
Fairbanks High School



Course
Offerings
2012-2013

Fairbanks High School



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*Fairbanks Local Schools, a community-minded district,
is committed to providing all students with an innovative and progressive education.*

Table of Contents

Athletic Eligibility	7
College Admission Requirements.....	4
Course Descriptions	
Advanced Placement	21
Agriculture Education.....	8, 9
Art.....	9, 10
Business Education.....	10
English.....	11, 12
Family Consumer Sciences.....	13, 14
Foreign Language	14, 15
Library/Media.....	15
Mathematics.....	16, 17
Music	17, 18
Office Worker.....	21
Science.....	18, 19
Social Studies	19-21
Wellness.....	21
Yearbook (Memory Production).....	15
Diploma with Honors.....	5
Early Graduation.....	7
Graduation Requirements	4
Minimum Class Requirements.....	5
NCAA/NAIA Eligibility Centers.....	6
Testing (PSAT, ACT, SAT).....	6
Requirements for Grade Promotion	6
Schedule Change Policy.....	6

Graduation Requirements

Requirements	Class of '13
English	4
Mathematics	3
Science	3
Social Studies	3
PE/Health	1
Fine Arts, Foreign Language, or Technology	1
Electives	6
Proficiency	OGT
TOTAL	21

Requirements	Class of '14	Class of '15	Class of '16
English	4	4	4
Mathematics	4	4	4
Science	3	3	3
Social Studies	3	3	3
Phys Ed*	.5	.5	.5
Health	.5	.5	.5
Fine Arts	.5	.5	.5
Financial Mgt I	.5	.5	.5
Electives	5	5	5
Proficiency	OGT	OGT	OGT
TOTAL	21	21	21

***Phys Ed Waiver** - Students in grades 9 – 11 may be exempt from the Phys Ed course requirement by participating in district-sponsored interscholastic athletics, marching band, or cheerleading for at least two athletic seasons during grades 9 – 11. Students still need to earn a minimum of 21 credits to meet the graduation requirements. Please see the guidance counselor for the complete policy.

All students must pass all sections of the Ohio High School Graduation Test (OGT). The Board of Education assumes that at the time of graduation each student will have fulfilled all academic and financial obligations. A school record that documents good scholastics, attendance, behavior, and attitude is the best recommendation an applicant can offer to a college or a prospective employer.

Note: The ultimate responsibility for tracking and completing necessary credits for graduation lies with the student and parents.

College Admission Requirements

Courses	College Admission Requirements
English	4 credits
Mathematics	4 credits (Algebra I & II & Geometry)
Science	3 credits (2 lab courses)
Social Studies	3 credits
Foreign Language	2 credits of the same language, but 3 credits recommended
Health	.50 credit
Visual or Performing Arts	1 credit
Electives	2 or more (varies)
TOTAL REQUIRED	19+ CREDITS (VARIES) (A college prep curriculum often includes a minimum of 21 credits or more)*

*State universities in Ohio have endorsed the Ohio Minimum Core Curriculum which includes 4 English, 4 Math, 3 Science, 3 Social Studies, 2 Foreign Language and 1 Arts credits. The Ohio Department of Education and the Ohio Board of Regents recommends 3 credits of the same Foreign Language.

Students wishing to enter a math/science program in college will be expected to have 4 credits in math and in science.
ALL COLLEGE PREPARATORY STUDENTS SHOULD ASSUME RESPONSIBILITY FOR UNDERSTANDING THE ADMISSION REQUIREMENTS OF THE COLLEGE OF THEIR CHOICE.

Minimum Class Requirements

Minimum Number of Classes Students Must Take Per Year:

9th Grade – Attend school all day

10th Grade – Attend school all day

11th Grade – Minimum of 6 credit granting periods each semester. (Early Dismissal **or** Late Arrival)

12th Grade – Minimum of 5 credit granting periods each semester. (Early Dismissal **and/or** Late Arrival)

*Provisions will be made for PSEO students.

