meets the government requirement.
This online course is designed for the student who is capable of doing lower division college work. The AP U.S. Government class will address the following topics: 1) constitutional underpinnings of United States government, 2) political beliefs and behaviors, 3) political parties and interest groups, 4) the three branches of national government, 5) public policy making and 6) civil liberties and civil rights. This course will prepare students for the advanced placement test in U.S. Government and Politics and will fulfill the requirement for U.S. Government.

Advanced Placement Comparative Government and Politics .................. H2901
Grade level 12. One semester.
Prerequisite: None.
Taking one semester of AP Comparative Government and Politics meets the social studies elective requirement.
This course is designed for the student who is capable of doing lower division college work. The course provides intensive study of the different political and economic systems of the following countries: United Kingdom, France, Russia, China and Mexico, India or Nigeria. This course will prepare students for the advanced placement test in AP Comparative Government and Politics.

Advanced Placement European History .......... H3441
Grade level 11–12. Two semesters.
Prerequisite: None.
One full year meets the one semester social studies elective requirement and earns an additional one semester general elective requirement.
This course offers students an opportunity for a challenging, in-depth examination of the course of European cultural development from the middle ages to contemporary times. Students will be prepared for the advanced placement test and will 1) develop an understanding of some of the principle themes in Modern European History, 2) learn to read historical material analytically and critically, 3) weigh historical evidence and interpretations and arrive at conclusions on the basis of informed judgments, 4) learn how to cite sources and credit the ideas and phrases of others, 5) use proficient expression in correct English, 6) research a subject carefully before drawing conclusions and gain familiarity with essay examinations, the use and interpretation of maps and other graphic materials, note-taking from both printed materials and lectures and writing short research papers.

Advanced Placement United States History ...... H3023
Grade level 11–12. Two semesters.
Prerequisite: None.
One full year meets the one semester social studies elective requirement and earns an additional one semester general elective requirement or one full year meets the US History requirement.
This course is designed to challenge the ambitious student who has the ability and interest in American history and is capable of doing lower division college level work. The purposes of this course are to provide a much more intensive study of the United States history and preparation for the advanced placement test in this field.

Advanced Placement US History Online ............... H3023OLS1/H3023OLS2
Grade level 11–12. One semester each.
Prerequisite: None.
One full year meets the one semester social studies elective requirement and earns an additional one semester general elective requirement or one full year meets the US History requirement.
This course is designed for the student who is capable of doing lower division college level work. The purposes of this course are to provide a much more intensive study of the United States history and preparation for the advanced placement test in this field.

Advanced Placement World History ............ H3313
Grade level 10–12. One year
Prerequisite: Instructor Approval

AP World History is a college level course based on a global perspective of the world and human interactions from 8000 BCE to the present day. The themes for this course will be: The impact of interaction among and within major societies, The impact of technology, economics, and demography on people and the environment, Systems of social structure and gender structure, Cultural, religious, and intellectual developments, and Changes in functions and structures of states and in attitudes toward states and political identities, including the emergence of the nation state. Students will refine their analytical abilities and critical thinking skills in order to understand historical and geographical context, make comparisons across cultures, use primary sources, and learn to recognize different interpretations and historical frameworks. Students will become proficient at writing to the various types of essays prompts and answering the multiple-choice questions that will be on the AP exam.

Advanced Placement Art History ................. H5017
Grade level 11–12. One year
Prerequisite: Grade 11, 12 or Instructor Approval
Art Studio, Art I, Art II, AP Art Studio, World History or European History helpful
Two-semester course: AP Exam required for AP credit
Material Fee: none
One full year meets the one semester social studies elective requirement and earns an additional one semester general elective requirement.

This course is designed for the student who desires to investigate the evolution of art from the Paleolithic to the present day. Students will be prepared for the advanced placement test and will: 1) Develop an understanding of the elements of art, fundamental art historical terminology, and technical processes; 2) Analyze how issues such as war events, patronage, gender, and the function and effect of art create the historical context, in which art is best understood; 3) Compare and contrast the painting, architecture, sculpture, and other media of art, within the Western tradition, between historical and stylistic periods, and; 4) Discuss art beyond the European tradition from among the following cultures: The Ancient Near East, Egypt, Africa beyond Egypt, Islam, the Americas, Asia, and Oceania.

Advanced Placement

Art History Online ............... H5017OLS1/H5017OLS2
Grade level 11–12, or, by instructor’s approval. Two-semester course.
Prerequisite: None. It is helpful to have had Art Studio, Art I, Art II, AP Art Studio, World History and/or European History. AP Exam is required for AP credit. One full year meets the one semester social studies elective requirement and earns an additional one semester general elective requirement.

This online course is designed for the student who desires to investigate the evolution of art from the Paleolithic to the present day. Students will be prepared for the advanced placement test and will: 1) develop an understanding of the elements of art, fundamental art historical terminology, and technical processes; 2) analyze how issues such as world events, patronage, gender, and the function and effect of art create the historical context in which art is best understood; 3) compare and contrast the painting, architecture, sculpture, and other media of art, within the Western tradition, between historical and stylistic periods; and, 4) discuss art beyond the European tradition from among the following cultures: the Ancient Near East, Egypt, Africa beyond Egypt, Islam, the Americas, Asia, and Oceania.

Social Studies 9–12 AC 1 .......................... H3013LS1
Grade level 9–12. Two semesters.
Prerequisite: IEP.

This course is designed for students to learn about the world around them and to become informed and active citizens. Students will learn about the foundations of government, our own US Constitution, politics and the roles and responsibilities of being a good citizen. They will also learn about their local community and how they can be contributing members. Alternate curriculum for students enrolled in a Life Skills 1 class as required by their IEP. This course is repeatable.

Social Studies 9–12 AC 2 .......................... H3013LS2
Grade level 9–12. Two semesters.
Prerequisite: IEP.

This course is designed for students to learn about the world around them and to become informed and active citizens. Students will learn about the foundations of government, our own US Constitution, politics and the roles and responsibilities of being a good citizen. They will also learn about their local community and how they can be contributing members. Alternate curriculum for students enrolled in a Life Skills 2 class as required by their IEP. This course is repeatable.

SOCIAL STUDIES ELECTIVES

The specific courses listed below are the courses that meet the 1/2 credit social studies elective graduation requirement. Although organized into two categories, Geography/Area Studies and History/Social Sciences, any one course from either category meets that requirement. These semester-long courses are intended for juniors and seniors only.

Geography/Area Studies

Geography: Africa Studies ....................... H3430
Grade level 11–12. One semester.
Prerequisite: None.

Africa studies will focus on the physical geography and the diverse cultural forces that affect contemporary Africa. In this course, students will discuss early civilizations, imperialism, colonization, the rise of nationalism and the emergence of independent African nations. The changing role of African nations in the modern world will be examined.

Geography: Asia Studies ......................... H3415
Grade level 11–12. One semester.
Prerequisite: None.

Asia studies will focus on the physical geography and cultural factors that characterize this huge region. Students will examine the diverse social, political, cultural and economic forces that affect regions of the world’s most populated continent.
will discuss early civilizations, dynasties, religions, beliefs, environmental issues, sub-regions, changing history and the region’s contributions to the world. Issues facing contemporary Asia will also be explored.

**Contemporary Problems** ........................................... H3655
Grade level 11–12. One semester.
Prerequisite: None.
This course will focus on the social, political, cultural and geographic forces that have created contemporary world “hot spots.” Students will discuss the evolution of these issues on the world stage and the implications of their resolution or non-resolution.

**Environmental Studies** ........................................... H3092
Grade level 11–12. One semester.
Prerequisite: None.
Environmental Studies emphasizes how the diverse people and cultures of the world affect the land on which they live. Students will examine the historical context of how local geography influenced the decisions that a people made. Then, as industrialization became widespread, how those decisions affected the world’s geography and environment. The interrelationships existing between economic development and the environment will also be explored.

**Geography: European Studies** ................................. H3638
Grade level 11–12. One semester.
Prerequisite: None.
Approved by NCAA
European studies will examine the physical geography, cultures, history, economies and diversity of the people in this region. The course will focus upon an in-depth study of a selected sub-region or provide a comparative study of several European nations. Contemporary issues and problems will be examined as well as the region’s impact upon the world.

**Global Geography** .................................................. H3030
**Global Geography, Honors** ................................. H3030H
Grade level 9–12. One semester.
Prerequisite: None.
This course is ideal for those curious about our world. The course concentrates on developing geographic skills and concepts so that students can ask questions about the world and then gather, organize, analyze and apply the geographic information. For example, students will study world population growth and distribution, patterns of migration, how climate affects human habitation and distribution and how people use resources.

**Global Geography 9–12** ........................................... H3030SP
Grade level 9–12. One semester.
Prerequisite: IEP.
This course is ideal for those curious about our world. The course concentrates on developing geographic skills and concepts so that students can ask questions about the world and then gather, organize, analyze and apply the geographic information. For example, students will study world population growth and distribution, patterns of migration, how climate affects human habitation and distribution and how people use resources. Modified curriculum for Global Geography, as required by student’s IEP. The course is repeatable 10 times.

**International Relations** ........................................... H3630
Grade level 11–12. One semester.
Prerequisite: None.
This course studies political geography among nations in the modern world. Emphasis is placed upon the history of United States foreign policy and how it is determined and implemented. Contemporary, topical issues will be studied in the context of their effect on the interests of the United States.

**Geography: Latin America Studies** ....................... H3635
Grade level 11–12. One semester.
Prerequisite: None.
This course will focus on the physical geography and cultural factors that characterize this region. Latin America includes Mexico, Caribbean nations and the nations of Central and South America. Students will study the characteristics which make the region unique and develop a knowledge of the contemporary issues. Current issues may include the development of a democracy, economic development, populations and environmental issues and challenges.

**Geography: Middle East Studies** ............................. H3455
Grade level 11–12. One semester.
Prerequisite: None.
Approved by NCAA
This course will focus upon the physical geography and cultural geography of this important region. The important role of the region in the global community will be examined. Students will investigate the relationships existing between the people and nations within the region. Key themes will address how the region’s religion, terrorism and oil influences the world.

**Geography: North America Studies** ....................... H3636
Grade level 11–12. One semester.
Prerequisite: None.
This course will focus upon the physical and cultural geography of this region or selected sub-regions. An analysis of the relationships among North American nations and cultures may be conducted to examine the impact of the region on the world today. Within that geographic context, the course will focus upon the cultural and physical forces that affect contemporary North America.

**Geography: Pacific Rim Studies** ............................. H3033
Grade level 11–12. One semester.
Prerequisite: None.
This course will focus upon the physical geography and diverse cultural elements found within the Pacific Rim region. Major countries surrounding and within the Pacific region will be the focus of study in this course. An analysis of the relationships among Pacific Rim cultures and nations will also be conducted to examine the impact of the region on the world today.

**United Nations** ..................................................... H3461
Grade level 11–12. One semester.
Prerequisite: None.
United Nations is the study of the physical and cultural geog-
ogy of selected member states in the organization and their relationship to key issues being examined by the organization. Students will also examine the functions and roles of the United Nations in the contemporary world. Emphasis is placed upon the process and issues of policy making. Students may participate in a model United Nations as representatives of a member state. This participation may require a commitment of time beyond the regular class schedule.

**History/Social Sciences**

**Affective Skill Development 9–12** .......... H3135SP
Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designed for students with an IEP to assist with problem solving, anger management, conflict resolution, alternative coping skills and goal setting techniques. Individual needs and concerns are addressed on a student-by-student basis. This course is repeatable 10 times for ½ social studies elective credit or general elective credit.

**Ancient Civilizations** ................. H3470
Grade level 9–12. One semester.
Prerequisite: None.

This course is designed to allow an in-depth study of early worlds from the Americas to China, India, Africa and Mesopotamia. This course explores why and where early civilizations developed and compares their religion, culture, literature, science, technological achievements and their economic and political systems. Sample topics include: pyramids, rise and fall of great empires, high technology of the day, myths, arts, sports, foods and leisure of the ancients and great warriors and their weapons.

**Anthropology** ............................ H3020
Grade level 11–12. One semester.
Prerequisite: None.

This is a study of humankind around the world and throughout time to seek understanding of human diversity. Students in this course will explore how the environment, culture, history and technology affect human development. Learn how old bones and artifacts can unlock the mystery of humankind. Sample topics include fieldwork and its methodology, early civilizations and societies, famous anthropologists and their discoveries, cultures past and present and how they compare.

**Comparative World Religions** .......... H3465
Grade level 11–12. One semester.
Prerequisite: None.

This course is designed for students with an IEP to assist with problem solving, anger management, conflict resolution, alternative coping skills and goal setting techniques. Individual needs and concerns are addressed on a student-by-student basis. This course is repeatable 10 times for ½ social studies elective credit or general elective credit.
Criminology is a study in the nature and causes of crime, its control and related punishment issues. Students will explore why people become criminals, how do we control criminals and how crime affects young people. Sample questions include: what are common crimes? How do juvenile crime patterns compare with adult? What are the different types of crimes? How do we police? What is organized crime? How does a citizen become part of the solution? How are property crime patterns different from violent crime patterns?

Criminology Online ......................... H3615OL
Grade level 11–12. One semester.
Prerequisite: None.

Criminology is a study in the nature and causes of crime, its control and related punishment issues. Students will explore online why people become criminals, how we control criminals and how crime affects young people. Sample questions include: What are common crimes? How do juvenile crime patterns compare with adult? What are the different types of crimes? How do we police? What is organized crime? How does a citizen become part of the solution? How are property crime patterns different from violent crime patterns?

Dignity in Diversity ....................... H3510
Grade level 11–12. One semester.
Prerequisite: None.

Dignity in Diversity focuses on four primary concepts to inspire students toward and prepare them for a democratic society. These concepts include democracy/equity, cross-cultural understanding, interdependence and socio-cultural exchange. The methodology of the course encourages students to understand more than one perspective in a dilemma, to place themselves in the position of other people and to be willing to express ideas in class without fear of ridicule. Through an interdisciplinary approach that uses social studies and literature, students have an opportunity to view the relationship of history to their lives and to explore the roles and responses of individuals and groups confronting contemporary difficult issues and dilemmas.

The Holocaust and Human Behavior .......... H3513
Grade level 11–12. One semester.
Prerequisite: None.

This course allows students to explore, in-depth, one of the most fascinating yet tragic events of the twentieth century: The Holocaust. Students will examine the root causes which led to the rise of the Nazi party and the reaction of Germans—and the world—to Hitler and his plans of genocide. This course is best suited for individuals willing to reflect upon their own views of human behavior and consider the lessons of history. Questions which will be addressed include: what happens when prejudice and hatred are left unchecked? Can a democratic country produce a dictator? What did the Nazis believe and did anyone oppose them? How did Nazis make Germans obey orders? Have there been any other genocides like the Holocaust? Can individuals make a difference in the outcome of historic events?

Humanities of Western Civilizations ............ H3505
Grade level 11–12. One semester.

Prerequisite: None.

This course will explore the roots of western society from the rise of Greece through the formation of modern Europe. Students will examine western history, philosophy, arts and theology. The contributions of Western culture in the international arena and the effects of these interactions will also be examined. Students will investigate the following topics: contributions of the ancient classical civilizations in Greece and Rome, the role of western culture in creating democratic traditions, scientific and artistic advancements that made up the Renaissance, the roles that Judaism and Christianity have played in shaping the western world and beyond.

Law Studies .................................. H3625
Grade level 11–12. One semester.
Prerequisite: None.

Law Studies is the place to discover how the legal system works. This course aids students in applying legal principles and procedures through active participation in civil, criminal and constitutional mock trials. Sample questions that will be examined include: What rights do individuals have? What are the major types of law? Why do we have an adversarial system? How well will students do in court? How do we make justice happen? How is justice carried out in Alaska?

