

***North Pole
High School
Home of the Patriots***

**Course
Catalog
2024-2025**



Class of 2018 & Beyond

ALASKA PERFORMANCE SCHOLARSHIP



To apply for the APS and other financial aid opportunities, students must complete a **FAFSA** (Free Application for Federal Student Aid) by **June 30th** of each year. **VISIT: studentaid.gov**

Required Curriculum (for all levels)	Option 1: Math & Science Curriculum	Option 2: Social Studies & Language Curriculum
	<p>Students can choose either curriculum option:</p> <p>Contact your counselor for information about APS courses. Approved courses may also be available through resources such as the University of Alaska or others. Eligibility is determined based upon courses with a letter grade contained in your high school's permanent student record.</p>	<p>Science (4 credits)</p> <p>Math (4 credits)</p> <p>Social Studies (4 credits)</p> <p>Language Arts (4 credits)</p>

	Level 1	Level 2	Level 3
Required GPA	<input type="radio"/> 3.5 or greater	<input type="radio"/> 3.0 or greater	<input type="radio"/> 2.5 or greater
Required Testing	<input type="radio"/> ACT/SAT: Use APS for Degree or Certificate <input type="radio"/> ACT 25 SAT 1210* <small>*for SAT taken March 2016 or later</small>	<input type="radio"/> ACT/SAT: Use APS for Degree or Certificate <input type="radio"/> ACT 23 SAT 1130* <small>*for SAT taken March 2016 or later</small>	<input type="radio"/> ACT/SAT: Use APS for Degree or Certificate <input type="radio"/> ACT 21 SAT 1060* <small>*for SAT taken March 2016 or later</small>
<p>WorkKeys: Use APS for Certificate Only</p> <p><i>A combination score of 13 or higher with no score below 4, is required in Applied Math, Graphic Literacy, and Workplace Documents</i></p>	<input type="radio"/> WorkKeys 13	<input type="radio"/> WorkKeys 13	<input type="radio"/> WorkKeys 13

"Certificate" means a career & technical education certificate and does not include associate's degrees.

ON TRACK TO QUALIFY? Get ready to put your APS award to work!
 Download Initial Award and Continuing Eligibility Checklists at APS.alaska.gov



Questions? Visit APS.alaska.gov





English Language Arts

GRADUATION REQUIREMENTS

- English 9 - 1 Credit
- English 10 - 1 Credit
- American Literature - 0.5 Credits
- Other Literature - .05 Credits
- Writing Intensive - 0.5 Credits
- English Elective - 0.5 Credits

Total English Language Arts
Credits - 4.0

APS Requirements

Math & Science Track - 4.0
Credits

**Social Studies & Language Arts
Track** - 4.0 Credits



English Language Arts

English 9 (year-long)

EN212/213

- This yearlong course fulfills two semesters of the English 9 requirement. This course actively cultivates a growth mindset by encouraging learner reflection and ownership, offering choice, and supporting career-readiness.

English 10 (year-long)

EN222/223

Prerequisite English 9

- This is a year long, prerequisite course for all upper level English courses, and is a continuation of English 9. In this class, we use a variety of forms of literature to further develop reading, writing, speaking, and listening skills.

American Literature(1 Semester Required)

Native American Literature (1 semester)

EN285

Prerequisite English 10

- This course focuses on Native American cultures and texts, with an emphasis on their role in the mosaic of all cultures that make up our world. Students will learn appreciation for their own and others' cultures through analysis of a wide range of texts and perspectives.

American Literature Shifting Dreams (1 semester)

EN323

Prerequisite English 10

- This integrated thematic course combines a survey of diverse American authors with composition, and allows learners to explore the changing understanding of the American dream. Prose, poetry, and drama written by American authors are used as vehicles for examining and improving writing skills. Formal literary analysis is required, as well as a variety of other writing experiences.

African American Literature (1 semester)

EN265

Prerequisite English 10

- African American Literature is a thematic approach to the study of African American literature. Learners respond to the literature orally, in writing, and in classroom presentations. They will gain an understanding of African American culture and its relationships and contributions to the mosaic of cultures that make up our world. Learners will learn appreciation for, and tolerance of their own and others' cultures. Formal literary analysis is required, as well as a variety of other writing experiences. This course fulfills the American Literature requirement.

Other Literature (English Elective)

Holocaust Literature (1 semester)

EN202

Prerequisite English 10

- Holocaust Literature is a thematic approach that challenges learners to pull lessons that connect our world today to the history of the Holocaust, teaching awareness and tolerance for other cultures internationally as well as within our own communities. In this literature based class, learners focus on individual stories and historic content that connect a variety of experiences, allowing learners to 'own' their study of the Holocaust.

Social Themes in Literature (1 semester)

EN329

Prerequisite English 10

- Social Themes in Literature is a thematic approach to the study of contemporary and historical social issues through a variety of texts, including fiction, nonfiction, poetry, and drama. Learners respond to the texts verbally, in writing, and through classroom presentations. This is a personalized learning course. This class provides a unique opportunity for learners to create their own reading list, which must include one item from fiction, nonfiction, drama or graphic, and poetry.

Writing Intensive (1 Semester Required)

Creative Writing (1 semester)

EN268

Prerequisite English 10

- Composition and Media Analysis analyzes various types of media through expository and argumentative writing. Learners research and study various types of media. Emphasis is on the implications of the social and economic aspects of the media, including advertising and propaganda.

Professional Writing (1 semester)

EN332

Prerequisite English 10

- This challenging course focuses on written communication skills as they relate to the world of business and technology. Communication and teamwork are emphasized. Technical writing skills include business correspondence, gathering and presenting data, technical documents, and reports.

Composition & Media (1 semester)

EN201

Prerequisite English 10

- Composition and Media Analysis analyzes various types of media through expository and argumentative writing. Learners research and study various types of media. Emphasis is on the implications of the social and economic aspects of the media, including advertising and propaganda.

Advance Composition (UAF Eng 111)

EN259

Prerequisite English 10

- Advanced Composition is a rigorous experience in writing the various forms of exposition with emphasis on research, synthesis, and critical analysis. It is recommended for learners with better than average ability, especially those who plan to attend college. College credit option available.