Criteria for Diploma with Honors

<i>Students need to fulfill 7 of the 8 criteria for either of the following Diplomas with Honors.</i>		
Subject	High School Academic Diploma with Honors	Career-Technical Diploma with Honors
English	4 units	4 units
Mathematics	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
Science	4 units, including physics and chemistry	4 units, including physics and chemistry
Social Studies	4 units	4 units
Foreign Language	3 units, including at least 2 units in each language studied	Not counted toward requirements
Fine Arts	1 unit	Not counted toward requirements
Career-Technical	Not counted toward requirements, and may not be used to meet requirements	Now counted in Electives
Electives	Not counted toward requirements	4 units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post secondary credit.
Grade Point Average	3.5 or higher on a 4.0 scale	3.5 or higher on a 4.0 scale
ACT/SAT Score <small>*excluding scores from the writing sections</small>	27 or higher ACT / 1210 or higher SAT	27 or higher ACT / 1210 or higher SAT
Additional Assessment	Not applicable	Achieve proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or equivalent

NCAA & NAIA Eligibility Center

Student athletes considering participation in athletics at Division I or II colleges or universities must register with the NCAA Eligibility Center. The Eligibility Center home page may be accessed directly at www.eligibilitycenter.org or through links from the NCAA's website at www.ncaa.org.

Student athletes considering participation in athletics at a college or university that is a member of the NAIA will need to register at the NAIA Eligibility Center. This site may be accessed at www.playnaia.org. You can get a list of colleges that are part of the NAIA through www.playnaia.org/schoolsearch.php.

For both centers, students must file online and contact the school counselor to submit transcripts.

PSAT, ACT, SAT

The suggested times for taking these tests are as follows:

PSAT	Fall of junior year (or sophomore year for practice)
ACT, SAT	Junior Year – 2 nd Semester of the junior year is recommended. These tests may be retaken in the senior year if desired. Senior Year – September or October of the senior year if desired.

Requirements for Grade Promotion

Grade 9	Promotion from Grade 8 (0 – 4 credits)
Grade 10	Students with at least 4 ¼ credits
Grade 11	Students with at least 9 ¼ credits
Grade 12	Students with at least 14 credits or have a plan approved by the principal that will allow for completion of the minimum requirements for graduation by the end of the current school year.

Schedule Change Policy

Schedule changes of any kind are to be treated seriously. During registration, students should confer with parents, teachers, and the counselor to assure that they are placed properly. Fairbanks High School's master schedule is organized around the requests of students. Scheduling requests are met to the best of our ability as we build the master schedule. Once the schedule is constructed, changes in requests play havoc with the balance and efficiency. **There will be minimal schedule changes in the fall.**

Students must abide by the decisions made regarding registration for the next school year. Schedule changes will not be made in the fall except for educational placement or clerical changes. In a few cases, necessary schedule changes may be made during the first five days of each course **ONLY** with parent permission and counselor approval. Schedule changes that occur after the first five days of the course require the principal's permission. Schedule changes will rarely be approved by the principal after the first five days of the semester.

Athletic Eligibility

Eligibility

The Fairbanks Local Board of Education approved the present grade point eligibility guidelines for athletic eligibility. The guidelines are as follows:

The GPA for eligibility is determined each nine-week grading period and only the grades earned each nine weeks are considered when determining athletic eligibility. The requirements are as follows:

- Through the **first year** a student must maintain a 1.0 GPA or higher each nine weeks to participate in athletics the next nine weeks.
- Through the **second year** a student must maintain a 1.5 GPA or higher each nine weeks to participate in athletics the next nine weeks.
- Through the **third year** a student must maintain a 1.75 GPA or higher each nine weeks to participate in athletics the next nine weeks.
- Through the **fourth year** a student must maintain a 2.0 GPA or higher each nine weeks to participate in athletics the next nine weeks.

In addition to the guidelines set forth by the Fairbanks Local Board of Education, the OHSAA rules for eligibility require that each student must receive during the preceding grading period, passing grades in a minimum of five one credit courses or the equivalent which count toward graduation. **The fourth nine weeks grading period determines eligibility for the first nine weeks of the following school year.**

The eligibility or ineligibility of a student continues until the start of the fifth school day of the next grading period, at which time the grades from the preceding grading period become effective. The exception is the first grading period where grades from the preceding grading period commence with the start of the fall season.