Law Studies Online .......................... H3625OL
Grade level 11–12. One semester.
Prerequisite: None.

Law Studies is the place to discover how the legal system works. This online course aids students in applying legal principles and procedures. Sample questions that will be examined include: What rights do individuals have? What are the major types of law? Why do we have an adversarial system? How well will students do in court? How do we make justice happen?

Minority Groups and Ethnic Cultures .......... H3512
Grade level 11–12. One semester.
Prerequisite: None.

This course is a study of the social, political, cultural and economic forces that affect minorities and ethnic cultures in the U.S. Students explore the customs, behaviors, issues and legacies of America’s diversity. Sample questions that will be examined include: who are the indigenous peoples of the United States? Who are the minority groups and ethnic cultures of the United States? What are the important issues facing minority groups and ethnic cultures in the U.S. today? What has been the progression of civil liberties for minorities in the U.S.? Have what been and is the political/legal status of minority groups and cultures in the United States?

On Your Own 9–12 AC 1 ...................... H3016LS1
Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designed as a transitional skills class for students with an IEP and enrolled in a Life Skills 1 program to teach skills that will help students to successfully live independently in the future. This course provides opportunity to learn by doing; how to open a checking account, apply for a job, fill out an apartment
application, create a budget, apply for credit and much more. Students will take several field trips and have many guest speakers from the community. Students will improve writing skills and math skills through practical applications in real life situations. This course is repeatable 10 times and may be counted as ½ credit of economics, social studies elective or general elective.

On Your Own 9–12 AC 2 .......................... H3016LS2
Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designed as a transitional skills class for students with an IEP and enrolled in a Life Skills 2 program to teach skills that will help students to successfully live independently in the future. This course provides opportunity to learn by doing: how to open a checking account, apply for a job, fill out an apartment application, create a budget, apply for credit and much more. Students will take several field trips and have many guest speakers from the community. Students will improve writing skills and math skills through practical applications in real life situations. This course is repeatable 10 times and may be counted as ½ credit of economics, social studies elective or general elective.

On Your Own 9–12 ......................... H3016SP
Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designed as a transitional skills class for students with an IEP to teach skills that will help students to successfully live independently in the future. This course provides opportunity to learn by doing: how to open a checking account, apply for a job, fill out an apartment application, create a budget, apply for credit and much more. Students will take several field trips and have many guest speakers from the community. Students will improve writing skills and math skills through practical applications in real life situations. This course is repeatable 10 times and may be counted as ½ credit of economics, social studies elective or general elective.

Philosophy ................................. H3040
Grade level 11–12. One semester.
Prerequisite: None.

Philosophy is the study of systematic inquiry into basic questions, thoughts and beliefs regarding the human condition. Students will use logic and speculative reasoning to explore for answers and express their understanding of their thoughts and beliefs. The following questions will be examined: who are the great philosophers and what were their beliefs? How does one’s philosophy shape their view of the world around them? What is the inherent nature of humankind and knowledge? What is the relationship between philosophy, religion and the supernatural? What are your beliefs about life and living? How is philosophy passed down through time? What is ideal behavior? How does Eastern philosophy differ from Western philosophy?

Pre-Voc 9–12 ............................. H3020SP
Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designed as a transitional skills class for students with an IEP to teach skills that will help students successfully get and keep a job. Students will learn about the job market, how to look for a job, interviewing skills, career decision making, self-determination skills and more. Students will be able to match their interests and aptitude with a chosen career path. This course is repeatable 10 times and may be counted as ½ credit of economics, social studies elective or general elective.

Psychology 1 Online ..................... H3685OL
Grade level 11–12. One semester.
Prerequisite: None.

Psychology is the scientific study of human behavior from early childhood through old age. Students will explore how an organism’s physical state, mental state and external environment affect behavior and the mental processes. Sample topics include: how people learn, think, feel and behave; how developmental stages are important in the human life cycle; how self-concept is developed through relationships with parents, peers and culture; and how brain functions are affected by environmental conditions.

Psychology 1 Online ........................ H3686
Grade level 11–12. One semester.
Prerequisite: Psychology 1.

This course continues the study of the human mind and behavior by shifting the focus to the individual. Students will investigate the interactions of an individual with other people, how a person copes with stress, the causes of psychological disorders and the treatments of these disorders.

Advanced Placement Psychology .......................... H3687
Grade level 11–12. Two semesters.
Prerequisite: None.

This year-long course is designed to introduce the highly motivated student to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are introduced to the psychological facts, principles and phenomenon associated with each of the major sub-fields within psychology. They also learn about the methods psychologists use in their science and practice. Topics include: the history of psychology, contemporary approaches to behavior, how to understand one’s own behavior, strategies for dealing with life experiences and how to apply psychological principles to society.

Advanced Placement Psychology Online .......................... H3687OLS1/ H3687OLS2
Grade level 11–12. One semester each.
Prerequisite: None.

This year-long online course is designed to introduce the
highly motivated student to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are introduced to the psychological facts, principles and phenomenon associated with each of the major sub-fields within psychology. They also learn about the methods psychologists use in their science and practice. Topics include: the history of psychology, contemporary approaches to behavior, how to understand one’s own behavior, strategies for dealing with life experiences and how to apply psychological principles to society.

**Social Skills Development 9–12** ............... H9909SP
**Grade level 9–12. One semester.**
**Prerequisite: IEP.**
This course is designed for students with an IEP in learning a comprehensive approach to generalizing social skills, specifically: requesting, initiating and responding to peers, and/or adults, across various environments, both school and community based. Individual needs and concerns will be addressed on a student-by-student basis. This course is repeatable 10 times for ½ social studies credit or general elective credit.

**Social Skills Development 9–12 AC** ............ H9909LS
**Grade level 9–12. One semester.**
**Prerequisite: IEP.**
This course is designed for students with an IEP and enrolled in a Life Skills class in learning a comprehensive approach to generalizing social skills, specifically: requesting, initiating and responding to peers, and/or adults, across various environments, both school and community based. Individual needs and concerns will be addressed on a student-by-student basis. Alternate curriculum for students enrolled in a Life Skills class. This course is repeatable 10 times for ½ social studies credit or general elective credit.

**Sociology** ......................................... H3045
**Grade level 11–12. One semester.**
**Prerequisite: None.**
Sociology is a study of how human behavior is shaped by the groups to which we belong. Students will examine patterns of social life, make predictions about behavior and investigate other cultures. Sample questions in Sociology include: what roles do families play? What role does money play in creating groups in society? How do schools and other social institutions shape human behavior? Why do people join gangs?

**Sociology Online** ................................. H3045OL
**Grade level 11–12. One semester.**
**Prerequisite: None.**
Sociology is the study of how human behavior is shaped by the groups to which we belong. In this online course students will examine patterns of social life, make predictions about behavior and investigate other cultures. Sample questions in Sociology include: what roles do families play? What role does money play in creating groups in society? How do schools and other social institutions shape human behavior? Why do people join gangs?

**Twentieth Century American Eras** .............. H3556
**Grade level 11–12. One semester.**
**Prerequisite: None.**
This course is an in-depth study of specific time periods and themes in U.S. history over this past century. A major goal of this course is to understand how life today is related to previous life experiences. Sample topics in this course include: the Cold War, the Sixties, the Roaring Twenties, the Depression and the Civil Rights Era.

**United States Military History** .................. H3230
**Grade level 11–12. One semester.**
**Prerequisite: None.**
This course will examine the origin and growth of U.S. military forces. Sample topics will include: leaders and strategies, successes and failures, allies and enemies, women and minorities and air, sea and ground forces.

**Westward Movement** ............................. H3235
**Grade level 11–12. One semester.**
**Prerequisite: None.**
Westward Movement is a course that studies the frontier history and geography of the U.S. as a young nation expands from coast to coast. Sample topics in Westward Movement include: Native American cultures and histories; life on the Kentucky frontier (e.g. Daniel Boone, splitting wood and salt pork); men and women of the frontier; Native American and settlers views of each other; treatment of Native Americans; Louisiana Purchase and explorers of the territory; Texas independence, annexation and the Alamo; cultural diversity in the west; gold rushes, cowboys/girls; cattle drives and cowtowns.

**Women’s History** ................................. H3527
**Grade level 11–12. One semester.**
**Prerequisite: None.**
Women’s History is a course where students explore current issues of women, their major achievements and the historical impact women have had on humanity. Sample topics in Women's History are: the changing roles of women and their social, marital, economic and legal-political status; the roles of men; the agendas and accomplishments of selected women leaders; issues that affect women (e.g. violence, poverty, education, equal opportunity); and challenges and legacies of women throughout history.

**King Career Center academic credit**

**Alaska Railroad Tour Guide Program KCC.** .... H8656
**Grade level 9–12. One semester after-school program at KCC.**
**Prerequisite: None**
**Academic Credit: ½ Alaska Studies.**

The Alaska Railroad Tour Guide Program is an introductory course which includes Alaska history, geography, cultures, economy, flora-fauna and the natural resources of the state. Public speaking and customer contact skills are taught as well as an introductory unit into the visitor industry of Alaska taught by the industry professionals. Field trips to local tourism businesses and cultural museums and destinations are also an integral component of the course.

NCAA approved course list can be found at: www.asdk12.org/NCAA

APS eligible course list can be found at: www.asdk12.org/APS
Students will hone their portfolios which will demonstrate proficiency in skills considered essential by the business industry. The Anchorage Chamber of Commerce will issue an “endorsement” to students who have successfully met its portfolio requirement. Students in the second semester will develop a business project. This will focus on project management and facilitation, general business concepts, contracts, technical writing, accounting basics, and project/product presentations. Utilizing industry partners, students will provide real world solutions to business problems.

Career & Work
Readiness KCC .............. H0012SSP/H3020SP/H9805SP
Grade level 10–12. One semester.
Prerequisite: Student must have an IEP.
Core Academic Credits: ½ Language Arts and ½ Social Studies Elective.
May be repeated with instructor’s permission.

The Work Readiness Program is for students with Individual Education Plans (IEP) who are ready to begin the process of transition from school to work. Being “work ready” requires preparation, practice, exploration, and work experience in order to be successful in reaching their employment and vocational goals. Students have an opportunity for a Formal Vocational Assessment to help determine their interests and aptitudes. Students will complete a portfolio with résumé, writing samples, and other documents necessary for job search, training, scholarships and future transitional planning.

Students will interview for appropriate placement. This class is designed to develop an Individual Employment Plan, prepare to become competitively employed, or seek and apply for training through college, vocational training, apprenticeship, or on-the-job training programs. Students can achieve basic certifications to help them obtain employment. Examples include but are not limited to: the Municipality of Anchorage Food Workers card, basic safety skills and customer service training. Students will become familiarized with resources and agencies in the community such as DVR and the Alaska Department of Labor and Workforce Development that can assist them toward obtaining independent living skills.

Early Childhood Education 1 KCC .............. H8303
Grade level 11–12. One semester.
Prerequisite: None, however course work in Child Development and/or Psychology is recommended. Municipal licensing requires all students to complete paperwork for a background check and documented health history. In addition, all students disciplinary records are also reviewed for possible infractions that would exclude them from working with young children. Professional dress and attire is required on preschool days including wearing our uniform polo shirt and no visible tattoos or facial piercings.
Core academic credit: ½ Social Studies elective.

The Early Childhood Education Program provides students an opportunity to work and learn about young children. Students work in a municipal-licensed preschool that follows NAEYC Accreditation Standards. They are supervised by two early childhood instructors. Students are also required to complete an application for the job of working with young children and provide three references. Students learn child development and classroom skills in supervising and teaching young children ages 3-5 years. The first semester curriculum includes: health and safety, guidance and parenting.

Job entry opportunities:
- ASD kindergarten teacher assistant, ECE teacher aide, pre-K teacher aide, special education aide, recreational leader, after-school program assistant
- Entrepreneurship & Enterprise 1 KCC .............. H8095
  Grade level 11-12. One semester.
  Prerequisite: None.
  Academic Credit: ½ Economics and ½ Language Arts and 1.0 Elective

- Entrepreneurship & Enterprise 2 KCC .............. H8096
  Grade level 11-12. One semester.
  Prerequisite: Grade of “C” or better in Entrepreneurship & Enterprise 1.
  Academic Credit: ½ Economics and ½ Language Arts and 1.0 Elective

  Students will learn and experience business operations through a hands-on and problem-based curriculum. The focus in the first semester class will be on entrepreneurship; students will work in teams to develop, plan, and sell a product or service at KCC.

  Students will learn how fields such as accounting, finance and marketing fit together in a functioning business. Personal ethics, business planning, economics, finance, accounting basics, communications, marketing, corporate responsibility and technical writing will be integrated into the course. By the end of the first quarter, students will liquidate their businesses, and issue an annual report and letter to shareholders. They will also produce balance sheets, cash flow statements and income statements. The class will then plan a new KCC store that will allow students to further refine their skills on a larger scale.

  Students will hone their portfolios which will demonstrate proficiency in skills considered essential by the business industry. The Anchorage Chamber of Commerce will issue an “endorsement” to students who have successfully met its portfolio requirement. Students in the second semester will develop a business project. This will focus on project management and facilitation, general business concepts, contracts, technical writing, accounting basics, and project/product presentations. Utilizing industry partners, students will provide real world solutions to business problems.

Natural Resources Management 1 KCC .............. H8710
Grade level 11–12. One semester.
Prerequisite: None.
Core academic credits: ½ Alaska Studies, ½ Physical Science and ½ Social Studies elective per semester.

Learn about and experience the beauty and mystery of Alaska while exploring careers that manage the natural resources of our state. Through classroom and outdoor skill building activities students will examine soil and water conservation, wildlife and fisheries management, and forestry and recreation in both historical and contemporary contexts. This course examines the geography, history, political and economic forces that have shaped contemporary Alaska. Course content is organized around five themes of
population, land, resources, governance and cultural landscape. The NRM program offers career pathways to Alaska resource development and conservation career fields by offering Tech Prep college credits toward degrees and opportunities for paid summer natural resource career internships.

This course is an integration of social studies and physical science with career field exploration. ASD’s Alaska Studies curriculum is taught when fall and spring semesters are taken consecutively. This course includes a review of the history and the political and economic forces that determine contemporary Alaska resource development decisions and other issues confronting the state.

**Job entry opportunities:**

Summer employment programs, professional mentorships, landscaping, tree service companies, greenhouse operations, forestry aide, environmental specialist, environmental interpreter, guide assistant, campground and park aides.

**Public Safety & Security 1 KCC ...................... H8217**

Grade level 11-12. One semester.
Prerequisite: High reading level and good writing skills recommended.
Core academic credit: ½ Social Studies Elective.

Public Safety and Security students learn to work as part of a professional criminal justice team. Students will study the history of the criminal justice system, the three components: law enforcement, courts, and corrections, and how they work together, as well as the various role expectations within those three components. In addition to legal terminology, students will also study basic interview techniques, crime scene investigation including photography, basic fingerprinting techniques, report writing, courtroom presentation and basic firearms safety.

Second semester students will be learning through scenario-based training in preparation for Skills USA competitions in Criminal Justice or CSI.

Students in this program are evaluated on the basis of attendance, professionalism, mastery of skills, written test scores, daily progress and community work service. Community work service is a requirement with 20 hours of activities preferably related to law enforcement, law, corrections or security. Certain class projects can be used as community work service hours. This class includes guest speakers and related field trips.

**Job entry opportunities:**

Security: private, corporate, school; military police; police records clerk; court clerk; Transportation Security Administration; support staff for any part of the criminal justice system.

**Travel & Tourism 1 KCC ...................... H8650**

Grade level 11-12. One semester.
Prerequisite: None.
Core academic credit: ½ Alaska Studies, ½ Social Studies Elective.

Tourism in Alaska accounts for one in eight jobs and is the second-largest private sector employer. The Travel & Tourism program provides students with the skills and knowledge necessary for successful careers in this fast growing industry. Students are prepared for entry level positions with airlines, airport operations, tour companies, banquet serving/catering, and the cruise and lodging industries.