Mathematics



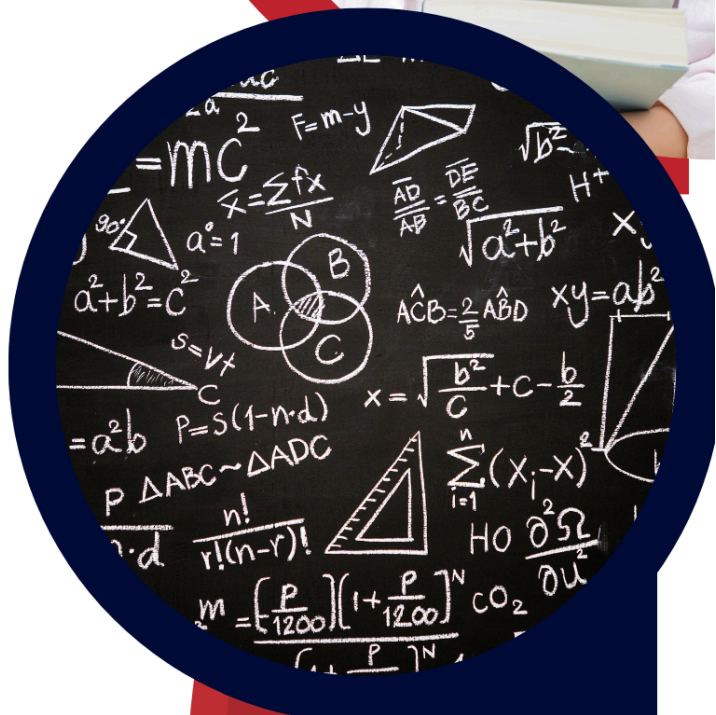
GRADUATION REQUIREMENTS

Algebra I - 1 Credit
 Statistics - 0.5 Credits
 Math Electives - 1.5

Total Math Credits - 3.0

APS Requirements

Math & Science Track - 4.0 Credits
Social Studies & Language Arts Track - 4.0 Credits



Math

Algebra 1 (year-long)

MA201/202

- Those enrolled in this course can expect to learn solving equations, solving inequalities, basic functions, systems of equations, polynomials and factoring, and nonlinear functions. Algebra I is full of fundamental concepts that reappear in nearly every successive science and math course.

AMPED on Algebra (year-long; double blocked)

MA298P/299P

- Students will learn to manage a business (t-shirt shop) and how the skills in Algebra 1 connect to running a profitable and successful entrepreneurial business. Students enrolled in this class will earn their Algebra I credit as well as a CTE credit for Student Business Enterprise.

Algebra for Finance 1A

MA276/277

Prerequisite Algebra I

- Algebra for Finance focuses on building applicable and vital skills for financial independence. This course will teach students algebra material while embedding it in real-life financial skills. In Algebra for Finance, students will master the following topics: expenses, banking, credit, loans (mortgage and automobile), basic employment, income taxes, independent living, basics of the stock market, business modeling, retirement planning, and budgeting.

Algebra II

MA204/205

Prerequisite Algebra I & Geometry

- Algebra II builds upon previous learned ideas from Algebra I and Geometry. In this class, students will develop mathematical fluency by exploring the applications of advanced equations. As an advanced math class, this course will focus on getting students college ready. In Algebra II, students will master the following topics: linear functions and systems, quadratic functions, polynomials, radical functions, data and statistics, rational functions, exponential and logarithmic functions, and applications of trigonometric functions.

AP Statistics (year-long)

MA255/256

Prerequisite Algebra II

Class Fee - AP Exam Fee + Calculator

- AP Statistics is a course where students learn to collect, display, and analyze data to make meaningful decisions in their lives and the lives of others. This course has the opportunity for college credit.

Computer Programming I & II

MA232/233

Prerequisite Algebra I

- Students will create apps and improve upon them over the course of the school year as their skills and knowledge develop.

Geometry (year-long)

MA221/222

Prerequisite Algebra I

- Explore Euclidean Geometry and proofs to gain a better understanding of space. Apply these skills through projects and see real world connections to construction and architecture. This course builds algebra skills and explores key ideas that will be utilized in Algebra II. The basics of trigonometric relationships and functions are explored in this course as well.

Introduction to Statistics (One Semester)

MA292

Prerequisite Algebra I

- This class teaches the basics of collecting, displaying, and analyzing data to help everyone make sense of the world we live in.

Math for the Trades and Tech Careers (year-long)

MA281/282

Prerequisite Algebra I

- Course emphasizes applied mathematics topics that will promote success in industry specific occupations. Students interested in careers such as Carpentry, Electrician, Pipe Fitting, Surveying etc would be well suited for this class.

Pre-Calculus (year-long)

MA284/283

Prerequisite Geometry & Algebra II

- Build on and deepen your knowledge from your previous math courses as you transition to upper level mathematics. The course will cover new topics including polar and parametric equations, trigonometric equations, and the calculus concept of limits.



Science

GRADUATION REQUIREMENTS

Biological Science - 1.0 Credit
Physical Science - 1.0 Credit
Science Electives - 1.0 Credit

Total Science Credits 3.0

APS Requirements

Math & Science Track - 4.0
Credits

Social Studies & Language Arts
Track - 3.0 Credits



Science

Alaska Zoology Fish and Birds (One Semester)

SC051

Prerequisite Biology

- From sharks to salmon & from seagulls to eagles! Looking at the vast animals of Alaska! Fish and Birds is a one-semester course that explores the major Alaskan fish and bird groups. The general anatomy, physiology, and behavioral patterns of the major fish and bird groups found in Alaska are discussed. The course also includes game laws/regulations and environmental issues including conservation.

Alaska Zoology Mammals (One Semester)

SC050

Prerequisite Biology

- From Rodents to Whales! Looking at the vast animals of Alaska! Mammals is a one-semester course that explores the major Alaskan mammal groups. The general anatomy, physiology, and behavioral patterns of the major Alaskan mammal group are discussed. The course will also include game laws/regulations, and environmental issues including conservation.