Early Graduation

Students who want to graduate from high school in less than the normal four-year period must meet the following requirements and are governed by the following:

1. All requirements for graduation as established by the Fairbanks Local Board of Education and the State Department of Education shall be met in full.
2. The student desiring to graduate early must be enrolled full-time and carry a full academic load during the year he/she graduates.
3. Any credit earned toward graduation taken by private instruction, summer school, night school, extended day school, correspondence courses or other outside means, must be approved by the high school principal before the student enrolls in the course.
4. The student and his/her parents or legal guardian must make an appointment with the high school principal or guidance counselor to discuss career and job guidance, educational opportunities, employment outlook, and social adjustment in an adult world before permission will be granted to graduate early.
5. All cases are to be acted upon individually by the Board of Education.
6. **Applications for early graduation must be received by the high school principal by July 1 of the beginning of the school year the student would graduate, unless new circumstances occur between that date and the beginning of the school year.**
7. Students who graduate early during times of transition between graduation requirements, must meet the standards of the class with which they graduate.
8. Students permitted to graduate early must take required courses through the school's regular program or be scheduled in an acceptable alternative by the high school principal.
9. When the Board of Education approves early graduation for a student, the diploma earned will be given to the student upon completion of the graduation requirements.
(Fairbanks Board of Education Policy IKF-R)

COURSE DESCRIPTIONS

**Fees Listed are Subject to Change*

Agricultural Education

Intro to Agriculture, Food, and Natural Resources
1.25 Credits

Fee: \$15
Grades: 9-12

Prerequisite: None

This first year Agricultural course will focus on the areas of career development, animal & plant science, and environmental sciences. Students will also learn basic woodworking and leadership skills. Each student will have the opportunity to join the FFA, participate in career development events, and have an SAE (Supervised Agricultural Experience) project. This course is designed to be a hands-on learning course. FFA Membership dues are \$20.

Animal and Plant Science Technology and Communication
1.25 Credits

Fee: \$15
Grades: 10-12

Prerequisite: Agricultural Education I

This second year agricultural course will focus on the areas of advanced animal and plant sciences. Students will develop wood and metal projects working in the shop relating to animal care. This course will use GPS, Google Earth, and Web Design. Each student will have the opportunity to join the FFA, participate in career development events, and have an SAE (Supervised Agricultural Experience) project. This course is designed to be a hands-on learning course. FFA Membership dues are \$20.

Power and Technology
1.25 Credits

Fee: \$20
Grades: 10-12

Prerequisite: Any Agricultural Education Class

This course will combine carpentry, metal fabrication and small engine mechanics into a year-long course. If you like working on engines, creating carpentry projects and welding, this is the class for you! The students will be focusing on the three areas of shop and will complete projects to reflect the learning. Each student will have the opportunity to join FFA, participate in career development events and have a SAE program. FFA membership dues are \$20.

Food Science and Technology
1.25 Credit

Fee: \$20
Grades: 10-12

Prerequisite: Any Agricultural Education Class

In this course students will learn about the research, development, production, processing and distribution of food products to meet quality assurance standards. Students will also create their own food product and packaging. This class will explore taste testing for quality control and practice good manufacturing practices. Students will have the opportunity to join FFA and also compete in the Food Science Contest. This course is designed to be hands on learning. FFA membership dues are \$20.

Agricultural Business
2 Credits (1 for Ag Business and 1 for Ag Business Co-op)

Fee: \$15
Grade: 12

Prerequisite: Any Agricultural Education Class

This course qualifies for dual enrollment credit through Clark State Community College for students who meet Clark State's enrollment requirements.

This course includes marketing, planning, organization, studies of types of entrepreneurship, and consumer strategies. The economic, socio-graphic and democratic relationships affecting the market place are emphasized. Instruction will include global strategies and world concerns that influence the market. Students are placed for employment for 15 to 20 hours per week at a place where they have expressed interest in a future career choice. Each student will have the opportunity to join the FFA, participate in career development events, and have an SAE (Supervised Agricultural Experience) project. FFA Membership dues are \$20. If a student chooses the dual enrollment option, there will be an additional fee determined by Clark State Community College.

Natural Resources Management**1.25 Credits****Fee: \$15****Grades: 10-12****Prerequisite: Any Agricultural Education Class**

This course will focus on students who are interested in learning about mammals, game birds, and fish in their natural habitat. The course will revolve around the Environthon competition in May. Students will design carpentry projects in an area of wildlife management and have the opportunity to join FFA, participate in career development events and have an SAE program. FFA membership dues are \$20.

Animal Care and Science**1.25 Credits****Fee: \$15****Grades: 10-12****Prerequisite: Any Agricultural Education Class**

This course will focus on animal nutrition, reproduction and pre-vet standards. We will be working with genetics through incubation of eggs, and planning animal nutrition plans. If you want to learn more about being a veterinarian or how to care for animals this is the class for you! The second half of the year will focus on large and small animal science. Students will have the opportunity to join FFA, participate in career development events and have a SAE program. FFA membership dues are \$20.

