

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

**Course
Catalog
2026-2027**



North Pole High School Grading Scale

Letter Grade	Percentage Range	GPA Points Awarded	AP GPA Points Awarded
A	90-100	4.0	5.0
B	80-89	3.0	4.0
C	70-79	2.0	3.0
D	60-69	1.0	2.0
F	Less than 60%	0	0
P = Pass	60-100	No GPA Points	
NG = No Grade		No GPA Points	

A Semester Course is worth .50 CR
 Graduation Requirements 22.5 credits

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Updated 08/06/2026



NORTH POLE HIGH

GRADUATION REQUIREMENTS

English 4 Credits

English 9	1.0 Credit
English 10	1.0 Credit
American Literature	0.5 Credit
Other Literature	0.5 Credit
Writing Intensive	0.5 Credit
English Elective	0.5 Credit

Mathematics 3 Credits

Algebra I	1.0 Credit
Statistics	0.5 Credit
Additional Math	1.5 Credit

Students are required to complete 3.0 credits of high school math.

Health 0.5 Credits

Health	0.5 Credit
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Science 3 Credits

Physical Science	1.0 Credit
Biological Science	1.0 Credit
Additional Science	1.0 Credit

PE 1.5 Credits

PE	1.5 Credit
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FNSBSD sports can waive .25 credits of PE per completed sports season. Waived credits not to exceed 1.0 credits.

Social Studies 3.5 Credits

Alaska Studies	0.5 Credit
World Studies	1.0 Credit
U.S. Studies	1.0 Credit
Government	0.5 Credit
Economics	0.5 Credit

General Electives 7 Credits

Any class in any department counts as an elective credit.

22.5 Credits Required for Graduation



Fairbanks North Star Borough School District

Class of 2024 & Beyond

ALASKA PERFORMANCE SCHOLARSHIP CHECKLIST



To receive the APS and other forms of financial aid, students must complete the FAFSA (Free Application for Federal Student Aid) by **June 30th** of each year. **Visit studentaid.gov**



REQUIRED CURRICULUM

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 reflected on your official high school transcript.

Choose from option A, B, or C (curriculum options apply for *all* APS award levels)

Curriculum <i>Option A</i>	Curriculum <i>Option B</i>	Curriculum <i>Option C</i>
<div>Science 4 credits</div> <div>1 2 3 substitution 4 substitution</div>	<div>Science 3 credits</div> <div>1 2 3 substitution</div>	<div>Science 3 credits</div> <div>1 2 3 substitution</div>
<div>Math 4 credits</div> <div>1 2 3 4 substitution</div>	<div>Math 3 credits</div> <div>1 2 3 substitution</div>	<div>Math 3 credits</div> <div>1 2 3 substitution</div>
<div>Language Arts 4 credits</div> <div>1 2 3 4 substitution</div>	<div>Language Arts 4 credits</div> <div>1 2 3 4 substitution</div>	<div>Language Arts 4 credits</div> <div>1 2 3 4 substitution</div>
<div>Social Studies 4 credits</div> <div>1 2 3 4 substitution</div>	<div>Social Studies 4 credits</div> <div>1 2 3 4 substitution</div>	<div>Social Studies 4 credits</div> <div>1 2 3 4 substitution</div>
<div>Social Studies 4 credits</div> <div>1 2 3 substitution 4 substitution</div> <div>OR World Lng, AK Native Lng, Fine Arts, Cultural Heritage or CTE</div>	<div>Other 2 credits</div> <div>From the SAME subject: World Language, Alaska Native Language, Fine Arts, Cultural Heritage, or CTE</div>	<div>Other 2 credits</div> <div>From ANY subjects: World Language, Alaska Native Language, Fine Arts, or Cultural Heritage</div>

NOTE:

Highlighted sections above reflect **additional course substitutions** within each Curriculum Option. For example, in Curriculum Option A, two (2) Science credits may be substituted with 2 credits/years of rigorous additional non-standard Science course(s).



REQUIRED GPA -OR- TEST SCORE

	LEVEL 1	LEVEL 2	LEVEL 3
Maximum Award	UP TO \$7,000 PER YR	UP TO \$5,250 PER YR	UP TO \$3,500 PER YR
GPA -OR- Test Score	<div>☐ 3.5 OR GREATER</div> <div>-OR-</div> <div>☐ ACT..... 25 ☐ SAT..... 1210 ☐ WorkKeys.. 18 PLATINUM (no score below 6)</div>	<div>☐ 3.0 OR GREATER</div> <div>-OR-</div> <div>☐ ACT..... 23 ☐ SAT..... 1130 ☐ WorkKeys.. 15 GOLD (no score below 5)</div>	<div>☐ 2.5 OR GREATER</div> <div>-OR-</div> <div>☐ ACT..... 21 ☐ SAT..... 1060 ☐ WorkKeys.. 12 SILVER (no score below 4)</div>



NOTE:

Receive a qualifying score from **one** of the following tests: ACT, SAT, or WorkKeys

Questions? Visit aps.alaska.gov

ACPE APS Checklist | 800-441-2962 | rev. 8/2024

Class of 2024 & Beyond

ALASKA PERFORMANCE SCHOLARSHIP CHECKLIST



To receive the APS and other forms of financial aid, students must complete the FAFSA (Free Application for Federal Student Aid) by **June 30th** of each year. **Visit studentaid.gov**



APS QUALIFYING COURSES

- Only approved courses can be used to complete the required APS curriculum. Eligibility is determined based on courses with a letter grade reflected on your official high school transcript. Each requirement is for a complete unit of credit (can be 1 or more required APS course).
- The State Board of Education & Early Development has published the following approved standard courses. Any course matching the title of standard course with high school rigor can be used to meet APS curriculum requirements.
- Public School Districts may also approve additional courses. Each school district is responsible for providing students with a complete list of APS-qualifying courses.
- Private/Homeschool student APS eligibility is determined by the Department of Education & Early Development (DEED). Submit the *APS Eligibility Determination Application* found in the Private/Homeschool Students section of aps.alaska.gov. Any additional courses used to meet APS requirements must first be approved by DEED.

Please
NOTE:

Students in public school districts can select additional courses only from a list of approved additional courses provided by their district.