Astronomy (One Semester)

SC058

Prerequisite Geometry

- Space, Stars, Planets, History of Space Exploration! Astronomy is a semester-long introductory course which will educate students about ancient and modern astronomical knowledge and research methods to build a strong foundation for college-level courses in science. Mathematics and science concepts as well as ancient and modern technology will be used to help students explore and understand the universe they live in. The course focuses on historical development of astronomical knowledge, the solar system, and an introduction to modern research methods. Additional topics could include life cycles of stars, properties of star groupings and galaxies, and the use of modern research methods.

AP Chemistry (year-long)

SC025/026

11th or 12th grader and Teacher Recommendation

Class Fee - AP Exam Fee + Safety Goggles

- More Chemistry for those who already passed chemistry! AP Chemistry provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. The key concepts and related content that define the AP Chemistry course and exam are organized around underlying principles called the Big Ideas. They encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the particulate nature of matter underlying the observations students make about the physical world. All students are encouraged to take the AP exam. (AP Exam is strongly encouraged).

Biology (year-long)

SC003/004

Prerequisite Earth & Space Science

- Covering the basics of life through the study of the environment! Biology is a one-year course designed to meet the Biological Science requirement for graduation. The academic focus is to develop student reading, writing, processing, and organizational skills. The scientific focus is to improve science vocabulary, scientific observation, inquiry, experimentation, and analysis skills. Safety skills will be stressed each semester. The first semester will begin with the study of cells, cell structures and their functions, protein synthesis, genetics, and the study of heredity. Second semester will include evolution, characteristics of multicellular organisms with attention to organs and organ systems, and the diversity of organisms and ecology.

Chemistry (year-long)

SC022/023

Prerequisite Algebra I & Biology

- Water Chemistry, Periodic Table, Radioactivity, Chemical Reactions, lots of Math! Chemistry is a one-year introductory general chemistry course, which builds a foundation for college-level chemistry, physics, and biology courses. Students learn about chemical reactions and the structure of matter in order to explain how and why substances react the way they do. Laboratory work and laboratory reporting are an integral part of the course, helping students develop an understanding of the concepts as well as the process of science.

Earth and Space (year-long)

SC060/061

- During the first semester students will explore the various processes that shape our Earth, including tectonic plate movement, earthquakes, volcanoes, the rock cycle, oceanic and atmospheric currents, and much more. Second semester will be spent exploring beyond our planet, including the sun, moon, stars, and distant galaxies.

Natural Resource Science (year-long)

SC087/088

- In this class students will have the opportunity to apply different scientific concepts to better understand the interrelationships of the natural world. They will explore man-made environmental problems, as well as alternative solutions.

Forensics & Advanced Forensics (One Semester)

SC011

Prerequisite Biology

- Begins in semester 1 with Crime Scene analysis, Time of Death, Blood Spatter, DNA evidence, Law enforcement presentations and ramps up to semester 2 including profiling, physical evidence, arson, and so much more. This is science elective credit.

Honors Biology (year-long)

SC089/090

Prerequisite Earth & Space Science & Teacher Recommendation

- Be a biologist and learn regular biology but at a deeper level. Choose this class to step up for a challenge which includes more inquiry and lab based activities. Students who chose this class are probably college bound. This is life science credit.

Human Anatomy & Physiology (One Semester)

SC005

Prerequisite Biology

- Study human body system structure & function. This is science elective or life science credit. Human Anatomy & Physiology is a one-semester course that advanced students will learn about the major organ systems of the human body and how they work together to sustain life and maintain health. Academic skills will focus on independent reading and analysis. Content focus will be on the relationship between the structure (anatomy) of organs and organ systems and the functions (physiology) of those systems. Students will have the opportunity to study how healthy life choices can help to enhance the functioning of those systems. They will also be introduced to the many careers available in the modern health care system.

Paleontology (One Semester)

SC084

Prerequisite Biology & Chemistry

- Mammoths, Bones, Alaskan Dinosaurs, Trilobites, and Geologic Time. Paleontology is a one-semester course that is designed to provide students an opportunity to further investigate and describe the temporal and spatial changes in Earth's flora and fauna within the context of geological processes, stratigraphy, and evolution. Another goal of the course is to demonstrate the interdependence of scientific disciplines in any investigation of large-scale patterns and events in the natural world. Consequently, the study of paleontology requires a working knowledge of more than one discipline. The course will be reading intensive with advanced articles on the subject of paleontology.

Physics (year-long)

SC031/032

Prerequisite Geometry & Algebra II

- Math involving; Motion, Forces, Energy, Momentum, Thermal Energy, Electricity, Magnetism, and Waves. Physics is an introductory general physics course with an emphasis on mathematics that will build a strong foundation for college-level courses in physics and other sciences. Students are expected to develop an understanding of forces and interactions, energy, and the applications of waves as they are used in information transfer. The first semester is an in-depth exploration of mechanics (motion, forces, energy, momentum). The second semester includes an in-depth exploration of thermal energy, electricity and magnetism, and wave applications in technology.

Marine Biology (One Semester)

SC042

Prerequisite Biology

- Studying Earth's oceans, from the physical environment to all life found in the ocean. Marine Biology explores the adaptation of marine organisms, ecological concepts and physical processes that structure the marine environment. The course is a study of the environmental impacts of chemistry, geology and other abiotic conditions and the organisms that live in marine environments. The course also examines human interactions with marine ecosystems and the many careers associated with it. Special attention will be given to students' knowledge of Alaska's marine environment, its importance to indigenous people, local economies, food production, and career possibilities.

Wildlife Biology (year-long)

SC062P/063P

- Looking at Alaska Wildlife in order to understand biological concepts. Wildlife Biology is a place-based biology class, which will include Indigenous Ways of Knowing and current local environmental/conservation issues. This class will use the rich resources of Alaska and our local area to teach the concepts of biology through a practical knowledge lens. Wildlife Bio is a one-year course designed to meet the biological science requirement for graduation. Through the use of local writings and current events in conservation and environmental issues students will strengthen reading literacy and writing skills.



Social Studies

GRADUATION REQUIREMENTS

- Alaska Studies - 0.5 Credits
- World History - 1.0 Credit
- US History - 1.0 Credit
- US Government - 0.5 Credits
- Economics - 0.5 Credits

Total Social Studies Credits 3.5

APS Requirements

**Math & Science Track - 4.0
Credits**

**Social Studies & Language Arts
Track - 4.0 Credits**



Social Studies

Alaska Studies (One Semester)

SS029

- In Alaska Studies, learners will become familiar with the historic, economic, political, geographic, and cultural influences on Alaska, and the ways these forces have shaped modern-day Alaskan society.