Art

General Requirements for All Art Classes

Participation in small and large group discussion is expected. Art related community service (outreach) is required. Student artwork will be exhibited throughout the semester. Grades are based upon student, peer, and teacher evaluation of effective use of skills to create original artwork. Fees must be paid in order to have complete use of all materials. There may be additional costs based upon personal use of materials. Students must provide their own pin drive and are responsible for providing and keeping a portfolio and a sketchbook/journal where artwork and creative ideas will be explored and reviewed.

Crafts I**.5 Credit****Fee: \$30****Grades: 9-12****Prerequisite: None**

The focus of this course is basic skill development related to crafts found in specific world cultures. Sample processes may include: ceramics, silk screen and rubber stamp print, tie dye, jewelry making, and other non-fine art processes. Students will be tested on craft processes and characteristics specific to each culture explored. All are expected to keep notes on specific processes. Community service and a digital portfolio are required.

Crafts II**.5 Credit****Fee: \$30****Grades: 9-12****Prerequisite: Crafts I**

Crafts II will continue skill development related to crafts of specific world cultures. Sample processes may include: ceramics, silk screen and rubber stamp print, tie dye, jewelry making, and other non-fine art processes. Students will be tested on craft processes and characteristics specific to each culture explored. All are expected to keep notes on specific processes. A digital portfolio is required. Community service and a digital portfolio are required.

Fine Art I**.5 Credit****Fee: \$30****Grades: 9-12****Prerequisite: None**

This course will focus on painting, drawing and ceramic art. Students will study and test on art history and art historical concepts. Students will be expected to keep a sketchbook where they plan out projects and experiment with various media. Drawing media will include pencil, charcoal, oil pastels and chalk. Painting media will include acrylics, tempera and watercolour. Ceramics will include white clay, glaze and painting materials. Community service and a digital portfolio are required. An Art textbook will be used.

Fine Art II**.5 Credit****Prerequisite: Fine Art I**

This course will continue to focus on painting, drawing and ceramic art. Students will study and test on art history and art historical concepts. Students will be expected to keep a sketchbook where they plan out projects and experiment with various media. Drawing media will include pencil, charcoal, oil pastels and chalk. Painting media will include acrylics, tempera and watercolour. Ceramics will include white clay, glaze and painting materials. Community service and a digital portfolio are required. An Art textbook will be used.

Fee: \$30**Grades: 9-12****Advanced Fine Art****.5 Credit (Repeatable)****Prerequisite: Fine Art II**

This course will focus on Portfolio development. Serious Art students will be creating a collection of work that will be used to help them secure college admission or job placement in the Arts. Students must have a clear vision for what they want to pursue after college. Independent contracts will be used for evaluation purposes.

Fee: \$30**Grades: 10-12**

Business Education

Business Technology**.5 Credit****Prerequisite: None**

This course teaches keyboarding skills using Microsoft Word on a personal computer. Students will learn to format reports, research papers, business letters, and other conventional forms. Throughout the course, evaluations will be based on technique, formatting and keyboarding speed.

Fee: None**Grades: 9–12****Advanced Technology****.5 Credit****Prerequisite: Business Technology or demonstrated competency**

This computer course will teach academic and business applications using Internet, publication, and spreadsheet software. Students will develop an advertising brochure, a slide presentation, web page, and a variety of spreadsheets. This course will offer a solid computer foundation for college prep students as well as those who choose to enter the workforce upon graduation.

Fee: None**Grades: 9–12****Accounting I****1 Credit****Prerequisite: None**

Accounting I explores a contemporary system of financial record keeping for a proprietorship, partnership, and a corporation. This course combines the use of manual accounting forms and an automated accounting system helping the student to understand each capacity. Students will learn a general ledger system utilizing a variety of journals. The course will teach students the accounting cycle for each type of business enterprise.

Fee: None**Grades: 10–12****Accounting II****1 Credit****Prerequisite: Accounting I**

Accounting II provides training for entry level accounting employment and is valuable for students planning to pursue accounting or business after high school. Students will expand their accounting knowledge, further their understanding of business operations and learn departmental practices of corporate accounting.