Some of the topics covered in the training program include tourism in Alaska, sectors of travel & tourism, personal marketing/job portfolio and customer service/professional communication skills.

Alaska has more mountains, glaciers and wildlife than just about anywhere else in the world. Students in this course have the unique opportunity to participate in FAM (familiarization) tours where they get out of the classroom and experience first-hand the rich cultures, history and geography of Alaska, and learn about the many different businesses that make up the industry.

**Fall:** Hotel/lodging, airlines and the Alaska Railroad. Students interested in applying for the AKRR Tour Guide Program offered in the spring are encouraged to take this class.

**Spring:** Cruise lines, tour companies, meetings and conventions. Students will participate in an industry career fair in March with a focus on job placement. Travel and tourism careers appeal to adventurous, outgoing people adept at customer service. Make this course your first stop on the path to a successful career!

**World Languages**

**American Sign Language**

**American Sign Language I ...................... H4905**

Grade level 9-12. Two semesters
Prerequisite: None

The students will develop a vocabulary of approximately 1200 signs. Students will focus on mastering the basics of fingerspelling, numbers, colors, facial grammar, and sentence structure. Students will also learn conversational/cultural behaviors necessary to hold a beginning-level conversation in ASL, with Deaf users of the language. A basic understanding of Deaf culture will also be presented, along with basic ASL literature, to provide students with a broad picture of language and culture.

**American Sign Language II ...................... H4907**

Grade level 9-12. Two semesters
Prerequisite: American Sign Language I or teacher approval.

The students will increase their proficiencies in the skills which they learned in ASL 1. Students will continue to focus on fingerspelling, numbers, facial grammar, and sentence structure. Students will further develop the conversational/cultural behaviors necessary to hold a beginning-level conversation. Mastery of grammatical concepts and language structures learned in ASL 1 will be emphasized and refined. A more in-depth understanding of ASL literature will be presented as well as additional cultural information to aid student development of awareness and appre-
cation for the unique linguistic relationship between language and culture among the Deaf who use ASL to communicate.

American Sign Language III. ..................H4909
Grade level 9-12. Two semesters
Prerequisite: American Sign Language II or teacher approval.

The students will learn intermediate level vocabulary for communication with Deaf individuals, learning how to express abstract concepts in ASL. Students will apply their knowledge of the linguistic components of ASL in a variety of interactive situations both receptively and expressively. Knowledge of English idioms and multiple English synonyms will be expanded. Culture connotations of common signs and phrases will be emphasized. Students will understand concepts and issues related to Deaf culture, Deaf history, and the Deaf community. Course includes receptive and expressive readiness activities, sign vocabulary, ASL grammatical structure, receptive and expressive finger spelling, conversational behaviors and various aspects of Deaf culture.

American Sign Language IV ...............H4910
Prerequisite ASL III & teacher recommendation

The students will continue development of expressive and receptive skills learned in ASL 1, 2, & 3. Students will continue study and performance of forms of ASL literature and continue to analyze complex grammatical structures. They will explore concepts of linguistics as it relates to variations in ASL and emphasize current research as well as fieldwork. Students will also experience the language outside the classroom through interaction with the Deaf community. This course is designed to build student vocabulary, develop greater fluency in expressive signing, and develop confidence in receptive skills.

FRENCH

French I (novice low) .......................H4421
Grade level 9–12. Two semesters.
Prerequisite: None.

Students learn to exchange information in simple terms about topics relating to themselves, their family and their leisure activities in French. They will be introduced to the culture of French-speaking countries and regions. The emphasis is on vocabulary development and elementary grammatical structures. The main goal of this course is to progress toward a novice-level ability in using French in school and the community.

French I Online (novice low) ........H4421OLS1/H4421OLS2
Grade level 9–12. One semester each.
Prerequisite: None

Students learn to exchange information in simple terms about topics relating to themselves, their family and their leisure activities in French. They will be introduced to the culture of French-speaking countries and regions. The emphasis is on vocabulary development and elementary grammatical structures. The main goal of this course is to progress toward a novice-level ability in using French in school and the community.

French II (novice mid) .................H4431
Grade level 9–12. Two semesters.

Prerequisite: French I.

Building on what was learned in Level I, students expand their ability to speak, read, write and listen in French. The emphasis is on continued vocabulary development and the acquisition of additional simple grammatical structure. There will be many opportunities to converse and write stories in French about familiar topics. Students begin applying their French language skills to communicate in basic real-life situations. They also continue to learn about the culture of French-speaking people. The goal of this course is for students to function at a mid-novice to high-novice level of proficiency.

French II Online (novice mid) ....H4431OLS1/H4431OLS2
Grade level 9–12. One semester each.
Prerequisite: French I

Building on what was learned in Level I, students expand their ability to speak, read, write and listen in French. The emphasis is on continued vocabulary development and the acquisition of additional simple grammatical structure. There will be many opportunities to converse and write stories in French about familiar topics. Students begin applying their French language skills to communicate in basic real-life situations. They also continue to learn about the culture of French-speaking people. The goal of this course is for students to function at a mid-novice to high-novice level of proficiency.

French III (novice high to intermediate low) ..........H4441
Grade level 9–12. Two semesters.
Prerequisite: French II

Students exchange information and begin to share opinions about themselves, their school and community. They expand their vocabulary and learn increasingly complex grammatical structures needed for more sophisticated communication. Students use technology and media to gather cultural information and learn about current events. This course is tailored to the low-intermediate level of proficiency in French.

French III Online .................H4441OLS1/H4441OLS2
(novice high to intermediate low)
Grade level 9–12. One semester each.
Prerequisite: French II

Students exchange information and begin to share opinions about themselves, their school and community in this online class. They expand their vocabulary and learn increasingly complex grammatical structures needed for more sophisticated communication. Students use technology and media to gather cultural information and learn about current events. This course is tailored to the low intermediate level of proficiency in French.

French IV (intermediate mid to intermediate high) ....H4451
Grade level 9–12. Two semesters.
Prerequisite: French III.

Building on what was learned in Level III, students work with an increased number of authentic listening and reading materials. They learn to describe, explain, summarize and express opinions in detail. Students can discuss current events and give topical cultural reports in French. Emphasis will be on learning idiomatic expressions and more detailed grammatical concepts. The goal for

Not all courses in this catalog will be offered at all schools at any one time.
French V (Intermediate high to pre-advanced) .......... H4461
Grade level 9–12. Two semesters.
Prerequisite: French IV.

Students continue their development of communication skills through various media, which may include literature, art, music, film, history or current events. This can be an individualized course defined by student needs and interest in French. The goal for this course is to meet the students’ desires to advance in their acquisition of communication skills, cultural understanding and personal growth.

Advanced Placement
French Language (pre-advanced) ...............H4471
Grade level 11–12. Two semesters.
Prerequisite: French IV, V, or teacher recommendation.

The goal of this course is to prepare each student to take the annual AP French Language exam. Designed to provide students with an opportunity to develop their proficiency skills in comprehension, reading, writing and speaking at a higher level, students will be challenged with written essays, impromptu and planned oral presentations, readings of a variety of texts and listening and viewing comprehension of oral texts.

Advanced Placement French Language Online (pre-advanced) .......... H4471OLS1/H4471OLS2
Grade level 11–12. Two semesters.
Prerequisite: French IV, V, or teacher recommendation.

The goal of this online course is to prepare each student to take the annual AP French Language exam. Designed to provide students with an opportunity to develop their proficiency skills in comprehension, reading, writing and speaking at a higher level, students will be challenged with written essays, impromptu and planned oral presentations, readings of a variety of texts and listening and viewing comprehension of oral texts.

GERMAN

German I (novice low) ......................... H4221
Grade level 9–12. Two semesters.
Prerequisite: None.

An introduction to the German language and culture. The emphasis is on listening with understanding, speaking with clarity, reading and writing. Instruction begins with situation dialogues. Deductive analysis is used to lead to grammatical principles, but the emphasis is on vocabulary development. Students in their course learn to exchange information in simple terms about every day experiences. Students identify the countries where German is spoken, as well as current events in those countries.

German I Online (novice low) . . H4221OLS1/H4221OLS2
Grade level 9–12. Two semesters.
Prerequisite: None.

This online course is an introduction to the German language and culture. The emphasis is on listening with understanding, speaking with clarity, reading and writing. Instruction begins with situation dialogues. Deductive analysis is used to lead to grammatical principles, but the emphasis is on vocabulary development. Students in their course learn to exchange information in simple terms about every day experiences. Students identify the countries where German is spoken, as well as current events in those countries.

German II (novice low to novice high) ............ H4231
Grade level 9–12. Two semesters.
Prerequisite: German I.

Emphasis is further vocabulary development and includes increased writing practice. Additional points of grammar are introduced. Students give oral reports and refine their discussions of their daily lives. Students continue to learn about the culture of the German people, which may include famous figures from history as well as aspects of modern life in Germany, which could include sports or entertainment personalities and popular pastimes. Current events in the German speaking world are discussed.

German II Online (novice low to novice high) . . .H4231OLS1/H4231OLS2
Grade level 9–12. Two semesters.
Prerequisite: German I.

This online course emphasizes further vocabulary development and includes increased writing practice. Additional points of grammar are introduced. Students give oral reports and refine their discussions of their daily lives. Students continue to learn about the culture of the German people, which may include famous figures from history as well as aspects of modern life in Germany, which could include sports or entertainment personalities and popular pastimes. Current events in the German speaking world are discussed.

German III (novice high to intermediate low) ........ H4241
Grade level 9–12. Two semesters.
Prerequisite: German II.

Continues to develop and perfect the four skills: listening, speaking, reading and writing, with more emphasis on German literature, history and culture. Grammatical elements are reviewed on a more advanced level and are incorporated into conversations and compositions on a broad spectrum of topics.

German IV (intermediate mid to intermediate high) . . .H4251
Grade level 9–12. Two semesters.
Prerequisite: German III.

Increased emphasis is placed on reading and writing communications. Concentration may be directed toward reading and discussing German literature from classical material to contemporary works. Main events of German history may be covered as well as one or more interdisciplinary thematic units.

German V (intermediate low to pre-advanced low) . . .H4261
Grade level 9–12. Two semesters.
Prerequisite: German IV.

This is an individualized course designed to strengthen grammatical weaknesses and perfect oral skills. Materials are selected according to student interest. Advanced placement programs are possible at this level.
**Advanced Placement German** .......................... H4271
(intermediate to pre-advanced)
Grade level 11–12. Two semesters.
Prerequisite: German IV or teacher recommendation.

The goal of this course is to prepare each student to take the annual AP German Language Exam. Designed to provide students with an opportunity to develop their proficiency skills in comprehension, reading, writing and speaking at a much higher level, students will be challenged with written essays, impromptu and planned oral presentations, readings of a variety of texts and listening and viewing comprehension of oral texts.

**GERMAN IMMERSION**

**German Immersion: Contemporary Youth**

and Culture ................................. H4280
Grade level 9. Two semesters.
Prerequisite: Participation in the German Immersion Program Grades 1-8, or teacher recommendation.

Designed specifically for advanced students of German, this course, through in-depth thematic study, will compare and contrast various aspects of the modern German-speaking world with their own, and in turn, gain a better understanding of themselves and the world in which they live. Themes include family life, youth culture, leaders and heroes, music, environment, and modern society.

**JAPANESE**

**Japanese I (novice low to novice mid)** .................. H4721
Grade level 9–12. Two semesters.
Prerequisite: None.

The emphasis of this course is on the ability to communicate orally, emphasizing vocabulary development and basic language functions. The two kana syllabaries, hiragana and katakana, along with some basic characters, are taught in this course. Students will use the language to exchange information about topics relating to themselves, their families and their leisure activities. A general introduction to Japanese culture is also integrated throughout this course.

**Japanese II (novice high)** .............................. H4731
Grade level 9–12. Two semesters.
Prerequisite: Japanese I.

This course builds on the study of basic vocabulary and grammatical structures from Japanese I. In the area of written communication, utilization of Kana (hiragana and katakana) continues. Approximately 25-50 kanji (Chinese characters) are also introduced. Students will use the language to exchange information about topics relating to geography, friends, weather, seasons and lifestyles. Students participate in dialogues about familiar situations and use less simple patterns. They read familiar material and write short, directed compositions. Japanese customs, beliefs and aspects of contemporary and traditional culture are also integrated throughout this course.

**Japanese III (novice high to intermediate low)** .......... H4741
Grade level 9–12. Two semesters.
Prerequisite: Japanese II.

Students continue to develop proficiency in listening, speaking, reading and writing. They expand their vocabularies and learn more complex language functions to communicate in more sophisticated ways. Oral and written tasks will integrate Level I and Level II topics, with a wider array of communicative topics. Consistent with all topics, students negotiate conversations, engage in limited discourse and demonstrate socio-cultural appropriateness. Students demonstrate an ability to recognize and produce an additional 25-50 kanji (Chinese characters). Topics related to Japan’s history, contemporary and traditional culture, as well as current events are integrated throughout this course.

**Japanese IV (intermediate low to intermediate mid)** .... H4743
Grade level 9–12. Two semesters.
Prerequisite: Japanese III.

Students develop more sophisticated communication skills and refine their reading and writing skills. In writing and reading, the number of kanji is increased. Students write short compositions based on individual experiences or reading materials and making oral or written presentations on assigned topics. Cultural topics, such as a survey of Japanese history, are integrated throughout this course.

**Japanese V (intermediate)** ............................. H4745
Grade level 9–12. Two semesters.
Prerequisite: Japanese IV.

Students continue the study of the Japanese language by completing the study of basic grammar, by learning new vocabulary and by preparing creative works in writing. They progress to use more complex sentences using abstract vocabulary. Reading selections of increased difficulty will be incorporated for readings and discussions. In writing and reading, the number of kanji (Chinese characters) increases. Cultural topics, such as the relationship with people with nature, the conduct of business, major historical events and the ties with the United States, are integrated throughout this course.

**Advanced Placement Japanese Language & Culture** ....................... H4746AP
(intermediate low to intermediate mid)
Grade level: 11–12
Prerequisite: Japanese II, IV, V, Japanese for Fluent Speakers II, IV or teacher recommendation.

This course is comparable to a college/university Japanese language course and supports students as they develop the productive, receptive and cultural skills necessary to communicate with native speakers of Japanese. Students will study Japanese through content-based themes such as Japanese history, tradition, contemporary culture and social issues. This course prepares students for the annual Advanced Placement Japanese Language and Culture Exam and is conducted exclusively in Japanese.

**JAPANESE IMMERSION**

**Japanese for Fluent Speakers I** ........................ H4790
Grade level 9. Two semesters.
Prerequisite: Participation in the Japanese Immersion Program Grades 1-8, or teacher recommendation.

This course uses students’ broad vocabulary base, proficiency...
with basic communicative structures and mastery of the hiragana and katakana syllabaries, as well as several hundred kanji (Chinese characters) to focus on oral communication. Students will apply familiar grammar functions to new communicative tasks, as well as cement proper usage of latent grammar function skills. Students will use new vocabulary and grammar functions to learn about and express opinions about topics such as tourism in Alaska, Japanese vs. American peers and Japanese customs and beliefs. Both oral and written communication will be conducted exclusively in Japanese.

Japanese for Fluent Speakers II .................. H4792
Grade level 10. Two semesters.
Prerequisite: Japanese for Fluent Speakers I or teacher recommendation.

This course builds on students' ability to use the basic communicative structures presented in JFS 1/2. The course emphasizes continued vocabulary development and development of communicative functions to enhance oral communication skills. Kanji (Chinese characters) for production and recognition are increased. The themes of tradition vs. change and comparative cultures are used to learn about topics such as: images in the Japanese media, sumo and the role of family. Students use a variety of written and oral resources to learn and express their opinions about various topics. Both oral and written communication will be conducted exclusively in Japanese.