AP U.S. History (year-long)

SS016/017

Prerequisite World History S1 & S2, 11th or 12th Grade, and teacher recommendation

Class Fee - AP Exam Fee

- AP U.S. History is designed for learners capable of college level work, follows the description put forward by the College Board, and prepares learners to take the Advanced Placement exam. Through extensive experience with document-based and free-response essay writing, learners will move beyond the basic skills of historical chronology and comprehension to develop historical analysis and interpretation skills, research capabilities, and issues-analysis and decision-making skills.

Economics and Financial Literacy (1 Semester)

SS026

Prerequisite US History 1 & 2

- In Economics and Financial Literacy learners will come to understand basic economic theory by evaluating choices made by businesses, individuals, and governments in their world, through the lens of economic thought while practicing real life skills like budgeting and job skills including job applications, resume building and taxes.

Psychology (One Semester)

SS041

Elective

- Psychology class will give you a chance to look at human behavior, personalities, social groups and interactions. We will learn how to manage and relieve stress, you will dive into social norms and how to conduct experiments.

Media In History (One Semester)

SS059

Elective

- Media in History is meant to critically view history through the lenses of the media. Learners will explore print, audio, video, and movies, and evaluate how it has affected views throughout history.

Recent US History (year-long)

SS004/005

Prerequisite World History

- Focusing on the people, cultures, issues, and events that shaped the United States from the Reconstruction to the present.

U.S. Government and Civics

SS023

Prerequisite US History 1

- Focusing on the United States Government and Civics, learners become knowledgeable about the founding documents and philosophies that are the foundation of our representative democracy. We will explore the idea of a citizen's job and the application of the social contract.

World History (year-long)

SS001/002

10th Grade Year

- World History focuses on global developments, from the empires of the classical age and the emergence of the first global age to the rise of absolutism and revolutionary response of the early 19th century to the present . The learner will explore the influences of geography on humans, the creation of civilizations and empires, and the political systems that developed.

World History Honors (year-long)

SS007/008

10th Grade and Teacher Recommendation

- World History focuses on global developments, from the empires of the classical age and the emergence of the first global age to the rise of absolutism and revolutionary response of the early 19th century to the present . The learner will explore the influences of geography on humans, the creation of civilizations and empires, and the political systems that developed. World History focuses on global developments, from the empires of the classical age and the emergence of the first global age to the rise of absolutism and revolutionary response of the early 19th century to the present . The learner will explore the influences of geography on humans, the creation of civilizations and empires, and the political systems that developed



Physical Education & Health

GRADUATION REQUIREMENTS

Physical Education - 1.5 credits

Must take 1 semester of PE

- May use up to 4 PE Sorts waivers for a total of 1.0 credit

Health - 0.5 Credits

APS Requirements

Math & Science Track - 0 Credits

Social Studies & Language Arts

Track - 0 Credits



Health/PE

Fitness/Individual Activities (One Semester)

PE055 - Repeatable

Prerequisite Fundamentals of PE

- Fitness and Individual Activities is centered around solo or small group activities with an emphasis on lifetime fitness. Examples of class activities include Yoga, Ping Pong, Circuit Training and Badminton.

Fundamentals of PE (One Semester)

PE050 - Repeatable

- Fundamentals of PE is an all around PE class that is focused on introducing students to a wide range of activities. Team activities such as Volleyball or Soccer, Individual activities such as Pickleball and basic Physical Fitness activities in the Weight Room are examples of what will be done in this class.

Team (One Semester)

PE053 - Repeatable

Prerequisite Fundamentals of PE

- Team is for students interested in developing motor skills while playing and competing in team sports in a cooperative environment. Examples of activities include Lacrosse, Ultimate Frisbee and Handball.

Weight Training (One Semester)

PE064 - Repeatable

Prerequisite Fundamentals of PE

- Weight Training is designed to promote development of muscular strength and endurance with the knowledge and awareness of safe practices for students who are goal oriented. Students will spend the majority of class following a weight training regimen but they can also expect a variety of activities designed to help them reach their physical goals.

Health (One Semester)

HL006

- Health focuses on the acquisition of accurate health information and the development of healthy attitudes and behavior patterns while exploring topics such as Nutrition, Communication/Relationships, Mental Health, Substance Abuse, and Reproduction/Sex Education.



Art Elective Credits

GRADUATION REQUIREMENTS

Total Elective Credits - 7.0

APS Requirements

Math & Science Track - 0.5
Credits

Can be substituted for one
standard course of Social Studies.

**Social Studies & Language Arts
Track** - 0 Credits



Art

Studio Art 1A

AR001

Beginning Art

Class Fee - \$30.00

- A foundation for most other art courses. We will explore a broad variety of mediums- drawing, painting, ceramics, sculpture, jewelry and mixed media. This course stresses the use of the elements and principles of art, the study of artists, the improvement of creative thinking skills, and the process of learning to make informed judgments about art.

Art I - 2D

AR020

Prerequisite Studio Art

Class Fee - \$30.00

- 2D Art explores a broad variety of 2D art methods: some drawing & painting, but mostly other 2D processes- printmaking, inking, mixed media, collage.

Art II - 2D

AR106

Prerequisite Art I 2D

Class Fee - \$30.00

- 2D Art explores a broad variety of 2D art methods: some drawing & painting, but mostly other 2D processes- printmaking, inking, mixed media, collage.

Art III - 2D

AR111

Prerequisite Art II - 2D

Class Fee - \$30.00

- 2D Art explores a broad variety of 2D art methods: some drawing & painting, but mostly other 2D processes- printmaking, inking, mixed media, collage.

Art I - 3D

AR021

Prerequisite Studio Art

Class Fee - \$30.00

- 3D Art explores a broad variety of 3D art methods including: ceramics, sculpture, found object assemblage, carving soap & soapstone, jewelry, and mixed media sculpture. Tools can be hazardous if used improperly; self-discipline is a must.