WAYS TO ACCESS APPROVED COURSES

Several alternative sources to access approved APS courses are available (such as the University of Alaska or others). In most cases, a fee will be required to enroll in these courses. If you are considering using courses from outside of your school to qualify for the APS, ensure these courses are approved by your district and meet APS requirements.

SCIENCE

standard courses

- ☐ Physical Science
- ☐ Earth Science
- ☐ Biology
- ☐ Chemistry
- ☐ Physics
- ☐ Marine Biology
- ☐ Anatomy & Physiology

LANGUAGE ARTS

standard courses

- ☐ Composition
- ☐ American Literature
- ☐ World Literature
- ☐ Speech & Debate
- ☐ Advanced Composition
- ☐ Creative Writing
- ☐ British Literature

MATH

standard courses

- ☐ Algebra 1
- ☐ Algebra 2
- ☐ Geometry
- ☐ Trigonometry
- ☐ Pre-calculus
- ☐ Calculus
- ☐ Calculus 2
- ☐ Statistics

SOCIAL STUDIES

standard courses

- ☐ World History
- ☐ American History
- ☐ Geography
- ☐ American Government
- ☐ Civics
- ☐ Economics
- ☐ Alaska History
- ☐ Western Civilization
- ☐ Eastern Civilization
- ☐ Psychology
- ☐ Sociology

FAQ

Review Our FAQ -

SEE FREQUENTLY ASKED QUESTIONS REGARDING APS FOR CLASS OF 2024 AND BEYOND AT:

aps.alaska.gov



Reminder -

Students must complete the FAFSA every year in order to receive the APS.

acpe.alaska.gov/alaskafafsacompletion



WHAT'S YOUR APS STATUS?

Check your award eligibility status and track disbursements from the Alaska Student Aid Portal (ASAP). Create account at acpe.alaska.gov/asap.

Questions? Visit aps.alaska.gov

ACPE APS Checklist | 800-441-2962 | rev. 8/2024



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

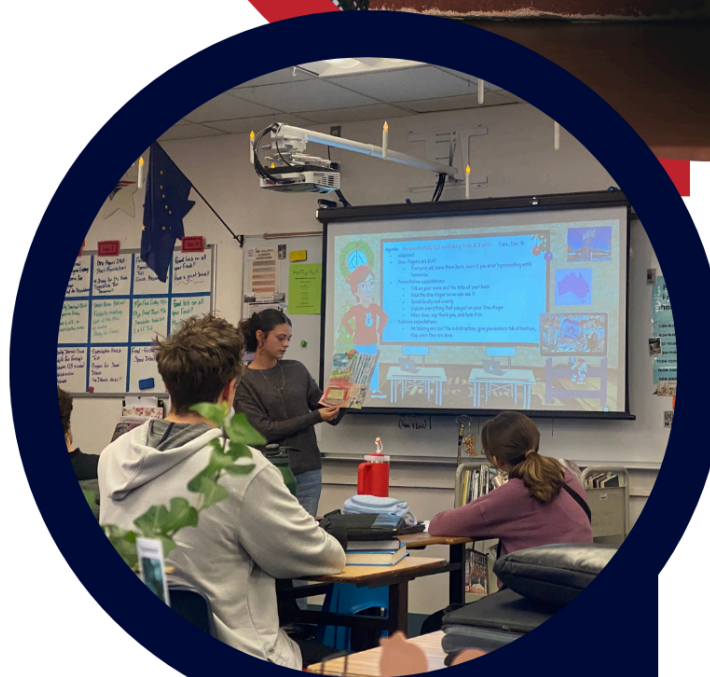
Total English Language Arts
Credits - 4.0

APS Requirements

Option A - 4.0 Credits

Option B - 4.0 Credits

Option C - 4.0 Credits



English Language Arts

English 9 (Year-long)

EN212/213

Grade: 9

- 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 9 Honors (Year-long)

EN214/215

Grade: 9

Prerequisite: *Teacher Recommendation*

- *English 9 Honors* is designed for advanced readers and writers. This class assumes more ability to read and write independently, more time in discussion rather than in supported reading, an increased reading pace, and a higher level of commitment and preparation in and out of class. This yearlong course fulfills two semesters of the English 9 requirement.

English 10 (Year-long)

EN222/223

Grade: 10

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.

AP Seminar/English 10 Honors (Year-long)

Course #: EN224P.1EN224P.2

Grade: 10

Prerequisite: *English 9*

Fee: AP Exam approx. \$100

- *AP Seminar/English 10 Honors* is designed for advanced readers and writers capable of in-depth analysis, and who have the interest and self-motivation to read and write independently. This class assumes more ability to read and write independently, more time in discussion rather than in supported reading, an increased reading pace, and a higher level of commitment and preparation in and out of class. The expectation of the level of discourse in this class is a heightened one. Therefore, learners have an increased level of accountability to their class community in terms of keeping up with reading and other assignments. This course continues the journey towards mature literacy. Learners will explore diverse literature and informational texts, including both visual and oral, to further develop reading, writing, speaking, listening, research, technological, and media literacy skills. They will write for a variety of audiences, write a research paper, and utilize tools to create error-free writing. Learners will also participate in class discussions, oral presentations, and group projects. This yearlong course fulfills two semesters of the English 10 requirement.

Updated 08/06/2026

American Literature (One Semester Required)

Native American Literature (One Semester)

EN285

Grades: 11-12

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 (One Semester)

EN323

Grades: 11-12

Prerequisite: *English 10*

- *American Literature: Shifting Dreams* is an 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. This course fulfills the American Literature requirement.

Other Literature (English Elective)

Holocaust Literature (One Semester)

EN202

Grades: 11-12

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.

Writing Intensive (One Semester Required)

Creative Writing (One Semester)

EN268

Grades: 11-12

Prerequisite: *English 10*

- *Creative Writing I* emphasizes the development of a creative writer's "toolbox" of techniques based on evaluating published models of creative nonfiction, poetry, fiction, and drama. Learners will practice strategies for finding inspiration, drafting in various genres, accepting and offering meaningful critical feedback, and revising toward a publishable product.

Composition & Media (One Semester)

EN201

Grades: 11-12

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.