Japanese for Fluent Speakers III .................. H4794
Grade level 11–12. Two semesters.
Prerequisite: Japanese for Fluent Speakers II or teacher recommendation.

This course builds vocabulary, grammatical structures and socio-cultural understanding presented in JFS 3/4. This course emphasizes continued vocabulary development and development of communicative functions to enhance oral communication skills. Kanji (Chinese characters) for production and recognition are increased. Students use Japanese to deepen their understanding of Japanese history, with specific focus on the Heian period, the Maimi period, World War II (the road to war, pearl harbor, Hiroshima, Japanese Internment, the changing perceptions of Japan's war involvement) and modern Japan and its ties with the U.S. Students use a variety of written and oral resources to learn and express their opinions about various topics. Both oral and written communication will be conducted exclusively in Japanese.

Japanese for Fluent Speakers IV .................. H4796
Grade level 11–12. Two semesters.
Prerequisite: Japanese for Fluent Speakers III or teacher recommendation.

This course builds the vocabulary, grammatical structures and socio-cultural understanding presented in JFS 3/III. This course emphasizes continued vocabulary development and development of communicative functions to enhance speaking, listening, reading and writing communication skills. Kanji (Chinese characters) for production and recognition are increased. Students use Japanese to learn about Japanese business, careers involving Japanese and current events. This class also helps prepare student to transition into college-level Japanese courses. Students use a variety of written and oral resources to learn and express their opinions about various topics. Both oral and written communication will be conducted exclusively in Japanese.

LATIN

Latin I ........................................... H4821
Grade level 9–12. Two semesters.
Prerequisite: None.

This course is designed to introduce the beginning student to the Latin language and Roman culture. The course focuses on the development of reading comprehension. Vocabulary and grammar are studied in the context of reading passages into which cultural information has been integrated. Students learn to pronounce Latin according to accepted convention and simple oral Latin is used to aid students in comprehension. Students will gain some understanding of the effect of Roman civilization on the western world. Word derivations and Latin word elements are also studied to expand the student's vocabulary.

Latin I Online .................. H4821OLS1/H4821OLS2
Grade level 9–12. Two semesters.
Prerequisite: None.

This online course is designed to introduce the beginning student to the Latin language and Roman culture. The course focuses on the development of reading comprehension. Vocabulary and grammar are studied in the context of reading passages into which cultural information has been integrated. Students learn to pronounce Latin according to accepted convention and simple oral Latin is used to aid students in comprehension. Students will gain some understanding of the effect of Roman civilization on the western world. Word derivations and Latin word elements are also studied to expand the student's vocabulary.

Latin II ........................................... H4831
Grade level 9–12. Two semesters.
Prerequisite: Latin I.

The emphasis of Latin II is to continue the development of reading and comprehension skills and the acquisition of a deeper understanding of the similarities and differences between the Roman world and our own. New vocabulary and more grammatical structures are learned as the reading progresses to longer and more complicated passages. Oral Latin is used to help students understand reading selections. The study of Latin word elements continues.

Latin II Online .................. H4831OLS1/H4831OLS2
Grade level 9–12. Two semesters.
Prerequisite: Latin I.

The emphasis of Online Latin II is to continue the development of reading and comprehension skills and the acquisition of a deeper understanding of the similarities and differences between the Roman world and our own. New vocabulary and more grammatical structures are learned as the reading progresses to longer and more complicated passages. Oral Latin is used to help students understand reading selections. The study of Latin word elements continues.
Latin III ................................................. H4841
Grade level: 9–12. Two semesters.
Prerequisite: Latin I and II.

Students in this course continue to develop reading and comprehension skills, working primarily with authentic Latin texts. Students are introduced to a variety of genres including histories, orations, poetry, drama and letters. They become acquainted with some major Roman writers of the classical period. Students further refine their understanding of classical mythology and the influence of the Roman World on contemporary culture. Time permitting, students may become acquainted with selections from Medieval Latin.

Latin IV ............................................... H4851
Grade level: 9–12. Two semesters.
Prerequisite: Latin I, II and III.

Students continue the study of classical Latin using authentic texts. Students learn to scan Latin poetry, to identify the various tropes and figures of speech used in poetry and oration and to appreciate the individual styles of the authors studied. The course may provide students an opportunity to prepare for the AP Examination in Latin and focuses either on Vergil, Aeneid or on the poems of Horace, Ovid and Catullus and the speeches of Cicero. Students may prepare original compositions in Latin including letters, orations and poems.

Advanced Placement Latin ..................... H4856AP
Grade level: 11–12. Two semesters.
Prerequisite: Latin III or teacher recommendation.

Students in this course will complete university-level coursework in AP Latin Literature, focusing on selections from The Aeneid of Vergil and Commentarii de Bello Gallico of Julius Caesar. Students will critically analyze works for form and content. Students will participate actively in discussions on literary topics to prepare for the Advanced Placement Latin Exam.

MANDARIN CHINESE

Mandarin Chinese I (novice low to novice mid) ...... H4321
Grade level: 9–12. Two semesters.
Prerequisite: None.

The emphasis of this course is on the ability to communicate orally, emphasizing vocabulary development and basic language functions. Students will use the language to exchange information about topics relating to themselves, their families and leisure activities. Students will learn basic radicals and stroke order in writing and be introduced to Chinese culture.

Mandarin Chinese I Online .......... H4321OLS1/H4321OLS2
(novice low to novice mid)
Grade level: 9–12. Two semesters.
Prerequisite: None.

The emphasis of this online course is on the ability to communicate orally, emphasizing vocabulary development and basic language functions. Students will use the language to exchange information about topics relating to themselves, their families and leisure activities. Students will learn basic radicals and stroke order in writing and be introduced to Chinese culture.

Mandarin Chinese II (novice high) ............. H4323
Grade level: 9–12. Two semesters.
Prerequisite: Mandarin Chinese I.

This course builds on the study of basic vocabulary and grammatical structures from Chinese I. Students will transfer from dependence on the romanized system, pinyin, to reading and writing the Chinese characters. Students will initiate and sustain short conversations on simple topics in everyday situations, recognize future and past references and speak the language with increased confidence and clearer articulation. Chinese customs, beliefs and aspects of contemporary and traditional culture are also integrated throughout this course.

Mandarin Chinese II Online .......... H4323OLS1/H4323OLS2
(novice high)
Grade level: 9–12. Two semesters.
Prerequisite: Mandarin Chinese I.

This online course builds on the study of basic vocabulary and grammatical structures from Chinese I. Students will transfer from dependence on the romanized system, pinyin, to reading and writing the Chinese characters. Students will initiate and sustain short conversations on simple topics in everyday situations, recognize future and past references and speak the language with increased confidence and clearer articulation. Chinese customs, beliefs and aspects of contemporary and traditional culture are also integrated throughout this course.

Mandarin Chinese III ......................... H4325
(novice high to intermediate low)
Grade level: 9–12. Two semesters.
Prerequisite: Mandarin Chinese II.

Students continue to develop communicative proficiency in Chinese and expand their ability to write in Chinese, from simple words to paragraph descriptions of pictures and short essays. Students will develop a better understanding of the cultural implications of the Chinese language in communication through the study of selected readings of authentic Chinese materials.

Mandarin Chinese IV ......................... H4327
(intermediate low to intermediate mid)
Grade level: 9–12. Two semesters.
Prerequisite: Mandarin Chinese III.

Students develop more sophisticated communication skills and refine their reading and writing skills. Students will be exposed to Chinese television, plays and contemporary Chinese literature. Students will make oral and/or written presentations on assigned topics exclusively in the target language.

Mandarin Chinese V (intermediate) ............ H4329
Grade level: 9–12. Two semesters.
Prerequisite: Mandarin Chinese IV.

Students continue the study of Chinese language through expanded vocabulary, more complex sentence structures and authentic reading selections. Students will increase their skills in creative writing and speaking. Cultural topics related to Chinese culture and history will be integrated throughout the course.
Advanced Placement Mandarin Chinese (intermediate to pre-advanced) ............... H4331
Grade level 11–12. Two semesters.
Prerequisite: Mandarin Chinese IV or teacher recommendation.

The goal of this course is to prepare each student to take the annual AP Mandarin Chinese Language Exam. Designed to provide students with an opportunity to develop their proficiency skills in comprehension, reading, writing and speaking at a much higher level, students will be challenged with written essays, impromptu and planned oral presentations, readings of a variety of texts and listening and viewing comprehension of oral texts.

RUSSIAN

Russian I (novice low) .......................... H4621
Grade level 9–12. Two semesters.
Prerequisite: None.

Students learn to exchange information in simple terms about topics relating to themselves and their family in Russian. They will be introduced to the geography and culture of Russia. Students will master the Cyrillic alphabet and they will present short dramatizations of skits, songs, or poetry. The emphasis is on vocabulary development and simple grammatical structures. The main goal is for students to progress toward a novice-level ability in using Russian in school and the community.

Russian II (novice low to novice mid) ...................... H4631
Grade level 9–12. Two semesters.
Prerequisite: Russian I.

This course builds on the novice level. Students expand their ability in reading, speaking, writing and listening and extend their vocabulary on topics of everyday experiences. They continue to acquire simple grammatical structures as needed for meaningful communication. Students progress toward a novice-high level of ability.

Russian III (novice mid to novice high) .................... H4641
Grade level 9–12. Two semesters.
Prerequisite: Russian II.

Students exchange and begin to share opinions about themselves, their school and community. Students use technology to communicate in Russian. They use Russian media to gather information. They are able to retell traditional Russian stories orally and in writing. Students begin to work at the low intermediate ability level in Russian.

Russian IV (novice high to intermediate low) ............ H4651
Grade level 9–12. Two semesters.
Prerequisite: Russian III.

Students compare common courtesies and non-verbal cues in Russian. They learn to describe concerns and express dis/satisfaction with products or services. They exchange information on past and future plans and experience songs, literature and art enjoyed by their Russian peers. Students present short plays and skits and prepare audio or video projects. They continue to progress through the intermediate level of ability.

Russian V (novice high to intermediate mid) ............. H4653
Grade level 9–12. Two semesters.

Prerequisite: Russian IV.

Students define their needs and interests in further study of Russian. They continue to learn about the culture of Russia in relation to the situations in which they might find themselves expected to communicate. This is an individualized course which continues the work begun in Russian III and IV. Students are progressing toward an intermediate high level ability in Russian.

RUSSIAN IMMERSION

Russian Immersion: Sovremennaya Molodyoj’ i kul’tura
(Contemporary Youth and Culture)
(Intermediate low to Intermediate high)
Современная жизнь и культура .................. H4654
Grade level 9–12. Two semesters.
Prerequisite: Middle School Russian Immersion or teacher recommendation

This course is intended for grade 9 Russian immersion students who are continuing from an ASD middle school Russian immersion program. The focus is to advance students’ language skills and content knowledge through themes of interest to young people. Through in-depth thematic study, students will compare and contrast various aspects of the Russian-speaking world with their own, and in turn, gain a better understanding of themselves and the world in which they live. Themes include family life, youth cultures, leaders and heroes, and multiculturalism and society. This course is conducted exclusively in Russian.

Russian Immersion:
Русская литература и СМИ
(Russian Literature and Media) ..................... H4655
(intermediate low to intermediate high)
Grade level 9–12. Two semesters
Prerequisite: Russian immersion or teacher recommendation

This course is intended for Grade 10 Russian immersion students. It is aligned with themes used in IB/AP Russian curriculum. Study of Russian and its people, improving Russian language skills and content knowledge through themes that are aligned with AP and IB. Students will read and write using authentic literary works and media: advertising, magazines, newspapers, and film. This course is exclusively in Russian.

Russian Immersion:
Rossia i Ayska: Istoricheskiye svyazi
(Russia and Alaska Historical Perspectives) ........ H4657
(pre-advanced)
Grade level 9-12. Two semesters.
Prerequisite: Russian Immersion or teacher recommendation

Through advanced study of Russian, students will explore three unique aspects of history, and examine the similarities and connections of the lives, customs, and cultures of northern peoples. The focus is the improve language skills and content knowledge through themes that are aligned with AP and IB courses.

Advanced Placement Russian Language ............ H4660
(pre-advanced)
Grade level: 11–12. Two semesters. Prerequisite: Russian V, VI, immersion, native speaker or teacher recommendation.

NCAA approved course list can be found at: www.asdk12.org/NCAA

APS eligible course list can be found at: www.asdk12.org/APS
The goal of this course is to prepare each student to take the annual AP Russian Language Exam. Designed to provide students with an opportunity to develop their proficiency skills in comprehension, reading, writing and speaking at a much higher level, students will be challenged with written essays, impromptu and planned oral presentations, readings of a variety of texts and listening and viewing comprehension of oral texts.

SPANISH

Spanish I (novice low) .................................................. H4021
Grade level 9–12. Two semesters.
Prerequisite: None.

Students begin to learn to communicate orally and in written form. They learn to understand and produce simple expressions and are introduced to the cultures of Spanish speaking countries. The emphasis is placed on vocabulary development and simple grammar. Throughout the course students apply language skills to real-life communication. Students in this course learn to exchange information in simple terms. The main goal for this course is for students to progress towards a novice level ability in using Spanish in school and the community.

Spanish I (novice low) Online . . . . . . . . H4021OLS1/H4021OLS2
Grade level 9–12. One semester each.
Prerequisite: None.

This is an online course. Students begin to learn to communicate orally and in written form. They learn to understand and produce simple expressions and are introduced to the cultures of Spanish speaking countries. The emphasis is placed on vocabulary development and simple grammar. Throughout the course students apply language skills to real-life communication. Students in this course learn to exchange information in simple terms. The main goal for this course is for students to progress towards a novice level ability in using Spanish in school and the community.

Spanish II (novice mid) .................................................. H4031
Grade level 9–12. Two semesters.
Prerequisite: Spanish I.

Students continue to expand upon oral and written communications through vocabulary building and grammar advancement. Students in this course learn to understand and produce simple language related to familiar topics. Students also continue to learn about the culture of the Spanish-speaking peoples. The goal of this course is for students to function at a novice-low level of proficiency, depending on their background and to begin to show signs of intermediate-low level of proficiency.

Spanish II (novice mid) Online . . . H4031OLS1/H4031OLS2
Grade level 9–12. One semester each.
Prerequisite: Spanish I.

Students continue to expand upon oral and written communications through vocabulary building and grammar advancement. Students in this online course learn to understand and produce simple language related to familiar topics. Students also continue to learn about the culture of the Spanish-speaking peoples. The goal of this course is for students to function at a novice-low level of proficiency, depending on their background, and to begin to show signs of intermediate-low level of proficiency.

Spanish III (novice high to intermediate low) ............ H4041
Grade level 9–12. Two semesters.
Prerequisite: Spanish II.

Students continue their development of communication skills. Increased emphasis is placed on responding to written and verbal input, as well as continued study of Spanish-speaking cultures. In this course students learn more complex grammar and continue to expand upon vocabulary acquisition in order to satisfy some survival needs and courtesy requirements. The main goal of this course is for students to progress towards an intermediate low level of proficiency.

Spanish III (novice high to intermediate low) Online . . . . . H4041OLS1/H4041OLS2
Grade level 9–12. One semester each.
Prerequisite: Spanish II.

Students continue their development of communication skills. Increased emphasis is placed on responding to written and verbal input, as well as continued study of Spanish-speaking cultures. In this online course students learn more complex grammar and continue to expand upon vocabulary acquisition in order to satisfy some survival needs and courtesy requirements. The main goal of this course is for students to progress towards an intermediate low level of proficiency.

Spanish IV (intermediate mid to intermediate high) .... H4051
Grade level 9–12. Two semesters.
Prerequisite: Spanish III.