Art II - 3D

AR109

Prerequisite Art I 3D

Class Fee - \$30.00

- 3D Art explores a broad variety of 3D art methods including: ceramics, sculpture, found object assemblage, carving soap & soapstone, jewelry, and mixed media sculpture. Tools can be hazardous if used improperly; self-discipline is a must.

Art III - 3D

AR114

Prerequisite Art II 3D

Class Fee - \$30.00

- 3D Art explores a broad variety of 3D art methods including: ceramics, sculpture, found object assemblage, carving soap & soapstone, jewelry, and mixed media sculpture. Tools can be hazardous if used improperly; self-discipline is a must.

Ceramics Beginning 1A/1B

ART130

Prerequisite Studio Art

Class Fee - \$44.00

- Ceramics covers the fundamental skills, knowledge, attitudes, and techniques necessary to begin understanding ceramics. Students learn a variety of hand-building techniques (pinch pots, coils, slabs) while working with clay and may be introduced to the potter's wheel.

Ceramics Intermediate 1A/1B

ART084

Prerequisite Studio Art

Class Fee - Intermediate - \$60.00

- Ceramics covers the fundamental skills, knowledge, attitudes, and techniques necessary to begin understanding ceramics. Students learn a variety of hand-building techniques (pinch pots, coils, slabs) while working with clay and may be introduced to the potter's wheel.

Ceramics Advanced 1A/1B

ART084

Prerequisite Studio Art

Class Fee - Advanced - \$ 60.00

- Ceramics covers the fundamental skills, knowledge, attitudes, and techniques necessary to begin understanding ceramics. Students learn a variety of hand-building techniques (pinch pots, coils, slabs) while working with clay and may be introduced to the potter's wheel.

Digital Photography 1A

CTEM401

11th or 12th Graders Only

Class Fee - \$65.00 + deposit for district camera

- Digital Photography 1A introduces students to digital photography and its application in a wide variety of occupations. Students will learn and utilize the concepts of basic photographic composition including rule of thirds, framing, shapes, lines, color, negative space, etc. Students will also gain an understanding of the facets of the exposure triangle: aperture, shutter speed, and ISO. Students will perform beginner to intermediate camera operations while completing assignments. File management including various import and organization methods will be

covered. Students will also be introduced to concepts of photo editing using industry appropriate software as well as the aspects of digital image files. Students learn to make critical judgments about their own art and the art of others.

Drawing and Design 1A

AR008

Prerequisite Studio Art

Class Fee - \$30.00

- In Drawing & Design, students refine their drawing and design skills. A variety of subject matter, materials, and technologies are used to solve two-dimensional and three-dimensional drawing problems: value studies, negative space, still life drawing, figure drawing, 1 & 2 point perspective, character design, scratchboard, collage, package design.

Painting 1A/1B (2 consecutive semesters)

AR023/022

Prerequisite Studio Art

Class Fee - \$30.00

- Painting develops students' understanding of color theory and painting skills. Students explore a variety of painting media, approaches, techniques, surfaces, and technologies while creating: Value Studies, Mixing color, acrylic, watercolor, oil, still lifes, figure painting, etc.

Jewelry Beginning 1A/2B

AR131

Prerequisite Studio Art

Class Fee - \$35.00

- Jewelry covers the skills, knowledge, attitudes, and technology necessary to begin to understand jewelry-making. Various jewelry-making processes are explored as students work with different materials and tools: beading, dreamcatchers, polymer clay, resin, fused glass, metalsmithing-sawing, piercing, soldering, wire work. Tools can be hazardous if used improperly; self-discipline is a must. A safety test must be passed before hazardous tools or materials may be used.

Jewelry Intermediate 1A/2B

AR119

Prerequisite Beginning Jewelry

Class Fee - \$35.00

- Jewelry covers the skills, knowledge, attitudes, and technology necessary to begin to understand jewelry-making. Various jewelry-making processes are explored as students work with different materials and tools: beading, dreamcatchers, polymer clay, resin, fused glass, metalsmithing-sawing, piercing, soldering, wire work. Tools can be hazardous if used improperly; self-discipline is a must. A safety test must be passed before hazardous tools or materials may be used.

Jewelry Advanced 1A/2B

AR072

Prerequisite Studio Art

Class Fee - \$35.00

- Jewelry covers the skills, knowledge, attitudes, and technology necessary to begin to understand jewelry-making. Various jewelry-making processes are explored as students work with different materials and tools: beading, dreamcatchers, polymer clay, resin, fused glass, metalsmithing-sawing, piercing, soldering, wire work. Tools can be hazardous if used improperly; self-discipline is a must. A safety test must be passed before hazardous tools or materials may be used.

AP Art 2D(year-long)

Prerequisite Teacher Recommendation

Class Fees - 2D - \$40.00 + portfolio submission fee

- This is an intensive course aimed at students who want to refine and improve their art skills, and potentially study art as a career. Students will create a portfolio of work to demonstrate the artistic skills and ideas they have developed, refined, and applied over the course of the year to produce visual compositions.

AP Art 3D (year-long)

Prerequisite Teacher Recommendation

Class Fees - 3D - \$45.00 + portfolio submission fee

- This is an intensive course aimed at students who want to refine and improve their art skills, and potentially study art as a career. Students will create a portfolio of work to demonstrate the artistic skills and ideas they have developed, refined, and applied over the course of the year to produce visual compositions.

AP Drawing (year-long)

Prerequisite Studio Art

Class Fees - Drawing - \$30.00 + portfolio submission fee

- This is an intensive course aimed at students who want to refine and improve their art skills, and potentially study art as a career. Students will create a portfolio of work to demonstrate the artistic skills and ideas they have developed, refined, and applied over the course of the year to produce visual compositions.



Performing *Arts* Elective Credits

GRADUATION REQUIREMENTS

Total Elective Credits - 7.0

APS Requirements

Math & Science Track - 0.5
Credits

Can be substituted for one
standard course of Social Studies.

**Social Studies & Language Arts
Track** - 0 Credits



Performing Arts

Choirs

Concert Choir (year-long, audition)

MU016/017 - Repeatable

Prerequisite Mixed Choir or Men's Choir

Class Fee - Uniform/Cleaning Fee

- *Concert Choir* is a performing vocal ensemble by audition only. This choir represents the school at various public functions and concerts. A limited amount of time is spent on study of vocal technique, music theory, and ear training. The majority of time is spent on concert literature. Concert participation is required as outlined in the course syllabus.