AP Language & Composition (Year-long)

EN260/261

Grades: 11-12

Prerequisite: *English 10 and teacher recommendation*

- *AP Language and Composition* is a challenging course that provides an intensive experience in analyzing and applying rhetorical strategies and stylistic devices across the standard modes of discourse: narration, exposition, and argumentation. It focuses on effective writing and critical reading. It is designed to provide a learning opportunity for those learners capable of doing college level work, and the possibility of gaining advanced placement and/or credit in college English upon successful completion of the AP English Language and Composition Examination. The first semester of this course fulfills the writing intensive graduation requirement, and the second semester fulfills the English elective requirement.

English Electives (One Semester Required)

Speech & Debate (One Semester)

EN293

Grades: 10-12

Prerequisite: *at least 11th grade standing or teacher recommendation*

- In *Speech & Debate*, learners will embrace public speaking as performance, communication, and problem-solving. This introductory course will cover a variety of styles of public speaking and formal debate. Emphasis will be on argumentation, logical organization, research, working with others, and being a supportive audience member. Learners will become familiar with these styles through instruction, research, and practice.

Technical Drama (One Semester)

EN205

Grades: 9-12

Prerequisite: *Teacher recommendation*

- *Technical Drama* is designed to introduce learners to the technical aspects of performance: costuming, scenery, lighting, sound and stage design, stage management, house management, and publicity.

Theatre Performance I (One Semester)

EN297

Grades: 9-12

- *Theatre Performance I* is a performance-based class designed to introduce learners to the use of performance to express theatre literature. Learners should be aware that some colleges may not accept this performance course as an English course towards entrance requirements.



Mathematics

GRADUATION REQUIREMENTS

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

Total Math Credits - 3.0

APS Requirements

Option A - 4.0 Credits

Option B - 3.0 Credits

Option C - 3.0 Credits



Math

Algebra 1 (Year-long)

MA201/202

Grades: 9-12

- Algebra 1 formalizes and extends the mathematics that students learned in middle school. At the heart of Algebra 1 is the study of functions. Throughout the study of specific functions (notably linear, exponential, and quadratic functions), students will be able to see the structures of functions, to make generalizations about all functions, and to describe the uniqueness of specific functions. Within the study of functions, students will apply properties of numbers and equality to carry out operations within different functions, all with the goal of seeing the applicability of mathematics to describe and model a wide range of natural or man-made events.

This course fulfills the Algebra 1 graduation requirement. If students have not taken and passed this course in middle school, this is the first course in their high school math pathway.

Algebra for Finance 1A (One or Two Semesters)

MA276

Grades: 9-12

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

Grades: 9-12

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.

Computer Programming I & II

CTEO232/233

Grades: 9-12

Prerequisite: *Algebra I, concurrent enrollment in Algebra 1, or teacher recommendation*

- *Computer Programming* is a course designed to introduce basic programming concepts. Students will master concepts including integer arithmetic, basic sorts and searches, and use of data structures. Concepts of object-oriented programming and algorithm design within the syntax of a higher-level language will be introduced.

Students will earn 0.5 Math elective credit for both semester 1 and semester 2. Both semesters are approved for APS.

Geometry (Year-long)

MA221/222

Grades: 9-12

Prerequisite: *Algebra I or teacher recommendation*

- 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.

Geometry in Construction

MA320P/MA321P (Year-long)

Grades: 9-12

Prerequisite: *Algebra I*

- *Geometry in Construction* is a full year of Geometry with a career technical focus, taught in a two block period. Students will learn the same concepts as a traditional Geometry class, but will apply these concepts to a student business enterprise. Students will end the year ready for their next math class.

This course is paired with CTE Student Business Enterprise 2A/2B.

Introduction to Statistics (One Semester)

MA292

Grades: 9-12

Prerequisite: *Algebra I or teacher recommendation*

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

Math for Trades and Technical Careers (Year-long)

MA281/282

Grades: 9-12

Prerequisite: *None*

- *Math for Trades & Technical Careers* emphasizes the advanced and applied algebraic topics needed for success in industry-based occupations. The course is designed to introduce students to the mathematics used in various trades and apprenticeship programs through a focus on the practical application of mathematics.

Students are expected to master skills without the use of a calculator, in addition to working with applied problems using manipulatives, calculators, spreadsheets, application software, and specialized technologies. There will be a review of the real number system, fractions, measuring tools, unit conversions, ratios, proportions, percent, plane and solid geometry, systems of equations, trigonometry, and vectors.

AP Pre-Calculus (Year-long)

MA288P.1/289P.1

Grades: 10-12

Prerequisite: *Geometry & Algebra II*

- In *AP Pre-Calculus*, students explore everyday situations using mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. They will learn how to observe, explore, and build mathematical meaning from dynamic systems, an important practice for thriving in an ever-changing world.

Science

Alaska Zoology Fish and Birds (One Semester)

SC051

Grades: 9-12

Prerequisite: *Biology or teacher recommendation*

- Alaska Zoology: Fish and Birds explores 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

Grades: 9-12

Prerequisite: *Biology or teacher recommendation*

- Alaska Zoology: Mammals explores major Alaskan mammal groups. The general anatomy, physiology, and behavioral patterns of the major Alaskan mammal groups are discussed. The course will also include game laws/regulations, and environmental issues including conservation.

Biology (Year-long)

SC003/004

Grades: 9-12

Prerequisite: *Teacher Recommendation; freshman entry-level class*

- *Biology* is designed to meet the Life 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 begins 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.

Biology Honors (Year-long)

SC089/090

Grades: 9-12

Prerequisite: *Teacher Recommendation*

- Honors Biology is designed to meet the Life 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 begins 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.

Students will master all the topics covered in Biology, along with a variety of additional topics listed in the Science Curriculum.

Chemistry (Year-long)

SC022/023

Grades: 10-12

Prerequisite: *Teacher recommendation or Algebra I*

- *Chemistry* is an introductory, general chemistry course that 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.

Environmental Science 1A (One Semester)

SC091

Grades: 9-12

Prerequisite: *Teacher Recommendation*

- In *Environmental Science* students explore systems and the ways in which human systems affect and are affected by environmental systems. Students approach environmental issues by understanding ecological components and human perspectives. Students address bias and misunderstandings to develop their own opinions about environmental issues. This course focuses on climate change, natural resources, pollution, and energy, and uses all fields of sciences to help students form educated opinions and solutions based on evidence about current and future environmental problems facing society.