Students will improve in oral and written communication through exposure to thematic/interdisciplinary study. Students will also be introduced to advanced grammar through contextual relevancy. The goal of this course is for students to be able to function at an intermediate mid to intermediate high proficiency level.

Spanish V (intermediate high to pre-advanced) ....... H4061
Grade level 9–12. Two semesters.
Prerequisite: Spanish IV.

Students continue their development of communication skills through various media, which may include literature, art, music, film, history or current events. The goal of this course is to meet the students desires to advance in their acquisition of communication skills, cultural understanding and personal growth.

Advanced Placement Spanish Language .......... H4071
(pre-advanced)
Grade level: 11–12. Two semesters.
Prerequisite: Spanish V, VI, native speaker or teacher recommendation.

The goal of this course is to prepare each student to take the annual AP Spanish Language Exam. Designed to provide students with an opportunity to develop their proficiency skills in comprehension, reading, writing and speaking at a much higher level, students will be challenged with written essays, impromptu and planned oral presentations, readings of a variety of texts and listening and viewing comprehension of oral texts.

Not all courses in this catalog will be offered at all schools at any one time.
AP Spanish Language Online ............................................. H4071LS1/H4071LS2
Grade level 11–12. One semester each.
Prerequisite: Spanish AP, V, VI, native speaker or teacher recommendation

The goal of this online course is to prepare each student to take the annual AP Spanish Language Exam. Designed to provide students with an opportunity to develop their proficiency skills in comprehension, reading, writing and speaking at a much higher level, students will be challenged with written essays, impromptu and planned oral presentations, readings of a variety of texts and listening and viewing comprehension of oral texts.

Spanish for Fluent Speakers I ....................................... H4090
(Intermediate low to intermediate high)
Grade level 9–12. Two semesters.
Prerequisite: Native speaker of Spanish.

Students who have already developed a high level of oral/aural language proficiency in Spanish will have an opportunity for more concentrated language development in Spanish through writing, vocabulary expansion and literature. This course will meet the specific needs of both English-speaking and Spanish-speaking students. Students whose second language is Spanish will be able to refine their literacy skills and communicate with native speakers. Students whose first language is Spanish will strengthen and refine their literacy skills, develop problem-solving skills and increase their self-esteem entirely in their primary language. The skills they develop will transfer to their acquisition of English as a second language.

Spanish for Fluent Speakers II ....................................... H4092
Grade level 10–12. Two semesters.
Prerequisite: Spanish for Fluent Speakers I or teacher recommendation.

This course builds on students' ability to use the basic communicative structures presented in SFS I. The course emphasizes continued vocabulary development and development of communicative functions to enhance oral communication skills.

SPANISH IMMERSION

Spanish Immersion: Vistas Juveniles del Mundo Hispano ............. H4094
(Intermediate low to intermediate high)
Grade level 9–12. Two semesters.
Prerequisite: Middle School Spanish Immersion or Spanish III or teacher recommendation.

This course is intended for grade 9 Spanish immersion students who are continuing from an ASD middle school Spanish immersion program. The focus is to advance students' language skills and content knowledge through themes of interest to young people. Through in-depth thematic study, students will compare and contrast various aspects of Hispanic culture with their own, and in turn, gain a better understanding of themselves and the world in which they live. Themes include families, ecology, immigration, heroes and leaders, myths and legends, and youth. This course is conducted exclusively in Spanish.

Spanish Immersion: Perspectivas Literarias .......................... H4065
(intermediate low to intermediate high)
Grade level 10–12. Two semesters.
Prerequisite: Spanish Immersion: Vistas Juveniles del Mundo Hispano, Spanish V or teacher recommendation.

This course is intended for students continuing in the Spanish immersion program and heritage Spanish speakers. Students will refine their Spanish language with an emphasis on literacy skills. Students read and discuss current and past authors' work that include various genres of literature including letter writing, poetry, drama, biography, autobiography, periodicals, journal writing, fiction narrative, non-fiction narrative and short story. This course is conducted exclusively in Spanish.

Spanish Immersion: Estudios Latinoamericanos ...................... H4096
(intermediate mid to pre-advanced)
Grade level 10–12. Two semesters.
Prerequisite: Spanish Immersion: Perspectivas Literarias, AP Spanish Language or Literature or teacher recommendation.

This course is an integrated study of Latin America and the Spanish language and is intended for students continuing in the ASD Spanish immersion programs. Students in this course will study historical and contemporary issues, including geography, political events, economics, cultural influences, movement and social change as primary perspectives for studying Latin America, its language and culture. Students will analyze and process primary source information in Spanish. Students will also reinforce and expand their skills in Spanish grammar, vocabulary and fluency through a content-integrated approach. This course is conducted exclusively in Spanish. This course may be taken for Spanish or social studies elective credit.

GENERAL ELECTIVES

Aide .............................................. H9090 (Teacher) H9200 (Office)
H9300 (Library) H9400 (Tutor)
Grade level 9–12. One semester.
Prerequisite: Instructor's permission.

Provides meaningful work experience in the field of education. A program will be established cooperatively with the student, the instructor and the department chairperson. The student aide program also provides experience in the following areas: office, guidance office, library and IMC, nurse's office, science labs and tutoring. The student may select the area of interest provided he or she has the approval of the appropriate staff member and the department chairperson. The student may select only one of the above areas in any given semester and may earn no more than one credit per year as a student aide.

AVID-Advancement Via Individual Determination ................. H9981
Grade level 9–12. One semester.
Prerequisite: 2.0-3.5 GPA, student/parent contract, one honors or AP class in schedule or willingness to take class.

The mission of the AVID class is to ensure that all students,
especially the least served student in the middle, will succeed in a rigorous curriculum, complete a rigorous college preparatory path, enter mainstream activities of the school, increase their enrollment in four-year colleges and become educated and responsible participants and leaders in a democratic society. AVID students are required to maintain an AVID binder, take Cornell notes in each class, take one college entrance exam each year, complete all homework assignments, commit to studying outside of school each day, participate in community service, attend school, be on time and behave as a good citizen. May be taken 8 times.

**Communicate 9–12 AC 1**

*H9982LS1*

Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designed to support students enrolled in a Life Skills 1 class using alternate curriculum to teach functional communication skills across settings; within school and community. Students will improve their academic, social and work related communication skills as addressed in the IEP. The course is repeatable for general elective credit.

**Communicate 9–12 AC 2**

*H9982LS2*

Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designed to support students enrolled in a Life Skills 2 class using alternate curriculum to teach functional communication skills across settings; within school and community. Students will improve their academic, social and work related communication skills as addressed in the IEP. The course is repeatable for general elective credit.

**Community Involvement**

*H9960*

Grade level 10–12. One semester. Online course, open enrollment.
Prerequisite: Active participation in a community service program, parental permission and instructor’s approval.

This course is designed to promote social and emotional learning for students involved in school-based community service while further developing their leadership and facilitation skills. Participating students will be expected to serve 60 hours of community service, attend 20 hours of facilitation training, complete reading response assignments, participate in a collaborative journaling and design and implement a service learning project. Since this is an open enrollment course, it is not a course that can be included for calculating eligibility or full-time student status. Students will have two consecutive semesters to complete all coursework to be eligible for a ½ elective credit. May be repeated 4 times.

**Independent Study**

Varies
Grade level 10–12. One semester.
Prerequisite: See Curriculum Principal for specific course numbers and forms. This applies to all subject areas.

The program in Independent Study is for the student who has the self-discipline and interest for work. Each student will design the course of study according to choice, interest, ability and intent in relation to the school’s philosophy and policies. Independent Study promotes self-reliance, initiative and intense inquiry without a structured classroom situation. It is available to any student who can meet the requirements for enrollment. Independent Study for credit, must be initiated by the student. The student should decide on a program to follow and write a project proposal which will include an outline or description of those items included in the Independent Study Course Proposal Form. Student must work under the direction of an in-house certificated teacher.

**Lead Facilitator for Transitions**

*H9413*

Grade level 9–12. One semester.
Prerequisite: Application required.

This is a class where students design and lead experientially-based lessons aimed at helping students who are new to their schools to transition successfully to their school and learn skills instrumental in aiding their future life transitions. The course may be repeated once for elective credit.

**Math Peer Tutor**

*H9402*

Grade level 11–12. One semester.
Prerequisite: Must have completed Algebra I and Geometry with a grade of A or B and must be recommended by their current math instructor or the math department chair.

The Math Peer Tutor will work under the guidance of the classroom teacher and work with students during their math class to help “fill in the gaps” that impede their math progress. The specific goals for the tutor are to provide the student enrolled in the math course a means for regaining control of their math performance and learning, encourage the math students to become intellectually independent and responsible learners and help the math students see the “big picture.” The course may be repeated four times for elective credit.

**Model Facilitator for Transitions**

*H9412*

Grade level 9–12. One semester.
Prerequisite: Application required. Successful completion of at least one semester of Lead Facilitator for Transitions class.

The purpose of this course is to provide further training and facilitation skills to those students who have shown exceptional leadership skills as Lead Facilitators for the Transitions class. These students design and lead experientially-based lessons and provide leadership to their fellow facilitators at a more advanced level. The course may be repeated once for elective credit.

**Mentorship**

*H9965*

Grade level 9–12. One semester.
Prerequisites: Certified gifted.

The student is paired with a professional or expert for a set period of time, to study special interests or to meet a need that is not provided for in the regular school program. An outline of activities will be arranged for each individual education plan. May be taken 8 times and either for pass/fail or a letter grade.

**Rifflery**

*H9780*

Grade level 9–12. Quarter/Semester
Prerequisite: Parental permission
General elective credit ONLY. Repeatable for credit.

National Rifle Association indoor qualification course of fire is used. Teaches prone, kneeling and standing position using an air rifle that is provided by the school.

**School Government**

*H9701*

Grade level 9–12. One year.
Prerequisite: Students who are elected to school government will be members of the class.
This course deals with the problems of government, specifically school government. The class will cover varied areas of social studies; government, economics, sociology and psychology. They will work in the area of establishing a more effective representative government of student bodies. May be taken 8 times.

Senior Strategies .......................... H8371
Grade level 11–12. One semester.
Prerequisite: None.
Academic Credit: 1/2 Elective.

The Senior Strategies course prepares students for independent living and responsibilities. Organizational skills, financial management, and consumer awareness will be developed. Students will develop portfolios, filing systems, budgets and plans for long term goals. An introduction to automobile expenses, housing contracts, healthy food decisions and career related skills will enhance the skills students will need for independent living as they leave their secondary schools. Students will have the opportunity to examine personal relationships, family decisions and responsibilities associated in these areas.

Student Technology Leader .................. H9511
Grade Level 9–12. One semester. Repeatable for credit
Prerequisite: none

GenYES is a student-centered research-based program for school-wide technology integration. GenYES students work with teachers in their building to design technology-infused lessons. The resulting collaboration provides the students with project-based learning and the teachers with on-site professional development. The GenYES program includes online tools that support student and teacher collaboration and a student-run help desk.

Study Skills 9–12 .......................... H9920SP
Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designated for students with an IEP. Students receive direct instruction in study skill strategies and assignments to reinforce the correct implementation of these skills. Students will also be offered time each day to work on their content area class work. This course may be counted for up to 1.0 English elective credit and then counted as general elective credits.

Work Experience ............................ H8990
Grade level 10–12. Four semesters maximum
Prerequisite: None.

Students may earn a ½ elective credit for every 112.5 hours they are employed at a supervised, approved site. (During the summer term, a student can earn 1.0 credit for 225 hours of work and 1.5 credits for 337.5 hours.) Hours are documented with pay stubs each time the student receives a pay check. Some additional paperwork and assignments are required. This is a great way to earn elective credit in school while you are earning money at work!

Work Experience 9–12 ...................... H9805SP
Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designated for students with an IEP. The work experience program will grant special education students credit for working and learning on the job. The program grants credit to students that are legally employed and earning a paycheck. Credit may also be granted to students that volunteer with a legitimate non-profit organization or government office. This course is repeatable and students can earn ½ general elective for every 112.5 hours worked. Hours are counted in a semester only and are not carried over from one semester to the next.

Work Experience 9–12 AC 1 ............... H9805LS1
Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designated as a transitional skills class for students with an IEP and enrolled in a Life Skills 1 program. Students will participate in individual and group activities designed to develop and increase vocational skills at the high school level. Emphasis will be on the vocational areas identified on the IEP. This course is repeatable for general elective credit.

Work Experience 9–12 AC 2 ............... H9805LS2
Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designated as a transitional skills class for students with an IEP and enrolled in a Life Skills 2 program. Students will participate in individual and group activities designed to develop and increase vocational skills at the high school level. Emphasis will be on the vocational areas identified on the IEP. This course is repeatable for general elective credit.

Work Experience Online .................. H9805OL
Grade level 10–12. One semester. Four semesters maximum.
Prerequisite: None.

Work Experience Online is a course that supports students who are employed at a supervised, approved site. Students may earn ½ credit for every 112.5 hours they are employed. 1.0 credit may be earned for 225 hours and 1.5 credits may be earned for 337.5 hours. Hours are documented with pay stubs. Additional paperwork and assignments are required.

Yearbook ..................................... H9671
Grade level 9–12. One year. No English credit.
Prerequisite: None.

This open elective course provides experience in design, preparation, production and finance of the school yearbook, with emphasis on photography, copy writing and layout. This course demands student responsibility in order to meet publisher’s deadlines. Students should expect to spend time outside class on this activity. The course may be offered through any department and does not grant English credit. Students may repeat Yearbook for general elective credit. May be taken 4 times.
English I Online .................. H0120OLS1/H0120OLS2
Grade level 9. Required. One semester each.
Prerequisite: None.

This online course incorporates an integrated approach to the teaching of reading and writing. Students read a variety of fiction and nonfiction world literature with an emphasis on literary analysis, including drawing inferences and analyzing main ideas. Students are taught the writing process and write in varying modes and for different purposes and audiences throughout the year. Grammar and vocabulary skills are integrated throughout each unit.

English II –
World Literature Online ........ H0122OLS1/H0122OLS2
Grade level 10. Required. One semester each.
Prerequisite: None.

This online course incorporates an integrated approach to the teaching of reading and writing with a focus on world literature. This full-year required course incorporates an integrated approach to the teaching of listening, speaking, reading and writing to meet the Common Core State Standards. Students read a variety of fiction and nonfiction world literature with an emphasis on literary analysis, including drawing inferences and analyzing main ideas; media presentations from a variety of perspectives; and dramatic interpretations from plays and excerpts. Students are taught writing process and write in varying modes and for different purposes and audiences throughout the year. Grammar and vocabulary skills are integrated throughout each unit. The fundamentals of formal speech, both to persuade and inform, are also important elements of this world literature course.

English III –
US Literature Online ............ H0124OLS1/H0124OLS2
Grade level 11. Required. One semester each.
Prerequisite: None

English III US Literature: This full-year online required course focuses on American literature and how it has helped shape our nation. Students will explore and study great literary works from throughout United States' history including Early American, Civil War, Great Depression and Civil Rights eras. In addition to reading a variety of rich fiction and informational texts, students will improve their writing, critical thinking, speaking, vocabulary, and grammar skills through lessons aligned to the Common Core State Standards. Sharpening their skills through performance tasks such as on demand and extended writing and formal and informal presentations will prepare students to achieve career and college readiness.

English IV Online ............. H0126OLS1/H0126OLS2
Grade level 12. Required. One semester each.
Prerequisite: None

English IV is a full year, 12th grade thematic online course including four units of study: Morality, Citizenship, Social Justice, and Nature & Environment. These universal themes are intended to engage students in the critical thinking they must practice to become active participants in their communities. The course meets the Common Core State Standards and focuses on American literature, including seminal U.S. political documents, and world literature, including Shakespeare and other important authors. As the culminating high school English course, the primary writing focus is on expository and argumentative writing, including researched arguments, multimedia presentations, and essays in the major patterns of exposition. Grammar and vocabulary are integrated with the reading, writing, speaking and listening content within each thematic unit in order to ensure instruction of all standards.