Fee: None**Grades: 11, 12**

English

English 9

1 Credit

Prerequisite: None

This class focuses on essay writing and on reading, analysis, and discussion of all genres of literature. Students will review basic grammar concepts and will work on vocabulary development. Students will use the MLA method of documenting sources in research assignments. All major compositions must be typed. Students will use available technology for projects.

Fee: \$17

Grade: 9

College Prep English 10

1 Credit

Prerequisite: English 9

College Prep English 10 is a survey course in Literature designed to improve and promote students' skills in reading, writing, listening, vocabulary, and speaking. Students will utilize the writing process and write in a variety of modes. A heavy emphasis will be placed on analyzing literature and achieving strength, clarity, eloquence, and originality in written responses. Students will be assigned one book to read over the summer. The material covered will be based upon the Ohio Content Standards for 10th grade Language Arts.

Fee: \$31

Grade: 10

Honors English 10

1 Credit

Prerequisite: English 9 and Teacher Recommendation

This course is designed for students who have superior skills and interests in literature and composition with aspirations toward AP English. Honors English 10 is a survey course in American Literature designed to develop students' skills in reading, writing, listening, vocabulary, and speaking. Students will utilize the writing process and compose in a variety of modes. Students in this class will be expected to compose more essays as well as read more novels than the CP class. There is a mandatory summer reading list. Students may be responsible for securing their own copies of the books, either by purchasing them or borrowing them from a library.

Fee: \$10

Grade: 10

College Prep English 11

1 Credit

Prerequisite: English 10

This class will survey literature, write compositions of varying modes and purposes, complete a research paper, and take weekly vocabulary tests. Students will be responsible for reading and comprehending the reading assignments as well as composing and revising compositions for homework. They will be assigned one book to read over the summer and will read essays and books throughout the year.

Fee: \$13

Grade: 11

AP English Language and Composition

1 Credit

Prerequisite: English 10 and Teacher Recommendation

This course qualifies for dual enrollment credit through Clark State Community College for students who meet Clark State's enrollment requirements.

This course is designed for students who have superior skills and interests in literature and composition. Students can expect a rigorous program of study focusing on an intensive analysis of literature, argument and the use of rhetoric. Students will review the writing process, organization techniques, Standard English grammar and usage, and relevant vocabulary. These students will read more essays and/or books and write longer essays than the college prep class. Over the summer students will read several novels. Students may be responsible for securing their own copies of the books, either by purchasing them or borrowing them from a library. The primary goal of this course is to prepare students to take the Advanced Placement test in English Language and Composition in May, which they will be required to take at Fairbanks. If a student chooses the dual enrollment option, there will be an additional fee determined by Clark State Community College.

Fee: \$90 (Includes required AP Testing fee)

Grade: 11

College Prep English 12
1 Credit

Fee: \$14
Grade: 12

Prerequisite: English 11

This class will survey literature, write compositions of varying modes and purposes, complete a research paper, and take weekly vocabulary tests. Students will be responsible for reading and comprehending the reading assignments as well as composing and revising compositions for homework.

AP English Literature and Composition
1 credit

Fee: \$90 (Includes required AP Testing Fee)
Grade: 12

Prerequisite: English 11 and Teacher Recommendation

Students can expect a rigorous program of study focusing on an intensive analysis of British, American and world literature, as well as a refinement of the writing process. Topics will include analysis and interpretation of literature and will enhance critical thinking and communication skills. The primary goal of this course is to prepare students to take the Advanced Placement test in English Literature and Composition in May. Over the summer students will read several novels. Students may be responsible for securing their own copies of the books, either by purchasing them or borrowing them from a library. Students will be required to take the AP exam at Fairbanks in May.

Creative Writing

Fee: None

.5 Credit (Does not count towards English credit requirement for graduation)

Prerequisite: English 10

Grades: 11, 12

This course is designed to introduce students to several phases of the creative process. Students will study examples of the various genres of literature and will produce poems, short stories, informal and personal essays, satires, children's stories, and one-act plays. Students are encouraged to enter contests and to attempt to market their work when it is of acceptable quality. There is also a brief study of the artist's place in society, the purpose and the nature of the writing styles, and a brief overview of literary criticism. The teacher facilitates as an editor while students share their work in conference groups or individually.