Show / Jazz Choir (year-long)

MU019 - Repeatable

Prerequisite Mixed Choir or Men's Choir

Class Fee - Uniform/Cleaning Fee

- *Contemporary choir* is a performing vocal ensemble that gives students an opportunity to experience different styles of music literature and creative process unique to the show/contemporary medium. Movement and dance are an integral part of this course. Concert participation is required as outlined in the syllabus.

Men's Choir (year-long)

MU007/008 - Repeatable

Class Fee - Uniform/Cleaning Fee

- *Men's choir* is a performing vocal ensemble of tenor and bass voices that represents the school at public functions and concerts. A limited amount of time is spent on study of vocal technique. The majority of time is spent on concert literature. Concert participation is required as outlined in the syllabus.

Mixed Choir (year-long)

MU001/002 - Repeatable

Class Fee - Uniform/Cleaning Fee

- *Mixed Choir* offers instruction in vocal technique and is open to all students. The development of correct posture and technique is stressed and there are opportunities for ensemble singing as students become ready. Concert participation is required as outlined in the course syllabus.

Treble Choir (year-long)

MU004/005 - Repeatable

Prerequisite Mixed Choir or Men's Choir

Class Fee - Uniform/Cleaning Fee

- *Treble Choir* is a performing vocal ensemble of soprano and alto voices that represents the school at public functions and concerts. The development of correct posture and technique is stressed and there are opportunities for ensemble singing as students become ready. Concert participation is required as outlined in the course syllabus

Band

Symphonic Band (year-long)

MU037/038 - Repeatable

Class Fee - \$15.00

- *Symphonic Band* is designed for the advanced band student. The class will spend time on scales, technical exercises, etudes, solo and ensemble literature, and appropriate level band literature. This group is a performance ensemble and represents its school at public functions, athletic activities, and evening performances. This is a progressive skills class, which may be repeated for credit

Orchestra

Chamber Orchestra (year-long)

MU031/032 - Repeatable

Class Fee - \$15.00

- *Chamber Orchestra* is a performing group of string players and represents the school at public functions and concerts. Concert participation is required as outlined in the grading criteria. A limited amount of time is spent on study material. The bulk of the time is spent on concert orchestral literature. Recommended contact time for high school orchestra is at least four times each week during the school day.

Alternative Style

Beginning Guitar (one semester)

MU070

Class Fee - \$15.00

- *Beginning Guitar* is designed for the students who wish to learn how to play the guitar. Students must supply their own strings, picks, acoustic guitar, and books. The course will spend time on scales, technical exercises, solo and ensemble literature, and appropriate level guitar ensemble literature.



World Languages Elective Credits

GRADUATION REQUIREMENTS

Total Elective Credits - 7.0

APS Requirements

Math & Science Track - 0.5
Credits

Can be substituted for one
standard course of Social Studies.

Social Studies & Language Arts

Track - 2.0 Credits of World
Language



World Languages

Spanish I (year-long)

FL055/056

Class Fee - \$20.00 + Dictionary

- Spanish I is an introductory course designed to lay the foundation for students to comprehend and communicate Spanish in everyday life. Students will acquire basic grammar, pronunciation, and comprehension skills while exploring a variety of Spanish cultural topics.

Spanish II(year-long)

FL058/059

Prerequisite Spanish I

Class Fee - \$20.00 + Dictionary

- Spanish II will more fully develop students' knowledge of grammar rules and pronunciation skills while exploring Spanish culture and history. Students will communicate in the target language on a daily basis as they enhance their understanding of additional Spanish speaking countries.

Spanish III (year-long)

FL061/062

Prerequisite Spanish II

Class Fee - \$20.00 + Dictionary

- Spanish III emphasizes more extensive communication in the Spanish language. Speaking Spanish is a basic requirement in class. Emphasis on reading short stories, building vocabulary, and developing fluency in conversation is included. This course will increase study of Hispanic culture, history, literature, and art.