Advanced Placement Literature and Composition Online ........H0146OLS1/H0146OLS2
Grade level 11–12. One semester each.
Two semesters of this course will fulfill the composition credit required for graduation.
Prerequisite: None.

This is an online course. Advanced Placement Literature and Composition, a college level course, provides an in-depth study of several major literary works and prepares students for the AP Exam in Literature and Composition, a means of obtaining advanced placement in English at most colleges. Writing is an integral part of the course and exam, and writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. Reading in this course is both wide and deep, building upon the reading done in previous English courses. Students read works from several genres, including poetry and drama, and periods, from the sixteenth to the twenty-first century.

Advanced Placement Language and Composition Online ........H0245OLS1/H0245OLS2
Grade level 11–12. One semester each.
Two semesters of this course will fulfill the composition credit required for graduation.
Prerequisite: None.

This is an online course. Advanced Placement Language and Composition is a college level course that assists students in becoming skilled readers of literature and writers who compose for a variety of purposes. This course also prepares students for the AP Exam in Language and Composition, a means of obtaining advanced placement in English at most colleges. An intensive analysis of literature will develop students’ awareness of the use of language and influence their writing.

Gothic Literature Online .................. H0372OL
Grade level 9–12. One semester.
Prerequisite: None

From vampires to ghosts, these frightening stories have influenced fiction writers since the 18th century. This online course will focus on the major themes found in Gothic literature and demonstrate how the core writing drivers produce, for the reader, a thrilling psychological environment. Terror versus horror, the influence of the supernatural, and descriptions of the difference between good and evil are just a few of the themes presented. By the time students have completed this course, they will have
World Mythology Online ................. H0436OL
Grade level 11-12. One semester.
Prerequisite: None.
This is an online course. World Mythology examines the common elements found in myths from a variety of cultures, including the Middle East, Egypt, Africa, Asia, Northern Europe, and the Americas. Students will read ancient texts, plays, epics, poetry and contemporary literature containing allusions to world myths. Topics of study will include the historical and theoretical basis of myths and archetypes, including creation, heroes, monsters, tricksters, and quests. World Mythology will include extensive reading, discussion, creative and analytical writing.

MATH

Algebra Readiness Online .................. H13440L
Grade level 9-12. One semester.
Prerequisite: This online course can not be taken by students who have successfully completed Pre-Algebra, Survey of Algebra or Algebra A or B, or Algebra I or any higher level math course.

This online course is designed to prepare students for success in an algebra course. The emphasis will be on continued development of pattern recognition, computational skills, elementary algebra topics, and the use of technology.

Algebra A Online ............. H13450LS1/ H13450LS2
Grade level 9-11. One semester each.
Prerequisite: First semester enrollment requires at least one of the following:
1. A grade of “C” or better in 8th grade math.
2. A grade of “C” or better in Pre-Algebra.
3. Recommendation or approval of student’s most recent math instructor or math department chairperson.

The student can NOT have earned credit for the first semester of Algebra A or any higher level math class. The prerequisite for the second semester of Algebra A is the successful completion of the first semester or consent of instructor or math department chairperson.

This online course reviews and extends problem solving, data analysis, the use of technology (i.e., scientific calculator, graphing calculator, computer), the theory, use and understanding of the fundamental operations on real numbers, expressing quantitative statements in the language of algebra, solving equations and inequalities, polynomials, the use of rational expressions in equations, coordinate graphing, irrational numbers, solution of quadratic equations and related applications.

Algebra B Online ........... H13470LS1/ H13470LS2
Grade level 10-12. One semester each.
Prerequisite: First semester enrollment requires at least one of the following:
1. A grade of “C” or better in 8th grade math.
2. A grade of “C” or better in Pre-Algebra.
3. Recommendation or approval of student’s most recent math instructor or math department chairperson.

The student can NOT have earned credit for the second semester of Algebra B if any higher level math class. The prerequisite for the second semester of Algebra B is the successful completion of the first semester or consent of instructor or math department chairperson.

Algebra I Online ............ H13520LS1/ H13520LS2
Grade level 9-12. One semester each.
Prerequisite: First semester enrollment requires at least one of the following:
1. A grade of “C” or better in 8th grade math.
2. A grade of “C” or better in Pre-Algebra.
3. Recommendation or approval of student’s most recent math instructor or math department chairperson.

The prerequisite for the second semester of Algebra I is the successful completion of the first semester or consent of instructor or math department chairperson. Students who have successfully completed Algebra B or Survey of Algebra can NOT take Algebra I.

This online course reviews and extends problem solving, data analysis, the use of technology (i.e., scientific calculator, graphing calculator, computer), the theory, use and understanding of the fundamental operations on real numbers, expressing quantitative statements in the language of algebra, solving equations and inequalities, polynomials, the use of rational expressions in equations, coordinate graphing, irrational numbers, solution of quadratic equations and related applications.

Algebra II Online ............. H13770LS1/ H13770LS2
Grade level 9-12. One semester each.
Prerequisite: A grade of “C” or better in Algebra I and Geometry or consent of previous mathematics instructor and/or math department chairperson. The prerequisite for the second semester of Algebra II is the successful completion of the first semester or consent of instructor and/or math department chairperson.

This online course includes problem solving, data analysis, the use of technology (i.e., graphing calculator, computer), basic operations with polynomials, solving equations and inequalities, sequences and series, relations and functions, systems of equations in two and three variables, matrices, irrational and complex numbers through the solution of quadratic functions and polynomial functions of higher than first degree and an introduction to logarithms.

Geometry Online .............. H15020LS1/ H15020LS2
Grade level 9-12. One semester each.
Prerequisite: A grade of “C” or better in Algebra I or consent of previous mathematics instructor or math department chairperson.

The prerequisite for the second semester of Geometry is the successful completion of the first semester or consent of instructor or math department chairperson.

Approved by NCAA

This online course covers the study of plane and three dimensional geometry with emphasis on clarity and precision of
language and the logical development of geometric principles in deductive reasoning and proof including work with points, lines, planes, angles, congruent triangles, circles, polygons and transformations.

**Pre-Calculus with Trigonometry Online**

Grade level 10–12. One semester each.

Prerequisite: A grade of “B” or better in Geometry and Algebra II or permission of previous mathematics instructor or math department chairperson. The prerequisite for the second semester of Pre-calculus with Trig is the successful completion of the first semester or consent of instructor or math department chairperson.

This online course covers logarithmic and exponential functions, analytic geometry, introduction to limits and the derivative, sequences and series, circular and trigonometric functions, graphs, laws, identities, inverses and their applications, vectors and complex numbers. The emphasis of this course is on the concepts that build toward understanding calculus. It will follow an applications approach and use graphing calculators and other appropriate technology.

**AP Computer Science**

Grade level: 11-12. One semester each.

Prerequisite: Algebra II

This online AP Computer Science is a year-long introductory college-level course which covers the basics of Java in two semesters and is geared specifically toward high school students who plan to take the AP Computer Science A exam. This class is open to 11th and 12th graders who have successfully completed Algebra II.

**Advanced Placement Statistics Online**

Grade level 11–12. One semester each.

Prerequisite: First semester enrollment requires a grade of “B” or better in Algebra II. The prerequisite for the second semester of AP Statistics is the successful completion (“C” or better) of the first semester or the consent of the instructor or math department chairperson.

The purpose of this online course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students will be expected to be able to use appropriate technology to interpret data and will be expected to be able to communicate their results in an understandable form.

**Advanced Placement Calculus AB Online**

Grade level 11–12. One semester each.

Prerequisite: “B” or better in Pre-Calculus and Algebra II or consent of the previous mathematics instructor or math department chairperson.

This online course includes the study of functions and graphs, derivatives and their application, analytic geometry, limits and continuity and includes the use of current technology.

**AP Calculus BC Online**

Grade level 11–12. One semester each.

Prerequisite: “B” or better in AP Calculus AB; a 3 or higher on the AP Calc AB test; or consent of the Calculus BC instructor or math department chairperson.

As with other courses designated with Advanced Placement, this online course is introductory college level material. The student is expected to meet this college level workload to be successful. This course includes the study of functions and graphs, derivatives and their application, analytical geometry, limits and continuity, integrals, parametric equations, polar functions and vector analysis. Additional techniques and applications for differentiation and integration will be developed. Polynomial approximations will be explored through the Maclaurin and Taylor Series. Convergence and divergence of sequences and series will be investigated. Appropriate technology will be incorporated throughout the course.

**SCIENCE**

**Astronomy Online**

Grade level 10–12. One semester. Physical science.

Prerequisite: None.

This online course is designed to build a coherent understanding of the earth-space relationship. Emphasis will be towards the development of astronomical concepts such as planetary motion, structure of galaxies and various theories of the formation of the universe. Course includes the use of various astronomical instruments.

**Biology I Online**

Grade level 9–12. One semester each. Life science

Prerequisite: Grade 10-12: none. Grade 9: 3.5 GPA in 8th grade core subjects, Algebra I and teacher recommendation.

The basic biology course and prerequisite for all biology electives. This online course will include a study of the chemical basis of life such as the cellular processes of respiration, photosynthesis, diffusion and osmosis. Cell division, DNA and enzyme action will also be covered. The course also includes an extensive treatment of introductory botany, zoology, ecology and genetics.

**Earth Sciences Online**

Grade level 10–12. One semester. Physical science.

Prerequisite: None.

This online course is a survey of the various branches of sciences concerning the earth. The student has the opportunity to explore a wide variety of topics such as oceanography, historical geology, rock and mineral identification, astronomy, physical geology, meteorology, composition and formation of the formations of the early and various geological processes of change. This course is not open to students who have successfully completed Geology I.

**Forensic Science I Online**

Grade level 10–12. One semester. Life or physical science

Prerequisite: Biology I required, Chemistry I recommended.

This online course focuses on various aspects of forensic science and modern criminal investigation analysis. It integrates biology, geology, physics, chemistry, anatomy, medical sciences and critical thinking skills. Topics include structures and functions of the human body, processing a crime scene, physical evidence, questioned documents, serology and pathology. In
addition, the course may cover selected topics in toxicology, drug and alcohol abuse, odontology, entomology, forensic art, terrorist and disaster response and emergency medical procedures.

**Forensic Science II Online**

- Grade level 10–12. One semester. Life or physical science
- **Prerequisite:** Biology I required, Chemistry I recommended.

   This online course follows Forensic Science I. It focuses on various aspects of forensic science and modern criminal investigation analysis. It integrates biology, geology, physics, chemistry, anatomy, medical sciences and critical thinking skills. Topics include DNA analysis, textiles, trace evidence, firearms, tool marks and arson investigation. In addition, the course may cover selected topics in toxicology, drug and alcohol abuse, odontology, entomology, forensic art, terrorist and disaster response and emergency medical procedures.

**Marine Science, Biology Online**

- Grade level 10–12. One semester. Life science
- **Prerequisite:** Biology I.

   This online course is a study of marine life found on shores, in bays, estuaries, intertidal zones and in ocean depths. The commercial and environmental importance of various forms of marine life will also be examined.

**Physical Sciences Online**

- Grade level 10–12. One semester. Physical science.
- **Prerequisite:** None.

   This online course is a very basic introduction to physical science that will stress the general principles of chemistry and physics. The basic physics section will include emphasis in simple machines, basic electricity and the various forms of energy. The chemistry section will cover matter, mixtures and compounds. The student will be presented with the practical side of physical science that emphasizes the everyday uses of physics and chemistry.

**SOCIAL STUDIES**

**World History Online**

- (Circa 500 BC-AD 1800) . . . . . . . . . . H3315OLS1/H3315OLS2
- Grade level 10. Required. One semester each.
- **Prerequisite:** None.

   This online course provides a study of world history. Included in the first semester are the geographic regions of Greece, Rome, India, The Far East, China, Japan, Korea, and Africa. Geography, humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored. Included in the second semester are the geographic regions of the Middle East, ancient Americas, Byzantium, and Europe. Geography, humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored.

**US History Online**

- H3317OLS1/H3317OLS2
- Grade level 11. Required. One semester each.
- **Prerequisite:** None.

   This online course provides the study of United States history with some integration of world history. Historiography, geography, economics, government, humanities, sociology, religions, philosophy, science, and technology are some of the themes/perspectives by which US history will be examined. The first semester will investigate/explore the American experience through the post WWI era (roaring twenties) and the beginning of the Great Depression. The second semester will investigate/explore the American experience from the Great Depression through contemporary America.

**Advanced Placement**

**US History Online**

- H3023OLS1/H3023OLS2
- Grade level 11–12. One semester each.
- **Prerequisite:** None.

   One full year meets the one semester social studies elective requirement and earns an additional one semester general elective requirement or one full year meets the US History requirement.

   This online course is designed to challenge the ambitious student who has the ability and interest in American history and is capable of doing lower division college level work. The purposes of this course are to provide a much more intensive study of the United States history and preparation for the advanced placement test in this field.

**United States Government Online**

- H3075OL
- Grade level 12. Required. One semester.
- **Prerequisite:** None.

   This online course is designed to teach students economics concepts and principles and to introduce them to important economic institutions. Students will learn to apply economic reasoning to their lives as citizens, consumers, workers and producers.
Advanced Placement Economics, Micro Online ......................... H3083OL
Grade level 11–12. One semester.
Prerequisite: None
Taking both Macro and Micro Economics meets both the economics and social studies elective requirement.

This is a college-level online course divided into two sections; it is designed to prepare students for the Advanced Placement test.

Microeconomics provides students with a thorough understanding of the principles of economics that apply to the functions of individual decision makers, consumers and producers. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government.

Advanced Placement Economics, Macro Online ........................ H3084OL
Grade level 11–12. One semester.
Prerequisite: None
Taking both Macro and Micro Economics meets both the economics and social studies elective requirement.

This is a college-level online course divided into two sections; it is designed to prepare students for the Advanced Placement test.

Macroeconomics provides students with a thorough understanding of the principles of economics that apply to an economic system as a whole. It places emphasis on the study of national income and price determination and also develops familiarity with economic performance measures, economic growth and international economics.

Alaska Studies Online ............................. H3110OL
Grade level 9–12. Required. One semester.
Prerequisite: None.

Alaska Studies is an online in-depth exploration of the rich geographic and cultural background of the state and its people from the early native peoples to the Russian era through statehood to the present. This course includes examination of the geography, history and the political and economic forces that have shaped contemporary Alaska. Content is organized around five themes: population, land, resource, governance and cultural landscape. The course seeks to ensure that students have a strong foundation in the historic and cultural contexts of issues facing the state so they will develop a broad sense of community and strengthen skills that will encourage thoughtful consideration of issues and choices facing Alaska.

SOCIAL STUDIES ELECTIVES

Criminology Online ............................. H3615OL
Grade level 11–12. One semester.
Prerequisite: None.

Criminology is a study in the nature and causes of crime, its control and related punishment issues. Students will explore online why people become criminals, how we control criminals and how crime affects young people. Sample questions include: What are common crimes? How do juvenile crime patterns compare with adult? What are the different types of crimes? How do we police? What is organized crime? How does a citizen become part of the solution? How are property crime patterns different from violent crime patterns?

Law Studies Online ............................. H3625OL
Grade level 11–12. One semester.
Prerequisite: None.

Law Studies is the place to discover how the legal system works. This online course aids students in applying legal principles and procedures. Sample questions that will be examined include: What rights do individuals have? What are the major types of law? Why do we have an adversarial system? How well will students do in court? How do we make justice happen?

Psychology 1 Online ............................. H3685OL
Grade level 11–12. One semester.
Prerequisite: None.