Students will earn life science credit during semester one (1A) and physical science credit during semester two.

Environmental Science 1B (One Semester)

SC092

Grades: 9-12

Prerequisite: *Teacher Recommendation*

- In *Environmental Science* students explore systems and the ways in which human systems affect and are affected by environmental systems. Students approach environmental issues by understanding ecological components and human perspectives. Students address bias and misunderstandings to develop their own opinions about environmental issues. This course focuses on climate change, natural resources, pollution, and energy, and uses all fields of sciences to help students form educated opinions and solutions based on evidence about current and future environmental problems facing society.

Students will earn life science credit during semester one (1A) and physical science credit during semester two (1B).

Forensics I (One Semester)

SC011

Grades: 11-12

Prerequisite: *Teacher recommendation or Biology and Chemistry*

- *Forensic Science* explores the principles & techniques of science and analyzing crime scene evidence. Emphasis is placed on laboratory techniques, scientific inquiry, communication skills, as well as aspects of the criminal justice system and the admissibility of evidence. Prior knowledge of human genetics and chemistry is preferred.

Forensics II (One Semester)

SC013

Grades: 11-12

Prerequisite: *Teacher recommendation or Forensic Science and Geometry*

- Intended for the more serious forensic science students. They will build upon their forensic knowledge by investigating advanced forensic science techniques. Students will continue to apply the principles and techniques of science to analyzing crime scene evidence. Emphasis will be placed on both qualitative and quantitative engineering design, as well as aspects of the criminal justice system and the admissibility of evidence. Being familiar with human genetics and chemistry is preferred.

Physical Science (Year-long)

SC009/010

Grades: 9-12

- *Physical Science* provides an introduction to the core concepts of physics and chemistry. Laboratory work is an integral part of the inquiry-based learning process, helping students develop an understanding of the concepts as well as the process of science. The first semester provides an introduction to the core concepts of chemistry (matter and its interactions) with little emphasis on mathematics. The second semester includes an exploration of mechanics (motion, forces, and energy), in addition to the development of important process skills.

Physics (Year-long)

SC031/032

Grades: 10-12

Prerequisite: *Teacher recommendation or Algebra 2 (can be taken concurrently)*

- *Physics* is organized around real world experiences (called storylines) that start with an interesting phenomenon leading students to ask questions that they investigate through hands-on activities, labs, and simulations. When they develop models that explain what is going on, they present their conclusions as a claim that is supported with reasoning from the evidence they collected. The teacher, as facilitator of the student research, can insert any questions that cover an aspect of the topic the students did not think of.

Marine Science (One Semester)

SC042

Grades: 10-12

Prerequisite: *Teacher recommendation or Biology*

- *Marine Science* 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)

SC062/063

Grades: 9-12

Prerequisite: *None*

- *Wildlife Biology* is focused on teaching key biological concepts through the study of Alaska wildlife. Through a placed-based lens, students who take this class will learn how to connect local, indigenous, and scientific knowledge together.



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

Option A- 4.0 Credits

Option B - 4.0 Credits

Option C - 4.0 Credits



Social Studies

Alaska Studies (One Semester)

SS029

Grades: 9-12

- 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. This class emphasizes civics in order to help learners become responsible and engaged citizens.

This course fulfills the Alaska state history graduation requirement.

AP U.S. History (Year-long)

SS016/017

Grade: 11

Prerequisite: *Successful completion of two semesters of World Studies or teacher recommendation*

Fee - AP Exam approx. \$100

- *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 (One Semester)

SS026

Grades: 11-12

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. They will also be able to practice real life skills, such as budgeting, managing credit, writing a resume, menu planning, filling out tax forms, renting, and furnishing a home.

Psychology (One Semester)

SS041

Grades: 10-12

Elective

- *Psychology* introduces learners to the systematic and scientific study of the behavior and mental processes of human beings and animals. Learners are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the methods psychologists used to explore the processes involved in normal and abnormal perceptions, thoughts, feelings, and actions.

U.S. History 1 (One Semester)

SS004

Grades: 10-11

Prerequisite: *World History*

- *Recent U.S. History 1* reviews the foundations of representative democracy before focusing on the people, cultures, issues, and events that shaped the United States from the Reconstruction era to the 1930s. Learners explore the influences and challenges that have shaped our nation. This course emphasizes the role of democratic principles, civic responsibility, and involvement that have guided the United States.

U.S. History 2 (One Semester)

SS005

Grades: 10-11

Prerequisite: *World History*

- *Recent U.S. History 2* focuses on the people, cultures, issues, and events that shaped the United States from the 1930s to the present. Learners explore the influences and challenges that have shaped our nation. This course emphasizes the role of democratic principles, civic responsibility, and involvement that have guided the United States.

U.S. Government and Civics (One Semester)

SS023

Grades: 11-12

Prerequisite: *US Studies semester 1 (may be concurrently enrolled)*

- In *United States Government and Civics*, learners become knowledgeable about the founding documents and philosophies that are the foundation of our representative democracy. Learners will examine the political structure and function of the government, United States political processes, issues confronting Americans, and the responsibilities of being an active participant in a representative democracy. They will also learn to identify the influence of media on our political system and public opinion.

U.S. Civil Rights Experience (One Semester)

SS058

Grades: 10-11

Prerequisite: *World History*

- In this one-semester course, learners will become familiar with the historical civil rights experiences of various marginalized groups, and the rights these groups gained over time. The learner will understand how the notions of equality under the law and popular sovereignty, articulated in the Declaration of Independence, have expanded throughout history by the actions of the legislative and judicial branches, as well as through grassroots civic engagement. The learner will explore the expansion or contraction of the rights of these various groups in areas such as housing, voting, marriage, property, access to public and private services, education, economics, criminal justice, etc. The learner will select one strand to explore throughout the semester, which may be different from what others in the class select. Below are some suggestions, but the list of strands is not limited to this selection.
 - Women
 - Indigenous Peoples
 - Latinos
 - African Americans
 - Disabled Persons
 - LGBTQ
 - Other marginalized groups
- *May be substituted for Recent US History S2

World Geography (One Semester)

SS030

Grades: 9-10

- *World Geography* explores the world through various climate, cultural, economic, and political structures.