Career Technical Education Elective Credits

GRADUATION REQUIREMENTS

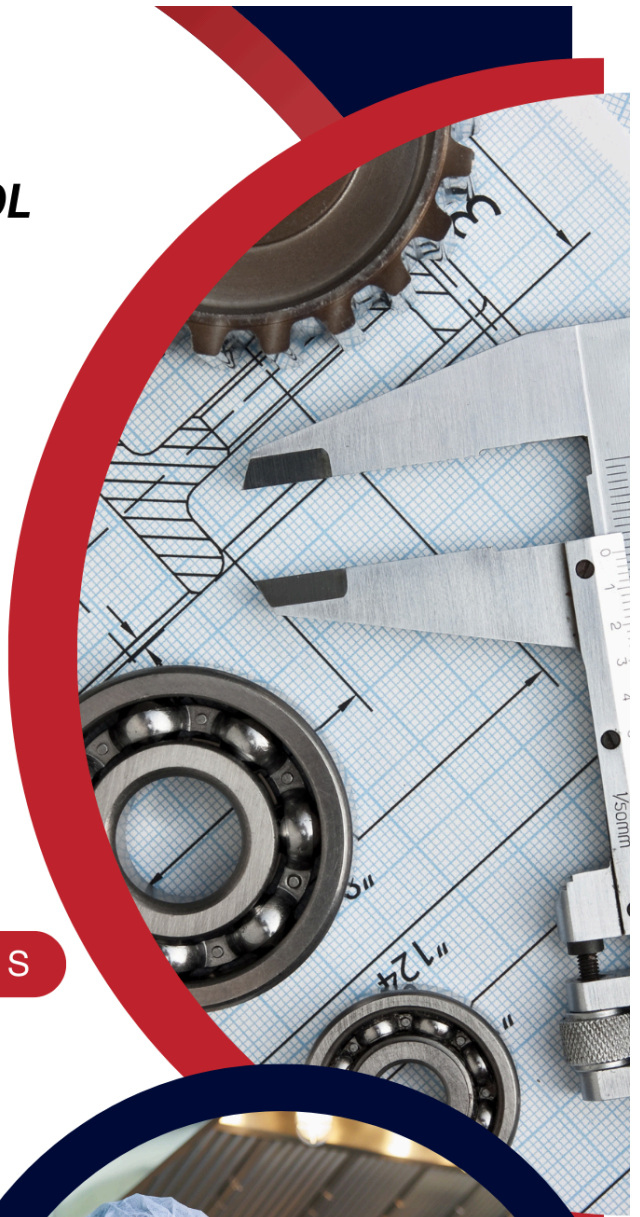
Total Elective Credits - 7.0

APS Requirements

Math & Science Track - 0 Credits

Social Studies & Language Arts

Track - 0 Credits



Career Technical Educations

High School Internship

CTEX107 - Repeatable only 4 times

10-11th Must have self transportation

- High School Internship is a work-based learning/high school course designed to provide an extended educational experience for students who desire to learn technical and industry skills in a specific occupation. Students will apply academic skills as well as skills they have acquired through other learning experiences. Students will be placed in a worksite and will develop a learning plan with their site mentor and the Work-Based Learning instructor. The industry mentor, Work-Based Learning instructor, and student will work in close collaboration to assess the student's progress toward successful completion of the course objectives and mastery of technical/industry skills.

Yearbook Publishing 1A/1B

CTEJX07/08 - Repeatable

- Yearbook Publications will provide students experience in the methods of journalism including experience in design, preparation, production and finances of the school yearbook. Emphasis will be on scheduling and meeting deadlines, designing layouts, photography, copywriting. This course demands that students demonstrate initiative, accept responsibility, and work independently or as a team. As a participant in this course, students should expect to spend time outside of the normal day gathering material for the final product. This is a progressive skills course that can be repeated for credit with teacher recommendation.

Automotive Technology

Small Engines 1A/1B

Class Fee - \$25.00

- Small Engines 1A covers the principles of small gasoline and diesel engines, safe working habits, employability skills, and environmental concerns related to internal combustion. Small Engines 1B is a hands-on course emphasizing tools and equipment used in small engine diagnostics and repair, fuel systems, and electrical systems.

Basic Auto A (1 Semester)

Prerequisite Small Engine

Class Fee - \$25.00

- Basic Automotive Technology 1A is an introduction to light vehicle transportation. During the course, basic fundamentals about automotive systems and repair are covered for entry into the intermediate automotive course. In addition, alternative fuels, labor rates, technical service bulletins, NHSTA recalls, and career information are covered. This course concentrates on tasks covered in the ASE Education Foundation - Maintenance and Light Repair (MLR) Program.

Basic Auto B (1 Semester)

Prerequisite Basic Automotive A

Class Fee - \$25.00

- Basic Auto A is the first semester of an intermediate level course designed for the student that is looking to expand their knowledge of Brake Systems. This course concentrates on tasks covered in the ASE Education Foundation.

Advanced Auto (2 Periods, 2 Semester)

Prerequisite Basic Automotive

Class Fee - \$25.00

- Advanced Auto 1-Advanced Automotive Technology I is the first of two semesters of an advanced course designed for the student that is serious about pursuing a career in the automotive field. The content is rigorous and covers Electrical and Electrical Systems, HVAC, and Hybrid and Fuel Cell Vehicles. These higher-level task allocations are set forth by ASE Education Foundation, and adheres to the Maintenance and Light Repair (MLR) program standards and has a prerequisite completion of Intermediate Automotive Technology or equivalent. Upon successful completion of this course, the student will have entry-level technician skills that may allow them to find employment in the automotive trade or continue their education at the post-secondary level.

Welding Technology

Metalworking

CTEC4011/4022

Class Fee - \$25.00

- This course is similar to Woodworking, except students work metal. Students will fabricate metal projects using cutting, bending, and assembly tools, and perform welding processes. This is a hands-on building class, with a focus on using tools safely. Students will develop patterns, layout sheet metal projects, cut, bend, and assemble them.

Welding 1A/1B

CTEC501/5022

Prerequisite Metalworking

Class Fee - \$35.00

- The course covers beginning welding and cutting techniques. Students will observe, learn, and perform: Shielded Metal Arc Welding, Gas Metal Arc Welding, Plasma and Flame-Cutting. Students fabricate several projects using these welding and cutting tools. There is emphasis on safe use of hand and power tools. Metalworking is the prerequisite.

Engineering and Robotics

Drafting 1A/1B

CTEC101/102

Class Fee - \$15.00

- This course teaches the fundamentals of technical drawing as applied to the trades and manufacturing. Students will learn to create professional drawings by hand and through computer aided design.

Engineering Design 1A/1B

CTE09305P/09036P

Class Fee - \$20.00

- Engineering Design follows Introduction to Engineering and Robotics. In this course students will deepen their understanding of the concepts from the first course but will ultimately apply them to a self-directed project of their choosing. This course has an opportunity for UAF credit.

Introduction to Eng & Robotics 1A/1B

CTEO305/306

Class Fee - \$20.00

- Introduction to Engineering is designed to introduce students to the wide array of skills needed for different engineering disciplines over the course of the year. Students will use their own creativity to solve problems and evaluate those solutions to make improvements.

Culinary Arts

Culinary Art 1A/1B

CTEI103/104

Class Fee - \$30.00

- 1A: Culinary Arts 1A is designed for students who are interested in learning how to cook at home. The course will include the study of simple food preparation techniques in a professional environment (e.g., baking, roasting, sautéing, stir-fry, pastries, salads).
- 1B: Culinary Arts 1B is designed for students who are interested in expanding basic cooking skills learned in Culinary Arts 1A. The course is offered at a higher level with a vision for food with an international flair.

Baking, Breads, and Pastries

CTEI110

Prerequisite Culinary Arts

Class Fee - \$30.00

- Go further into baking concepts than the beginning classes of 1A/1B or even ProStart. The science of baking is covered in detail and students will also learn the core skills required to craft creative adaptations of traditional recipes.

ProStart 1A/1B

CTEI106/109

Prerequisite Culinary Arts

Class Fee - \$30.00

- In ProStart 1A, students will learn the fundamental skills needed to begin a career in the food service industry. This course is an introduction to the foodservice industry, so students will explore topics such as an overview of what is in the foodservice industry, workplace safety, kitchen equipment and soups/sauces.