This is an online course. Psychology is the scientific study of human behavior from early childhood through old age. Students will explore how an organism's physical state, mental state and external environment affect behavior and the mental processes. Sample topics include: how people learn, think, feel and behave, how developmental stages are important in the human life cycle, how self-concept is developed through relationships with parents, peers and culture, and how brain functions are affected by environmental conditions.

Advanced Placement Psychology Online .......................... H3687OLS1/ H3687OLS2
Grade level 11–12. One semester each.
Prerequisite: None.

This year-long online course is designed to introduce the highly motivated student to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are introduced to the psychological facts, principles and phenomenon associated with each of the major sub-fields within psychology. They also learn about the methods psychologists use in their science and practice. Topics include: the history of psychology, contemporary approaches to behavior, how to understand one's own behavior, strategies for dealing with life experiences and how to apply psychological principles to society.

Sociology Online ............................. H3045OL
Grade level 11–12. One semester.
Prerequisite: None.

Sociology is the study of how human behavior is shaped by the groups to which we belong. In this online course students will examine patterns of social life, make predictions about behavior and investigate other cultures. Sample questions in Sociology include: What roles do families play? What role does money play in creating groups in society? How do schools and other social institutions shape human behavior? Why do people join gangs?

WORLD LANGUAGES

French I (novice low) Online .......................... H4421OLS1/H4421OLS2
Grade level 9–12. One semester each.
Prerequisite: None

Students learn to exchange information in simple terms about
topics relating to themselves, their family and their leisure activities in French. They will be introduced to the culture of French-speaking countries and regions. The emphasis is on vocabulary development and elementary grammatical structures. The main goal of this course is to progress toward a novice-level ability in using French in school and the community.

French II (novice mid)
Online .......................... H4431OLS1/H4431OLS2
Grade level 9–12. One semester each.
Prerequisite: French I

Building on what was learned in Level I, students expand their ability to speak, read, write and listen in French. The emphasis is on continued vocabulary development and the acquisition of additional simple grammatical structure. There will be many opportunities to converse and write stories in French about familiar topics. Students begin applying their French language skills to communicate in basic real-life situations. They also continue to learn about the culture of French-speaking people. The goal of this course is for students to function at a mid-novice to high-novice level of proficiency.

French III (novice high to intermediate low)
Online .......................... H4441OLS1/H4441OLS2
Grade level 9–12. One semester each.
Prerequisite: French II

Students exchange information and begin to share opinions about themselves, their school and community in this online class. They expand their vocabulary and learn increasingly complex grammatical structures needed for more sophisticated communication. Students use technology and media to gather cultural information and learn about current events. This course is tailored to the low intermediate level of proficiency in French.

Advanced Placement French Language (pre-advanced)
Online .......................... H4471OLS1/H4471OLS2
Grade level 11–12. Two semesters.
Prerequisite: French IV, V, or teacher recommendation.

The goal of this online course is to prepare each student to take the annual AP French Language exam. Designed to provide students with an opportunity to develop their proficiency skills in comprehension, reading, writing and speaking at a higher level, students will be challenged with written essays, impromptu and planned oral presentations, readings of a variety of texts and listening and viewing comprehension of oral texts.

German I Online (novice low) .... H4221OLS1/H4221OLS2
Grade level 9–12. Two semesters.
Prerequisite: None.

This online course is an introduction to the German language and culture. The emphasis is on listening with understanding, speaking with clarity, reading and writing. Instruction begins with situation dialogues. Deductive analysis is used to lead to grammatical principles, but the emphasis is on vocabulary development. Students in their course learn to exchange information in simple terms about every day experiences. Students identify the countries where German is spoken, as well as current events in those countries.

German II (novice low to novice high)
Online .......................... H4230OLS1/H4230OLS2
Grade level 9–12. Two semesters.
Prerequisite: German I.

This online course emphasizes further vocabulary development and includes increased writing practice. Additional points of grammar are introduced. Students give oral reports and refine their discussions of their daily lives. Students continue to learn about the culture of the German people, which may include famous figures from history as well as aspects of modern life in Germany, which could include sports or entertainment personalities and popular pastimes. Current events in the German speaking world are discussed.

Latin I Online .......................... H4821OLS1/H4821OLS2
Grade level 9–12. Two semesters.
Prerequisite: None.

This online course is designed to introduce the beginning student to the Latin language and Roman culture. The course focuses on the development of reading comprehension. Vocabulary and grammar are studied in the context of reading passages into which cultural information has been integrated. Students learn to pronounce Latin according to accepted convention and simple oral Latin is used to aid students in comprehension. Students will gain some understanding of the effect of Roman civilization on the western world. Word derivations and Latin word elements are also studied to expand the student’s vocabulary.

Latin II Online .......................... H4830OLS1/H4830OLS2
Grade level 9–12. Two semesters.
Prerequisite: Latin I.

The emphasis of Online Latin II is to continue the development of reading and comprehension skills and the acquisition of a deeper understanding of the similarities and differences between the Roman world and our own. New vocabulary and more grammatical structures are learned as the reading progresses to longer and more complicated passages. Oral Latin is used to help students understand reading selections. The study of Latin word elements continues.

Mandarin Chinese I Online
(novice low to novice mid) .......................... H4321OLS1/H4321OLS2
Grade level 9–12. Two semesters.
Prerequisite: None.

The emphasis of this online course is on the ability to communicate orally, emphasizing vocabulary development and basic language functions. Students will use the language to exchange information about topics relating to themselves, their families and leisure activities. Students will learn basic radicals and stroke order in writing and be introduced to Chinese culture.

Mandarin Chinese II Online
(novice high) .......................... H4323OLS1/H4323OLS2
Grade level 9–12. Two semesters.
Prerequisite: Mandarin Chinese I.

This online course builds on the study of basic vocabulary and grammatical structures from Chinese I. Students will transfer from dependence on the romanized system, pinyin, to reading
and writing the Chinese characters. Students will initiate and sustain short conversations on simple topics in everyday situations, recognize future and past references and speak the language with increased confidence and clearer articulation. Chinese customs, beliefs and aspects of contemporary and traditional culture are also integrated throughout this course.

Spanish I (novice low) Online . . . H4021OLS1/H4021OLS2
Grade level 9–12. One semester each.
Prerequisite: None.

This is an online course. Students begin to learn to communicate orally and in written form. They learn to understand and produce simple expressions and are introduced to the cultures of Spanish-speaking countries. The emphasis is placed on vocabulary development and simple grammar. Throughout the course students apply language skills to real-life communication. Students in this course learn to exchange information in simple terms. The main goal for this course is for students to progress towards a novice level ability in using Spanish in school and the community.

Spanish I (novice mid) Online . . . H4031OLS1/H4031OLS2
Grade level 9–12. One semester each.
Prerequisite: Spanish I.

Students continue to expand upon oral and written communications through vocabulary building and grammar advancement. Students in this online course learn to understand and produce simple language related to familiar topics. Students also continue to learn about the culture of the Spanish-speaking peoples. The goal of this course is for students to function at a novice-mid level of proficiency, depending on their background, and to begin to show signs of intermediate-low level of proficiency.

Spanish III (novice high to intermediate low)
Online ................. H4041OLS1/H4041OLS2
Grade level 9–12. One semester each.
Prerequisite: Spanish II.

Students continue their development of communication skills. Increased emphasis is placed on responding to written and verbal input, as well as continued study of Spanish-speaking cultures. In this online course students learn more complex grammar and continue to expand upon vocabulary acquisition in order to satisfy some survival needs and courtesy requirements. The main goal of this course is for students to progress towards an intermediate low level of proficiency.

Advanced Placement Spanish Language
Online ..................... H4071OLS1/H4071OLS2
Grade level 11–12 . One semester each.
Prerequisite: Spanish AP, V, VI, native speaker or teacher recommendation

The goal of this online course is to prepare each student to take the annual AP Spanish Language Exam. Designed to provide students with an opportunity to develop their proficiency skills in comprehension, reading, writing and speaking at a much higher level, students will be challenged with written essays, impromptu and planned oral presentations, readings of a variety of texts and listening and viewing comprehension of oral texts.

GENERAL ELECTIVES

Health Opportunities Through PE Online . . . . H6110OL
Grade level 9–12. One semester.
Prerequisite: None

This online course will challenge students to become educated consumers, learn to manage stress, choose nutritious foods, make healthy lifestyle choices, be an effective member of a team and influence others in their community in a positive way. Students will have the opportunity to experience many benefits of regular physical activity, proper nutrition, and sound decision-making. Topics covered include wellness, mental health, media literacy/consumer health, fitness components, nutrition, disease prevention, drug awareness, sexuality education, CPR and decision-making skills.

Individual Recreational Activities Online . . . . . H6666OL
Grade level 9–12. One semester.
Prerequisite: None. Lifetime Activity Course.

This online course will offer students a variety of recreational activities in which they can participate on an individual basis and learn skills applicable for a lifetime. Activities may include, but are not limited to, in-line skating, cross-country skiing, snowshoeing, frisbee, power walking, ice skating, jogging, orienteering and biking. Safety equipment as well as equipment appropriate for each activity will be required and must be furnished by each student. Repeatable unlimited times.

Lifetime Personal Fitness Online .................... H6380OL
Grade level 9–12. One semester.
Prerequisite: None.

The purpose of this online course is to promote the development and maintenance of personal fitness. It is conceptually based and focuses on healthy living and lifestyle choices, with particular emphasis on the role of exercise and physical activity including nontraditional and noncompetitive activities. Course content includes fitness assessment, regular physical activity, and fitness concepts and lectures based on the value and benefits of exercise in daily living. In addition to setting and working toward personal fitness goals, students have opportunities to practice positive social skills as they gain an understanding of how a wellness lifestyle affects the quality of life.

Work Experience Online ......................... H9805OL
Grade level 10–12. One semester. Four semesters maximum.
Prerequisite: None.

Work Experience Online is a course that supports students who are employed at a supervised, approved site. Students may earn ½ credit for every 112.5 hours they are employed. 1.0 credit may be earned for 225 hours and 1.5 credits may be earned for 337.5 hours. Hours are documented with pay stubs. Additional paperwork and assignments are required.
ASD Mathematics Graduation Requirements

Graduation requirements are obtained by successfully completing three math credits and fulfilling the one-credit Algebra requirement.

Options to satisfy the one-credit Algebra requirement

- Algebra I, S1-2
- Algebra B, S1-2
- Survey of Algebra, S1-2

After the algebra requirement is fulfilled, students may choose courses to complete their three credits and to seek additional credits. See ASD High School Program of Studies for a description and prerequisite of each course.

The following courses are for students who seek credit recovery or additional elective credit required for graduation. Counselor and/or administrator approval is required.

- Pre-Algebra
- Algebra A
- Geometry
- Informal Geometry
- Algebra II
- Integrated Math
- PreCalculus w/Trig
- AP Statistics
- Adv Alg, Stat, Trig
- AP Calculus AB
- AP Calculus BC
- AP Calculus C
- AP Statistics
- APEX
- Credit Recovery
- Online Courses
Lifetime Personal Fitness

LPF course at High School

- Counselor enrolls student in course
- Student takes LPF on site
- Pass
- Fail

or

LPF On-line

- Counselor enrolls student in course
- Student takes LPF on-line
- Pass
- Fail

or

K-Waivers and Computerized version of the written test taken at H.S.

- Two K-Waivers (Participation in two seasons of ASAA sanctioned extracurricular sports within ASD) to waive the physical portion only
- Student takes computerized test at their High School
- Pass
- Fail

or

LPF Complete Test-Out (Physical and written portions)

- Counselor provides student with registration packet
- Student fills out Registration form and hands it into P.E. teacher
- Student practices with P.E. teacher and studies for written test
- Student brings signed Registration form to Test-Out
- Student completes ALL components of the physical and written test
- Pass
- Fail

Pass

Student has fulfilled LPF requirement for graduation

Partial Pass

Student retakes only the failed portions of the physical test on another Test-Out date. Failed written test may be retaken at their HS using the computerized version.

Fail
Appendix B

Alaska School Activities Association (www.ASAA.org) Eligibility for Sports and Activities

Conditions of Student Participation

A. ELIGIBILITY RULES

1. Athletes must meet all eligibility requirements of the Anchorage School district and the Alaska State Activities Association (ASAA).
2. Violation of the eligibility rules shall result in denial of participation.

B. DENIAL OF PARTICIPATION

1. An athlete who is removed from a team for disciplinary reasons will not be eligible to practice or play another sport during the season of that sport.
2. An athlete who is suspended out of school for any reason will not be eligible to practice or play any sport during the period of suspension. A suspension ends at midnight of the final day of the suspension.
3. Any sanction imposed under these Conditions of Participation is separate and distinct from any sanction which may be proposed for violation of any other school disciplinary requirement.
4. During an appeal process the student shall not participate in the group’s activities until the appeal process is completed.

C. DENIAL OF PARTICIPATION FROM TEAM ACTIVITIES FOR SPECIFIC CIRCUMSTANCES

1. A student athlete who is truant for one or more classes, or who is in attendance for less than half of his or her scheduled classes during school day cannot practice or play on that day without principal permission. Students in violation will be suspended for two games on the first offense, removed from the team on the second offense.
2. Equipment issued to an athlete is his/her responsibility for return or replacement. If the equipment is not returned, replaced or paid for, no letter shall be awarded nor shall the student be permitted to participate in any sport.
3. Denial from participating with the team for a period of time to be determined by coach/principal/and District administrators may result from the following:
   a. Insubordination
   b. Obscene gestures; swearing
   c. Provocation
   d. Fighting
   e. Stealing/Theft
   f. Hazing/Initiation
   g. Other disciplinary situations which may arise
4. With administrative approval, the coach may establish additional participation rules.

D. THE COMPLETE TOBACCO, ALCOHOL AND CONTROLLED SUBSTANCES (TAD) POLICY FOLLOWS.

Time period during which policy applies

The policy in this section applies to any student who is participating or has participated in interscholastic activities starting from the students’ first participation in interscholastic activities, including formal practices which precede interscholastic competition after the initial signing of the Student/Parent/Legal Guardian (TAD) Acknowledgement Form, at any ASAA member school, and continuing until the student graduates from high school.

Students sanctioned under the TAD guidelines must complete ASAA education component before returning to play. Violations of this policy are cumulative and progressive throughout a student’s high school years.

TOBACCO RULES—Violations of tobacco rules cumulative throughout school year. Students who violate the tobacco rules will be subject to the following sanctions:

a. FIRST OFFENSE FOR POSSESSION OR USE—Suspension in accordance with Anchorage School District Regulations. Loss of practice and athletic participation for ten calendar days. Fifty percent of the suspension will be forgiven and the student may return to practice if the student and parent/guardian complete the ASAA First Offense educational component.

b. SECOND OFFENSE FOR POSSESSION OR USE—Loss of practice and athletic participation for forty-five calendar days.

c. Students who violate the tobacco rules while under school jurisdiction are subject to suspension in accordance with Anchorage School District regulations and cannot participate during the length of the suspension.

DISTRIBUTING, OR ATTEMPTING TO SELL—Suspension in accordance with Anchorage School District Regulations—Loss of practice and athletic participation during the suspension or alternative placement.

E. DRUG/ALCOHOL RULES—The actual or attempted sale of, use of, possession of tobacco, alcohol, inhalants, illegal drugs, substances designed to look like illegal drugs, substances purported to be illegal drugs, or drug paraphernalia shall subject the athlete to loss of practice and athletic participation.

Under School Jurisdiction

Students who violate the drug/alcohol rules will be subject to:

a. FIRST OFFENSE FOR POSSESSION OR USE—Suspension in accordance with Anchorage School District Regulations. Loss of practice and athletic participation will be forgiven and the student may return to practice if the student and parent/guardian complete the ASAA First Offense educational component.

b. SECOND OFFENSE FOR POSSESSION OR USE, OR FIRST OFFENSE FOR SELLING, DISTRIBUTING, OR ATTEMPTING TO SELL—Suspension or alternative placement in accordance with Anchorage School District Regulations—Loss of practice and athletic participation during the suspension or alternative placement.