World History 1 (One Semester)

SS001

Grades: 9-10

- *World History 1* 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. The learner will explore the influences of geography on humans, the creation of civilizations and empires, and the political systems that developed.

World History 2 (One Semester)

SS002

Grades: 9-10

- *World History 2* emphasizes the use of primary sources and critical thinking to look at cause and effect and analysis of historical interpretation. The focus will be on the global impacts of imperialism and industrialization in the 19th century, and the development of a true global society into the 21st century.

Updated 08/06/2026



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

Option A - 0 Credits

Option B - 0 Credits

Option C - 0 Credits



Health/PE

Fundamentals of PE (One Semester)

PE050 - Repeatable

Grades: 9-12

- *Fundamentals of Physical Education* is designed to be an introduction to high school physical education. It is strongly recommended that students take this course their 9th grade year because it provides a comprehensive overview of physical education and is a prerequisite for many other physical education courses. Competency is developed in a wide range of activities and students are prepared to make informed decisions about future recreation and fitness pursuits. This PE course will emphasize a positive environment with focus on students developing and exhibiting teamwork and sportsmanship during games and activities. This course includes the instruction of a variety of physical fitness activities from the fitness category and multiple activities from two or more of the following categories: Individual, Team, and Outdoor pursuits.

Weight Training (One Semester)

PE064 - Repeatable

Grades: 9-12

Prerequisite: *Fundamentals of PE*

- This physical education course will provide in-depth instruction in weight training. The main focus of the course will be to improve muscular strength and endurance, cardiovascular fitness, and flexibility. This course will emphasize a positive environment with focus on students developing and exhibiting teamwork and sportsmanship during games and activities. Prior to any training, students will learn about safe lifting, weight room safety, and cleaning and disinfecting the instructional space. Focus within the course will also include learning about periodization, the principles of overload and specificity, and determining personal best lifts. Emphasis will be placed on the student's ability to plan for improvement after developing goals and a personal fitness plan.

Health (One Semester)

HL001

Grades: 9-12

- *Health* focuses on the acquisition of accurate health information and the development of healthy attitudes and behavior patterns. Decision-making and goal-setting skills are presented at developmentally appropriate levels. Students will learn content and practice skills through the study of the following nine strands: Fundamentals of Health, Nutritional Health, Healthy Lifestyles, Healthy Relationships, Avoiding Hazardous Substances, Disease and Disorders, Body Systems, Body Systems, Sex and Reproduction, and Hygiene.



Art Elective Credits

GRADUATION REQUIREMENTS

Total Elective Credits - 7.0

APS Requirements

Option A - 0.5 Credits

Can be substituted for one standard course of Social Studies.

Option B - 2.0 Credits from same subject

Option C - 2.0 Credits from any subject



Art

Studio Art 1A/1B (One or Two Semesters)

AR001/128

Grades: 9-12

Class Fee - \$30

- *Studio Art 1A/1B* is recommended as a foundation for most other art courses. This primarily two-dimensional course covers fundamental skills, knowledge, attitudes, and technology necessary to begin producing and understanding the visual arts. Students learn to create and critique art and are encouraged to relate the beauty and meaning of art to their lives. 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. Students are exposed to the historical and contemporary role of the arts in Alaska, the nation, and the world. Studio Art 1B requires a greater degree of proficiency and higher expectations from students and teachers. Students do not need to be proficient in drawing to enroll. Portfolio development may be required. Media components may be explored or utilized.

2D Art Beginning (One Semester)

AR020

Grades: 9-12

Prerequisite: *None*

Class Fee - \$30

- *Beginning 2D Art* is a foundation for all upper level art classes. This course covers the fundamental skills, knowledge, attitudes, and technology necessary to begin producing and understanding the visual arts. Students learn to create, present, respond, and connect. This course will introduce students to a basic understanding of two-dimensional art through an exploration of drawing, painting, printmaking, and mixed media collage. It teaches the use of elements of art, principles of design, art history, artist research, creative thinking skills, visual culture, and the development of studio attitudes and aptitudes. Media components may be explored and utilized. Portfolio development may be required.

2D Art Intermediate (One or Two Semesters)

AR106/107

Grades: 9-12

Prerequisite: *2D Art, Beginning or Teacher Recommendation*

Class Fee - \$30

- *Intermediate 2D Art* is an intermediate level course where students refine their drawing, design, painting, and printmaking skills. A variety of subject matter, materials, and technologies will be used to solve two-dimensional visual problems. Students will continue to create, present, respond, and connect to art in their personal lives. Fall semester will focus on drawing and design skills. Spring semester will focus on painting and printmaking. Portfolio and sketchbook development may be required. Media components may be explored and utilized. Students intending to take AP Studio Art: Drawing or 2D Design are encouraged to take two semesters of Intermediate 2D Art.

Updated 08/06/2026

Ceramics Beginning 1A/1B (One or Two Semesters)

ART130/096

Grades: 9-12

Prerequisite: *None*

Class Fee - \$45

- *Beginning Ceramics* covers the fundamental skills, knowledge, attitudes, and techniques necessary to begin understanding ceramics. Students learn a variety of hand-building techniques while working with clay and may be introduced to the potter's wheel. They begin to apply design elements and the principles of art. Students learn to critique their own art and the art of others and are encouraged to relate the beauty and meaning of art to their lives. Students are exposed to the historical and contemporary role of ceramics from various cultures throughout the world. Media components may be explored and utilized.

Painting 1A/1B (One or Two Semesters)

AR023/022

Grades: 9-12

Prerequisite: *Studio Art 1A/1B or Teacher Recommendation*

Class Fee - \$30

- Painting develops students' understanding of color theory and painting skills. Students explore a variety of painting media, approaches, techniques, surfaces, and technologies. They continue to critique their own art and the art of others. They are encouraged to relate beauty and meaning of art to their lives, and to develop an understanding of values, beliefs, ideas, and traditions of various cultures through the study of art. Portfolio development may be required. Technology may be applied for reference or support.