ProStart 2A/2B

CTE1107/1108

Prerequisite Culinary Arts

Class Fee - \$30.00

- In ProStart 2A, students will continue to learn and practice the fundamental skills needed to begin a career in the food service industry exploring topics such as purchasing and inventory, food preparation (e.g., meat, poultry, seafood, stocks sauces), accounting, tourism, retail, and communication.

Health Sciences

First Aid/CPR & Health Careers Exploration

CTEK136

Class Fee - \$25.00

- First Aid/CPR & Health Careers Exploration provides an overview of a wide variety of health career related jobs that are essential to the healthcare field. The course emphasizes basic first aid, CPR and AED use. Students will explore various health careers such as sports medicine, firefighting, dispatch and police, veterinary medicine, dental, psychology, optometry, chiropractic, massage therapy, nursing, medicine and forensics. This course will stress personal and interdisciplinary cooperation required to meet patient needs throughout all levels of healthcare. Upon satisfactory completion of the course, the student will be issued first aid and CPR/AED cards.

Intro to Exercise Sci & Sports Med 1A

CTEK110

Prerequisite Intro to Healthcare & Human Anatomy

Class Fee - \$25.00

- Introduction to Exercise Science & Sports Medicine 1A and 1B is a two-semester course designed to teach students components of sports medicine, including the exploration of therapeutic careers. Students will be able to understand and apply medical terminology and abbreviations, identify the anatomy and physiology of the human body, injury prevention, the healing process, rehabilitation techniques, therapeutic modalities, nutrition, and sports psychology.

Intro to Healthcare Occupations

CTEK135

Class Fee - \$25.00

- In Introduction to Healthcare Occupations students explore a variety of health related careers and a basic overview of the following areas: roles and responsibilities of health care workers, job and educational opportunities, medical terminology, medical math, legal and ethical issues, confidentiality, personal safety and infection control, problem solving, basic medical skills, and anatomy and physiology related to emergency care.

Medical Terminology 1A/1B

CTEK102/103

Prerequisite Intro to Healthcare

- Medical Terminology 1A introduces the building blocks of medical terminology, including word parts (combining forms, prefixes, and suffixes), how medical terms are formed, anatomical positions and planes, and correct pronunciation of medical terms and how medical terminology applies to human anatomy, physiology, and pathology. Content will be presented by body systems focusing on word construction, common diseases and conditions, surgical procedures, therapeutic treatments, medical record practice, case studies, and careers.
- Medical Terminology 1B reviews the building blocks of medical terminology, including word parts (combining forms, prefixes, and suffixes), how medical terms are formed, anatomical positions and planes, and correct pronunciation of medical terms and how medical terminology applies to human anatomy, physiology, and pathology. Content continues where Medical Terminology 1A ended on body systems with focus on word construction, common diseases and conditions, surgical procedures, therapeutic treatments, medical record practice, case studies, and careers.

Nutrition in Healthcare

CTEK1044

Class Fee - \$10.00

- Nutrition in Health Care is an introduction to the scientific principles of nutrition and their relationship to the life cycle. This course will focus on the importance nutrition plays in personal health, and how to objectively evaluate nutritional intake using scientifically sound resources. Students will analyze their own diets, the basic chemistry of nutrients, digestion and assimilation of food, and the relationship of diet to health and/or chronic disease. Coursework will emphasize teamwork, appreciation of cultural diversity, food safety, healthy snack choices, and meal planning in order to take control of the student's diet and health, as well as provide a foundation for a career in healthcare.



Air Force *JROTC* Elective Credits

GRADUATION REQUIREMENTS

Total Elective Credits - 7.0

APS Requirements

Math & Science Track - 0 Credits

Social Studies & Language Arts

Track - 0 Credits



Air Force JROTC (All ROTC Classes are year long)

AF JROTC Aviation History

MS270/271

1st year cadets

Class Fee - \$20.00

- This course focuses on the development of flight throughout the centuries. It starts with ancient civilizations and flight, then progresses through time to future developments in aerospace, with an introduction into cyber technologies. This course tells the story of why we are so proud of our Air Force heritage, laying the foundation for future Air Force JROTC aerospace science courses.

AF JROTC Drill & Ceremony (S1 only)

MS282 - Repeatable

9-12

Student will receive .5 PE credit per semester

Class Fee - \$20.00

- The course concentrates on the elements of military drill, and describes individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades, and development of the command voice. Cadets are provided detailed instruction on ceremonial performances and protocol for civilian and military events and have the opportunity to personally learn drill.

AF JROTC Honors Senior Project

MS288/289

Seniors only

Class Fee - \$20.00

- This course is a capstone/honors project designed for cadets to demonstrate essential skills through reading, writing, speaking, production, and/or performance. Skills in analysis, logic, and creativity will be showcased through successful completion of this project. The Honors Project is primarily targeted for senior cadets.

AF JROTC Management Cadet Corps

MS280/281

(for 11th & 12th Graders)

Full fills .5 PE credit per semester

Class Fee - \$20.00

- This hands-on experience affords cadets the opportunity to put theories of previous leadership courses into practice. Cadets in this course are responsible for the planning, organizing, coordinating, directing, controlling, and decision-making for our cadet corps activities. They will put into practice their communication, decision-making, personal interaction, managerial, and organizational skills.

AF JROTC Space Exploration

MS276/277

Prerequisites Aviation History

Full fills .5 PE credit per semester

Class Fee - \$20.00

- The course begins with the study of the space environment from the earliest days of interest in astronomy and early ideas of the heavens, through the Renaissance, and on into modern astronomy. It provides an in-depth study of the Earth, Sun, stars, Moon, and solar system, including the terrestrial and the outer planets. It discusses issues critical to travel in the upper atmosphere such as orbits and trajectories, unmanned satellites, and space probes.

AF JROTC Survival

MS286/287

Prerequisites Aviation History

Full fills .5 PE credit per semester

Class Fee - \$20.00

- This course is based on the Air Force survival manual. Although the manual is geared towards aircrew survival, it's serves as the foundation from which to learn skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival in a variety of situations. Special emphasis is placed on situations and conditions unique to Alaska, making this especially useful to those who may find themselves stranded in a snowstorm and in an emergency situation while enjoying any outdoor activity.