Not Under School Jurisdiction

Students who violate the drug/alcohol rules while not under school jurisdiction:

a. FIRST OFFENSE FOR POSSESSION OR USE—Loss of practice and athletic participation for ten calendar days. Fifty percent of the suspension from athletic participation will be forgiven and the student may return to practice if the student and parent/guardian complete the ASAA First Offense educational component.
b. **SECOND OFFENSE FOR POSSESSION OR USE, OR FIRST OFFENSE FOR SELLING, DISTRIBUTING, OR ATTEMPTING TO SELL**—Loss of practice and athletic participation for a minimum of forty-five calendar days.

c. **THIRD OFFENSE FOR POSSESSION OR USE, OR SECOND OFFENSE FOR SELLING, DISTRIBUTING OR ATTEMPTING TO SELL**—Loss of eligibility for the duration of Anchorage School District attendance.

d. **CRIMINAL ACTS**—students who commit criminal acts as defined in the ASD Statement of Student's Rights and Responsibilities will be removed from the team for the remainder of the season.

The school will conduct an investigation independent of the Police.

2. The student may appeal the finding of the investigation to the school principal.

3. The student shall not participate in the team's activities until the appeal process is completed.

**Denial of Participation**

The following regulations shall be observed in the administration of the extracurricular activity program. All students are expected to comply with local, state and federal laws and the rules and regulations of the Anchorage School District. In all cases the Superintendent or designee retains the right to review and revise any disciplinary action.

A. General

1. The Anchorage School District Conditions of Participation shall apply to all athletic teams, music groups and clubs. In addition to these general rules each advisor or coach may develop specific rules for his/her particular group or team. These rules must be on file in the Athletic Director's office. Students are to be notified in writing of both general rules and the group's specific rules by the coach or advisor.

2. The group's advisor or coach must administer reasonable disciplinary action of violation of these rules including suspension from the activity for a temporary period or removal from the activity altogether.

3. Violation of athletic, music or club general rules may result immediately in suspension or removal from the group by the advisor or coach. In these violations the advisor/coach must follow the procedures as outlined in B and C below.

4. Violation of the advisor's or coach's specific rules may result in suspension from the team only; however, before denying participation in the activity, the advisor should communicate with parents, discuss the situation with the student and administer other appropriate disciplinary action.

5. In all cases, the Superintendent or designee retains the right to review and revise any disciplinary action.

B. Temporary denial of participation

1. Temporary denial is defined as any suspension less than a permanent denial of participation.

2. When an advisor/coach/administrator intends to deny participation of a student in an activity or team for disciplinary purposes for violations of the Conditions of Participation, the coach or advisor shall submit specific and complete details of the proposed disciplinary action to the principal. The principal shall notify the office of Secondary Education. The proposed action shall be reviewed by the principal and Secondary Education prior to the imposition of the sanction.

3. When an advisor or coach denies participation of a student in an activity group, the student must be informed of the intended action. It is then the responsibility of the advisor/coach/administrator to discuss the situation with the student and then determine whether or not to deny the student participation. If the student is denied participation, the advisor/coach must complete form 1-DP.

4. The student may appeal the denial of participation within 24 hours of the action to an activities appeal board.

5. The activities appeal board consists of the high school assistant principal in charge of activities, athletic director, or representative of the athletic/activity program, one teacher, and two students.

Such appeal must be conducted within 24 hours after the appeal is received, unless by mutual agreement there is an extension in the time period.

6. Procedures for conducting the appeal hearing are as follows:

   a. The assistant principal shall serve as chairperson of the appeals committee.

   b. The advisor/coach who is denying participation will present reasons for the denial.

   c. The student and/or parents may then present evidence or reasons why the student should not be denied participation.

   d. The student has the option of being represented at the appeal hearing; however, the hearing is not a legal process.

   e. The appeal board shall make its decision with 24 hours of the hearing to either uphold, modify or repeal the denial of participation.

   f. During the appeal process the student shall not participate in the group's activities.

   g. The decision of the appeal board will be based upon generally accepted parliamentary procedures with a majority vote of the members of the appeal board necessary to take action.

   h. The appeal board is responsible for notifying the student in writing of its decision and the reason for the decision.

   i. There is not provision for appeal beyond the appeal board in the case of a temporary denial of participation in an extracurricular activity.

   j. The decision of the principal represents the conclusion of the appeal process.

C. Permanent denial of participation

1. When an advisor/coach/administrator intends to deny participation of a student in an activity or team for disciplinary purposes for violations of the Conditions of Participation, the coach or advisor shall submit specific and complete details of the proposed disciplinary action to the principal. The principal shall notify the office of Secondary Education. The proposed action shall be reviewed by the principal and Secondary Education prior to the imposition of the sanction.

2. If a student is to be permanently denied participation in
Changing Schools During A Sport Season:
A student may represent only one member school during a respective sport season. From the first day of practice, a student who participates in a sport at one school, and who subsequently transfers to another school, will not be eligible in that sport for the remainder of the current season.

See ASAA Handbook for rules governing the following:
Establishing Eligibility/Residency (See page 15 section A1c of this handbook)
Maximum Participation
Repeating Grades for Athletic Purposes
Recruiting/Undue Influence
Age Rule
Transfer/Residency Rule
Foreign Exchange Student
Citizenship Rule
Eligibility Lists for Interscholastic Competition

This is not a complete list of all eligibility rules and regulations. If you have questions, please contact your activities principal.

See ASAA manual for definition of a bona fide move of parents or guardian.

an activity, the advisor/coach shall notify the student in writing on form 2-DP.

3. The activities appeal board will then conduct a hearing with the coach and student, if the student or parents request a hearing concerning the possible permanent denial within 24 hours. If the student attends such hearing, the steps outlined in item B above shall be observed in conducting the appeal. However, at the conclusion of the hearing, the appeal board shall prepare a written recommendation to the building principal regarding the matter. It is then the responsibility of the unit principal to either uphold denial, modify the denial or reinstate the student to the activity.

4. The principal is responsible for evaluating the report of the appeal board and for rendering a decision within 24 hours after receipt of the report.

5. The principal shall then notify the student, the student advisor or coach, the appeal board and the superintendent of the decision in writing.

6. During this appeal process the student is denied participation in the activity until the appeal process is completed.

7. The decision of the principal represents the conclusion of the appeal process.

D. Administrative Review: In all cases the Superintendent or designee retains the right to review and revise any disciplinary action.
Division I Academic Requirements

College-bound student-athletes will need to meet the following academic requirements to practice, receive athletics scholarships, and/or compete during their first year.

### Core-Course Requirement

<table>
<thead>
<tr>
<th>Core Course Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete 16 core courses in the following areas:</td>
</tr>
<tr>
<td>- 4 years of English</td>
</tr>
<tr>
<td>- 3 years of math (Algebra I or higher)</td>
</tr>
<tr>
<td>- 2 years of natural/physical science (1 year of lab if offered)</td>
</tr>
<tr>
<td>- 1 year of additional English, math or natural/physical science</td>
</tr>
<tr>
<td>- 2 years of social science</td>
</tr>
<tr>
<td>- 4 years of additional courses (any area above, foreign language or comparative religion/philosophy)</td>
</tr>
</tbody>
</table>

### Full Qualifier

- Complete 16 core courses:
  - Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school
  - Seven of the 10 core courses must be in English, math, or science
- Earn a core-course GPA of at least 2.300
- Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see back page)
- Graduate high school

### Academic Redshirt

- Complete 16 core courses
- Earn a core-course GPA of at least 2.000
- Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see back page)
- Graduate high school

**Full Qualifier:** College-bound student-athletes may practice, compete and receive athletics scholarship during their first year of enrollment at an NCAA Division I school.

**Academic Redshirt:** College-bound student-athletes may receive athletics scholarships during their first year of enrollment and may practice during their first regular academic term but may NOT compete during their first year of enrollment.

**Nonqualifier:** College-bound student-athletes cannot practice, receive athletics scholarships or compete during their first year of enrollment at an NCAA Division I school.
Test Scores
When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 so your scores are sent directly to the NCAA Eligibility Center from the testing agency. Test scores on transcripts will not be used in your academic certification.

A combined SAT score is calculated by adding reading and math subscores. An ACT sum score is calculated by adding English, math, reading and science subscores. You may take the SAT or ACT an unlimited number of times before you enroll full time in college. If you take either test more than once, the best sub score from different tests are used to meet initial eligibility requirements.

If you take the current SAT before March 2016 and then take the redesigned SAT at a later date, the NCAA Eligibility Center will not combine section scores from the current and redesigned SAT when determining your initial eligibility. The NCAA Eligibility Center will only combine section scores from the same version of the test. Because the redesigned SAT varies in design and measures different academic concepts than the current SAT, a numerical score on the current test may not be equivalent to the same numerical score on the redesigned test.
Division II Academic Requirements

College-bound student-athletes enrolling at an NCAA Division II school need to meet the following academic rules to practice, compete and receive athletics scholarships during their first year.

Core-Course Requirement

Complete 16 core courses in the following areas:
- 3 years of English
- 2 years of math (Algebra I or higher)
- 2 years of natural or physical science (including one year of lab science if offered)
- 2 years of social science
- 3 additional years of English, math or natural or physical science
- 4 additional years of English, math, natural or physical science, social science, foreign language, comparative religion or philosophy
- Complete 16 core courses
- Earn a core-course GPA of at least 2.000
- Earn an SAT combined score of at least 820 or an ACT sum score of at least 68
- Graduate high school
- Complete 16 core courses
- Earn a core-course GPA of at least 2.000 OR
- Earn an SAT combined score of at least 820 or an ACT sum score of at least 68
- Graduate high school

Full Qualifier: College-bound student-athletes may practice, compete and receive athletics scholarship during their first year of enrollment at an NCAA Division II school.

Partial Qualifier: College-bound student-athletes may receive athletics scholarships during their first year of enrollment and may practice during their first regular academic term but may NOT compete during their first year of enrollment.

Nonqualifier: College-bound student-athletes may not practice, compete or receive athletics scholarships during their first year of enrollment at an NCAA Division II school.

Test Scores

If you take the current SAT before March 2016 and then take the redesigned SAT at a later date, the NCAA Eligibility Center will not combine section scores from the current and redesigned SAT when determining your initial eligibility. The NCAA Eligibility Center will only combine section scores from the same version of the test. Because the redesigned SAT varies in design and measures different academic concepts than the current SAT, a numerical score on the current test may not be equivalent to the same numerical score on the redesigned test.
2018 Division II New Academic Requirements

Initial-eligibility standards for NCAA Division II college-bound student-athletes are changing. College-bound student-athletes first enrolling at an NCAA Division II school on or after August 1, 2018, need to meet new academic rules to practice, compete and receive athletics scholarships during their first year.

### Core-Course Requirement
- 3 years of English
- 2 years of math (Algebra I or higher)
- 2 years of natural or physical science (including one year of lab science if offered)
- 2 years of social science
- 3 additional years of English, math or natural or physical science
- 4 additional years of English, math, natural or physical science, social science, foreign language, comparative religion or philosophy

<table>
<thead>
<tr>
<th>Full Qualifier</th>
<th>Partial Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete 16 core courses.</td>
<td>Complete 16 core courses.</td>
</tr>
<tr>
<td>Earn a core-course GPA of at least 2.200.</td>
<td>Earn a core-course GPA of at least 2.000.</td>
</tr>
<tr>
<td>Earn the ACT/SAT score matching your core-course GPA on the Division II sliding scale (see back page).</td>
<td>Earn the ACT/SAT score matching your core-course GPA on the Division II sliding scale (see back page).</td>
</tr>
<tr>
<td>Graduate high school.</td>
<td>Graduate high school.</td>
</tr>
</tbody>
</table>

**Full Qualifier:** College-bound student-athletes may practice, compete and receive athletics scholarship during their first year of enrollment at an NCAA Division II school.

**Partial Qualifier:** College-bound student-athletes may receive athletics scholarships during their first year of enrollment and may practice during their first regular academic term but may NOT compete during their first year of enrollment.

**Nonqualifier:** College-bound student-athletes may not practice, compete or receive athletics scholarships during their first year of enrollment at an NCAA Division II school.

**Test Scores**
If you take the current SAT before March 2016 and then take the redesigned SAT at a later date, the NCAA Eligibility Center will not combine section scores from the current and redesigned SAT when determining your initial eligibility. The NCAA Eligibility Center will only combine section scores from the same version of the test. Because the redesigned SAT varies in design and measures different academic concepts than the current SAT, a numerical score on the current test may not be equivalent to the same numerical score on the redesigned test.

Updated: January 12, 2016
Title IX

“No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subject to discrimination under any educational programs or activity receiving federal financial assistance”.

—From the preamble to Title IX of the Education Amendment of 1972

The Board is committed to an environment of nondiscrimination on the basis of race, color, religion, sex, age, national origin, economic status, union affiliation, disability, and other human differences. No person shall be excluded from participation in, or denied the benefits of, any academic or extracurricular program or educational opportunity offered service offered by the District. The District will comply with the applicable statutes, regulations, and executive orders adopted by Federal, State, and Municipal agencies.

Title IX applies to all programs in a school (including academics, extracurricular, and athletics) that receives federal financial assistance. It protects all participants in the academic program from gender discrimination including parents, students and employees.

If a school becomes aware of equal opportunity violations or sexual harassment, the school will take appropriate actions to investigate the situation. For more information on the student grievance process speak with your principal and/or follow the Student Grievance Process in this handbook. For more information on Title IX or to report any civil rights violation or Title IX violation, contact the EEO Director, who serves as the Title IX Coordinator, at the ASD Education Center, 5530 E. Northern Lights Blvd, Anchorage, AK  99504-3135 (907) 742-4132.

Concerns may also be reported to any of the following external agencies: Alaska State Commission for Human Rights, Anchorage Equal Rights Commission, Department of Education and/or the Office of Civil Rights.

Updated 6/2010
Dear Parent & Students:

The following four-year planning document has been prepared for your use. The intent is to develop a quality plan based on the student's interests, aptitudes and career goals. Quality planning doesn't happen by chance. Students and parents are encouraged to explore educational and occupational needs based upon career goals. Any available data such as Alaska Career Information System (AKCIS) search results, interest inventory results, and aptitude test results should all be discussed with your guidance counselor. In addition, your school Career Resource Advisor can be very helpful.

<table>
<thead>
<tr>
<th>Career Goals</th>
<th>Credits Planned</th>
<th>Acquired</th>
</tr>
</thead>
<tbody>
<tr>
<td>9th Grade Fall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Career Goals</th>
<th>Credits Planned</th>
<th>Acquired</th>
</tr>
</thead>
<tbody>
<tr>
<td>9th Grade Spring</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Career Goals</th>
<th>Credits Planned</th>
<th>Acquired</th>
</tr>
</thead>
<tbody>
<tr>
<td>10th Grade Fall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Career Goals</th>
<th>Credits Planned</th>
<th>Acquired</th>
</tr>
</thead>
<tbody>
<tr>
<td>10th Grade Spring</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Career Goals</th>
<th>Credits Planned</th>
<th>Acquired</th>
</tr>
</thead>
<tbody>
<tr>
<td>11th Grade Fall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Career Goals</th>
<th>Credits Planned</th>
<th>Acquired</th>
</tr>
</thead>
<tbody>
<tr>
<td>11th Grade Spring</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Career Goals</th>
<th>Credits Planned</th>
<th>Acquired</th>
</tr>
</thead>
<tbody>
<tr>
<td>12th Grade Fall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Career Goals</th>
<th>Credits Planned</th>
<th>Acquired</th>
</tr>
</thead>
<tbody>
<tr>
<td>12th Grade Spring</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For graduation requirements see inside front cover