Jewelry: Beginning 1A/1B (One or Two Semesters)

AR131/118

Grades: 10-12

Prerequisite: *None*

Class Fee - \$35

- *Beginning Jewelry 1A/1B* covers the fundamental skills, knowledge, attitudes, and technology necessary to begin to understand jewelry. Various jewelry-making processes are explored as students work with different materials and tools. Students learn to make critical judgments about their own art and the art of others and are encouraged to relate the beauty and meaning of art to their lives. They are exposed to the historical and contemporary role of jewelry throughout the world. Beginning Jewelry 1B requires a greater degree of proficiency and higher expectations from students and teacher. 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. Portfolio development may be required. Media components may be explored and utilized.

AP Studio Art: 2D Design (Year-long)

AR028/029

Grades: 11-12

Prerequisite: *Teacher Recommendation*

Class Fees - \$40.00 + portfolio submission fee

- The AP program offers three studio art courses and portfolios: *AP Studio Art 2D Design*, *AP Studio Art 3D Design*, and *AP Studio Art Drawing*. The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. Students submit portfolios for evaluation at the end of the school year. The AP Studio Art program consists of three portfolios (2D Design, 3D Design, and Drawing) corresponding to the most common college foundation courses. Students may choose to submit any or all of the 2D Design, 3D Design, or Drawing portfolios. 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

Option A- 0.5 Credits

Can be substituted for one standard course of Social Studies.

Option B - 2.0 Credits from the same subject

Option C - 2.0 Credits from any subject



Choirs

Concert Choir (Year-long)

MU016/017 - Repeatable

Grades: 9-12

Prerequisite: *Audition or Teacher Recommendation*

Class Fee - \$40 + Uniform/Cleaning Fee

- *Concert Choir* is a performing vocal ensemble and 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 course syllabus.

Show / Jazz Choir (One Semester)

MU019 - Repeatable

Grades: 9-12

Prerequisite: *Audition or Teacher Recommendation*

Class Fee - \$40 + Uniform/Cleaning Fee

- *Show/ Jazz Choir* is a performance ensemble elective designed for the advanced choir student. This class gives students the opportunity to experience jazz and pop style music: their different styles and unique creative process. Daily class time is spent on literature with a focus on technique, ensemble skills, and performance etiquette. Movement and dance are an integral part of this course. Students will be required to be in a Concert, Tenor/Bass, Treble Choir, or another performing ensemble with instructor's permission. There will be many opportunities to perform in concerts, at public functions, and to travel to regional and statewide music festivals.

Mixed Choir (Year-long)

MU001/002 - Repeatable

Grades: 9-12

Class Fee - \$40 + 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. Performance opportunities may be made available for various audiences as described in the course syllabus.

Treble Choir (Year-long)

MU004/005 - Repeatable

Grades: 9-12

Prerequisite: *Audition or Teacher Recommendation*

Class Fee - \$40 + Uniform/Cleaning Fee

- *Treble Choir* is a performing vocal ensemble and 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

Concert Band (Year-long)

MU034/035 - Repeatable

Grades: 9-12

Prerequisite: *Audition or Teacher Recommendation*

Class Fee - \$40 + Uniform/Cleaning Fee

- *Concert Band* is designed for those students who are not ready for the advanced courses, but are past the beginning stage. The course will spend time on technical exercises, scales, etudes, solo, and ensemble literature and appropriate level band literature. This group is a performance ensemble and represents its school at public functions, athletic events, and evening performances.

Symphonic Band (Year-long)

MU037/038 - Repeatable

Grades: 9-12

Prerequisite: *Audition*

Class Fee - \$40 + Uniform/Cleaning Fee

- *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.

Jazz Band (Year-long)

MU042/043 - Repeatable

Grades: 9-12

Prerequisite: *Audition or Teacher Recommendation*

Class Fee - \$40 + Uniform/Cleaning Fee

- *Jazz Band* is a performance ensemble elective designed for the advanced band student. This class gives students the opportunity to experience jazz music, its different styles, and unique creative process. Daily class time is spent on literature with a focus on technique, ensemble skills, and performance etiquette. Students will be required to also be in Symphonic Band, Concert Band, or Chamber Orchestra, unless they play an instrument not commonly found in those ensembles. There will be many opportunities to perform in concerts, at public functions, and to travel to regional and statewide music festivals. Recommended contact time for high school jazz band is 270 minutes per week. This is a progressive skills class, which may be repeated for credit.

Orchestra

Chamber Orchestra (Year-long)

MU031/032 - Repeatable

Grades: 9-12

Prerequisite: *Audition or Teacher Recommendation*

Class Fee - \$40 + Uniform/Cleaning Fee

- *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.

Concert Orchestra (Year-long)

MU045/046 - Repeatable

Grades: 9-12

Prerequisite: *Audition or Teacher Recommendation*

Class Fee - \$40 + Uniform/Cleaning Fee

- *Concert Orchestra* is designed for those students who are not ready for the advanced courses but are past the beginning stage. The course will spend time on technical exercises, as well as some orchestral literature in preparing the students for Chamber Orchestra. Recommended contact time for high school orchestra is at least four times each week during the school day.



***World
Languages***
**Elective
Credits**

GRADUATION REQUIREMENTS

Total Elective Credits - 7.0

APS Requirements

Option A - 1.0 Credits

Can be substituted for one standard course of Social Studies.

Option B - 2.0 Credits from the same subject

Option C - 2.0 Credits from any subject



World Languages

Spanish I (Year-long)

FL055/056

Grades: 9-12

Class Fee - \$20 + 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

Grades: 9-12

Prerequisite: *Spanish I or teacher recommendation*

Class Fee - \$20 + 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.



Career Technical Education **Elective Credits**

GRADUATION REQUIREMENTS

Total Elective Credits - 7.0

APS Requirements

Option A - 1.0 Credits

Option B - 2.50 Credits from same
subject

Option C - 2.50 Credits from any
subject



Agriculture, Food, & Natural Resources

Intro to Agriculture (One Semester)

CTEAG200

Grades: 9-12

- *Introduction to Agriculture* provides students the opportunity to analyze the importance of agricultural education in a real-world context, integrating Career and Technical Education and Science content standards. Students will have the opportunity to compete in state and national FFA leadership and career proficiency events. Students will also have the opportunity to interact with industry professionals in horticulture, vet science, natural resource management, business and marketing, and climatology. Class time will be divided equally between the classroom and greenhouse.

Students will earn CTE elective credit, with the option for Science elective credit, if needed for graduation.

Agriculture Animal Health & Veterinary Science (One Semester)

CTEAG202

Grades 10-12

Prerequisite: *Intro to Agriculture, Medical Terminology IB or Teacher Recommendation*

- *Animal Health & Veterinary Science* focuses on the development of essential knowledge and technical skills required for entry into careers within the veterinary science and veterinary medicine fields. Students will engage in hands-on practice to learn to identify unhealthy animals, will learn about disease prevention and treatment, and will learn when to contact a veterinary professional about an unwell animal. By working on real-life case studies, they further enhance their critical thinking skills and gain a deeper understanding of the complex relationships in the animal healthcare industry. Additionally, the course emphasizes the importance of professional ethics, business management, decision-making, and interpersonal communication. Students will have opportunities for experiential learning and leadership through Supervised Agricultural Experience and FFA involvement, including participation in the Alaska FFA Veterinary Science CDE competition, which aims to enhance college and career readiness by offering students chances to build technical knowledge and showcase practical skills within the veterinary science field.

Agriculture Food Processing, Safety and Marketing (One Semester)

CTEAG204

Grades 10-12

Prerequisite: *Intro to Agriculture, Agriculture: Plant Science, Agriculture: Animal Health & Veterinary Science*

- *Agriculture: Food Processing, Safety, and Marketing* is designed to allow students to build content knowledge and technical skills about the food science industry. Students will explore areas such as food safety, food processing, product development, and marketing. Students will participate in problem-solving activities that simulate real-world scenarios. At the end of the semester students will complete a final project that includes developing and marketing an agricultural product. Students will receive food safety training certifications that can be utilized in future careers. Additionally, students will discover the links between their food science lessons and opportunities for experiential learning and leadership through Supervised Agricultural Experience and FFA involvement.

Automotive Technology

Small Engines 1A (One Semester)

CTEE305

Grades: 9-12

Class Fee - \$25

- *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 (One Semester)

CTEE306

Grades: 9-12

Prerequisite: *Small Engines 1A and/or teacher recommendation*

Class Fee - \$25

- *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 Automotive Technology 1A (One Semester)

CTEE101

Grades: 10-12

Prerequisite: *Small Engines 2A/B and/or teacher recommendation*

Class Fee - \$25

- *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 Automotive Technology 1B (One Semester)

CTEE1012

Grades: 10-12

Prerequisite: *Basic Automotive Technology 1A and/or teacher recommendation*

Class Fee - \$25

- *Basic Automotive Technology 1B* is an introduction to light vehicle transportation. During the course, basic fundamentals about automotive systems and repair are covered for entry into the advanced 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.

Intermediate Automotive Technology 1 (One Semester)

CTEE1013P

Grades: 10-12

Prerequisite: *Basic Auto Tech 1B*

Class Fee - \$25

- *Intermediate Automotive Technology 1* is the first of two semesters of an intermediate level course designed for the student that is looking to expand their knowledge of brake systems as well as tires and wheels. This course concentrates on tasks covered in the ASE Education Foundation – Maintenance and Light Repair (MLR) Program and has a prerequisite completion of Basic Automotive Technology 1A or equivalent.

Intermediate Automotive Technology 2 (One Semester)

CTEE1014P

Grades: 10-12

Prerequisite: *Intermediate Automotive Technology 1*

Class Fee - \$25

- *Intermediate Automotive Technology 2* is the second of two semesters of an intermediate level course designed for the student that is looking to expand their knowledge of automotive steering & suspension systems, manual drive train & axles, and automatic transmissions & transaxles. This course concentrates on tasks covered in the ASE Education Foundation – Maintenance and Light Repair (MLR) Program standards and has a prerequisite of Intermediate Automotive Technology 1A or equivalent.

Advanced Automotive Technology (Two Semesters, two-period block per semester)

CTEE100/CTEE1002

Grades: 11-12

Prerequisite: *Basic Automotive Technology 1A/1B and/or teacher recommendation*

Class Fee - \$25

- *Advanced Automotive Technology* is an advanced course designed for the student that is serious about pursuing a career in the automotive field. The content is rigorous and covers the higher-level task allocations set forth by ASE Education Foundation, and adheres to the Maintenance and Light Repair (MLR) program standards. 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.

This is a double-blocked course, with two periods per semester. In the first semester, students will earn 1 CTE elective credit (0.5 per period) and 1 Science elective credit in semester two.

Welding Technology

Metalworking (One Semester)

CTEC4011/4022

Grades: 9-12

Class Fee - \$25

- 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 (One Semester)

CTEC501

Grades: 9-12

Prerequisite: *None*

Class Fee - \$35

- *Welding 1A* will follow the guidelines set forth by the American Welding Society for entry-level welder. Throughout the course, safety will be a primary consideration as the students gain basic knowledge of shielded metal arc welding, oxyacetylene welding and cutting, plasma cutting, and electrical tools and equipment. Students will also be introduced to basic shop drawings, welding symbols, and basic visual inspection of welds.

Welding 1B (One Semester)

CTEC5022

Grades: 9-12

Prerequisite: *Welding 1A*

Class Fee - \$35

- *Welding 1B* is a continuation of *Welding 1A*, and will follow the guidelines set forth by the American Welding Society for entry-level welder. Throughout the course, safety will be a primary consideration when students continue to use the Shielded Metal Arc Welding, oxyacetylene welding and cutting, plasma cutting, and electrical equipment. Students will also learn to read shop drawings, welding symbols, and advanced visual inspection of welds. They will learn the basics of the Gas Metal Arc Welding process.

Culinary Arts

Culinary Art 1A (One Semester)

CTEI103

Grades: 9-12

Class Fee - \$30

- *Culinary Arts 1A* is designed for students who are interested in learning how to cook. The course will include the study of simple food preparation techniques in a professional environment (e.g., baking, roasting, sautéing, stir-fry, pastries, salads). Students will learn safe and sanitary food-handling practices, materials organization, workplace safety, food substitutions, conversions, and measuring. Students learn the use of culinary equipment in the workplace environment. Nutrition is taught as healthy food habits are aligned with lab assignments.

Culinary Art 1B (One Semester)

CTEI104

Grades: 9-12

Prerequisite: *Culinary Arts 1A*

Class Fee - \$30

- *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 preparation in the industry. An emphasis is placed on meal planning, restaurant management, and service. Students learn skills for stocks, chicken fabrication, specialty desserts and pastries, breads, garnishing and plating techniques, fish, poultry and meat, and international and regional cuisine. Students continue to practice visual organization, industry-based food safety practices, workplace safety, and sustainability. Students are given opportunities for personal exploration in hospitality, food management, and production.

Baking, Breads, and Pastries (One Semester)

CTEI110

Grades: 10-12

Prerequisite: *Culinary Arts 1A/1B*

Class Fee - \$30

- In *Baking, Breads, & Pastries*, students go further into baking concepts than the beginning classes of 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. Students are required to obtain the A/P2 certification.

ProStart 1A (One Semester)

CTEI106

Grades: 10-12

Prerequisite: *Culinary Arts 1A/1B or Teacher Recommendation*

Class Fee - \$30

- 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.

ProStart 1B (One Semester)

CTEI109

Grades: 10-12

Prerequisite: *ProStart 1A*

Class Fee - \$30

- In *ProStart 1B*, students will continue to learn the fundamental skills needed to begin a career in the food service industry. This course continues 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 basic food preparation techniques.

ProStart 2A (One Semester)

CTEI107

Grades: 11-12

Prerequisite: *ProStart 1A/1B*

Class Fee - \$30

- In *ProStart 2A*, students will continue to learn and practice the fundamental skills needed to begin a career in the food service industry. This course continues an introduction to the foodservice industry and will explore topics such as purchasing and inventory, food preparation (e.g., meat, poultry, seafood, stocks sauces). Additionally, students will learn about the business of food service including accounting, tourism, retail, and communication.

ProStart 2B (One Semester)

CTEI108

Grades: 11-12

Prerequisite: *ProStart 2A*

Class Fee - \$30

- In *ProStart 2B*, students continue to learn the fundamental skills needed to begin a career in the food service industry. This course further explores the foodservice industry (e.g., restaurants, tourism, global cuisine, public/private sector employment opportunities). Food preparation techniques and skills are mastered (e.g., pastries, baked goods, breads, sauces, menu planning). Students will also practice food management and marketing (e.g., communication, international relations, costing, advertisement, equipment, inventory control, accounting practices, sustainability).

Health Sciences

First Aid/CPR & Health Careers Exploration (One Semester)

CTEK136

Grades: 9-12

Class Fee - \$25

- *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 Science & Sports Medicine 1A (One Semester)

CTEK110

Grades: 11-12

Prerequisite: *Introduction to Healthcare Occupations, Human Anatomy & Physiology, or Teacher Recommendation*

Class Fee - \$25

- *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 Exercise Science & Sports Medicine 1B (One Semester)

CTEK111

Grades: 11-12

Prerequisite: *Introduction to Exercise Science & Sports Medicine 1A*

Class Fee - \$25

- *Introduction to Exercise Science & Sports Medicine 1B* is a continuation of *Introduction to Exercise Science and Sports Medicine 1A* and is 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.

In the second semester of *Introduction to Exercise Science & Sports Medicine (1B)* students will earn 0.5 Science elective credit.

Intro to Healthcare Occupations (One Semester)

CTEK135

Grades: 9-12

Class Fee - \$25

- 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 (One Semester)

CTEK102

Grades: 10-12

Prerequisite: *Introduction to Healthcare Occupations*

- *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 (One Semester)

CTEK103

Grades: 10-12

Prerequisite: *Medical Terminology 1A*

- *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 (One Semester)

CTEK1044

Grades: 9-12

Class Fee: \$10

- *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.

Updated 08/06/2026

ARCHITECTURE & CONSTRUCTION

Building Trades 1A (One Semester)

CTEC3011

Grades: 9-12

Prerequisite: *Algebra I (may be concurrently enrolled)*

Class Fee: \$25

- *Building Trades 1A* is designed to introduce students to basic construction craft skills and industry expectations. Shop safety concepts will be emphasized along with the introduction and use of common hand and power tools. There will also be an emphasis on promoting employability skills such as critical thinking/problem-solving, communication skills, and teamwork. These skills will be reinforced through hands-on experiences.

Building Trades 1B (One Semester)

CTEC3022

Grades: 9-12

Prerequisite: *Building Trades 1A*

Class Fee: \$25

- *Building Trades 1B* is a continuation of *Building Trades 1A*. This course is designed to introduce students to basic construction craft skills and industry expectations. Shop safety concepts will be emphasized along with the introduction and use of common hand and power tools. There will also be an emphasis on promoting employability skills such as critical thinking/problem-solving, communication skills, and teamwork. These skills will be reinforced through hands-on experiences involving more complex individual and group projects. (A)



Air Force JROTC

Elective Credits

GRADUATION REQUIREMENTS

Total Elective Credits - 7.0

APS Requirements

Option A - 0 Credits

Option B - 0 Credits

Option C - 0 Credits



Air Force JROTC (All ROTC Classes are year long)

AF JROTC Aviation History (Year-long)

MS270/271

1st Year Cadets

Class Fee - \$35

- 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

Grades: 9-12

Prerequisite: *Concurrently enrolled in one other JROTC or AFJROTC course*

Class Fee - \$35

- 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.

Students will receive a 0.5 PE credit per semester.

AF JROTC Honors Senior Project (Year-long)

MS288/289

Grades: 11-12

Prerequisite: *Three years of JROTC or Teacher Recommendation*

Class Fee - \$35

- 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 (Year-long)

MS280/281

Grades: 10-12

Class Fee - \$35

- 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.

Second through fourth-year students receive a 0.5 PE credit the first semester and a 0.5 elective credit the second semester.

AF JROTC Global & Cultural Studies (year-long)

MS274/275

Class Fee \$35

- Introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Throughout the course, there are readings, video segments, hands-on activities, other optional activities, technology enrichment, and assessments to guide in the reinforcement of the materials.

Second through fourth-year students receive a 0.5 PE credit the first semester and a 0.5 elective credit the second semester.