Reading for Purpose and Pleasure

Fee: None

.5 Credit (Does not count towards English credit requirement for graduation)

Prerequisite: English 9

Grades: 10 - 12

Designed for tenth, eleventh, or twelfth graders, this course is for students who have a love of reading but find they are unable to read on a regular basis because of time restraints and academic limitations. Students will read self-selected books, participate in discussions and write response journals to reflect upon theme, plot, and characterization. Students may be responsible for securing their own copies of the books, either by purchasing them or borrowing them from a library.

Shakespeare

Fee: None

.5 Credit (Does not count towards English credit requirement for graduation)

Prerequisite: English 9

Grades: 10 – 12

This elective course will evaluate the life and times of the English language's greatest writer, William Shakespeare. The class will discover the facts and myths surrounding Shakespeare's upbringing, education, and adult life. The majority of class time will be spent reading, analyzing and discussing Shakespeare's plays and poetry. Students will gain a deeper understanding of the world's greatest playwright through his Histories, Tragedies, and Comedies. Students will write responses and act out famous scenes from his greatest works.

Family and Consumer Science

All students enrolled in Family and Consumer Science classes are encouraged to join the student organization, FCCLA (Family, Career, and Community Leaders of America).

Managing Transitions and Life

.5 Credit

Fee: \$20

Grades: 9, 10

Prerequisite: none

This course is designed to give students an overview of the Family and Consumer Science program. This is a good class for incoming freshman to complete before taking other FCS classes. Topics include: values and goals, self esteem, money management, and food preparation techniques. A service learning project will be designed and implemented in this class.

Healthy and Safe Foods

.5 Credit

Fee: \$25

Grades: 9-12

Prerequisite: None

Discover the inner chef in you. Students learn the skills necessary to prepare healthy meals and snacks. This course focuses on kitchen equipment and organization, safety and sanitation, meal planning, time management, and serving and preparing food. Through classroom activities and food lab experiences, students will be able to develop their cooking skills for both personal use as well as for potential career opportunities.

Healthy Living

.5 Credit

Fee: \$25

Grades: 9-12

Prerequisite: Healthy and Safe Foods

This course is for students who enjoyed Healthy and Safe Foods and want to learn more about food and living a healthy lifestyle. Students will learn additional food preparation techniques and modify recipes to reduce the amount of fat and calories in their diet.

Child Development

.5 Credit

Fee: \$20

Grades: 10-12

Prerequisite: None

They don't come with instructions, batteries not included, no lifetime guarantee-but assembly is required. Yes, we are talking about children. This course is designed to help students make informed decisions about parenting. The student is guided through the entire process from choosing to become a parent, pregnancy, childbirth, and concluding with the developmental stages of children. Special topics include: child abuse, children's literature, and cooking with young children. All students enrolled in this course will participate in a simulated child care activity.

Financial Management I

.5 Credit

Fee: \$10

Grade: 10-12

Prerequisite: None

** Beginning with the Class of 2014, all students will be required to take this course.

Worried about how you will pay all those bills when you move out on your own? This course provides students with the information needed to manage their personal finances. Students will learn about financial institutions, budgeting, credit, insurance, renting vs. buying, identity theft and much more.

Financial Management II

.5 Credit

Fee: \$10

Grade: 10-12

Prerequisite: Financial Management I

This course builds on information students have learned in Financial Management I. Emphasis will be on saving for the future, investing, and building personal wealth. Stock market simulation will be included.

Career Search I & II (New Course)**Fee: None****1 Credit****Grade: 12****Prerequisite: None**

Gain real world experience while in high school! This course allows you to manage your own schedule during part of the school day, get an inside look at a career, and receive valuable expertise from members of the business community in a career field of your choice through on-site placement. Students will have the opportunity to practice interviewing skills and effective communication skills while exploring post-secondary options and discovering how to coordinate personal and career responsibilities. The instructor will provide assistance with college applications and scholarship searches. Students will meet in class two days a week, mentor in a career field of their choice two hours a week, and complete 25 hours of community service each semester. This course is flexible and can be worked around various schedules.

Foreign Language

Students are encouraged to participate in International Club. Activities include watching foreign films, international dinners, and foreign travel.

Level I (French I/Spanish I)**Fee: French - \$15****Spanish - \$16****1 Credit****Grades: 9 – 12****Prerequisite: None**

Students are introduced to basic vocabulary and grammar and gradually build a foundation in understanding and speaking. Limited reading and writing follow in the natural development of language skills. Topics covered include greetings, classroom routines, school life, leisure activities, sports, and more. The student becomes acquainted with culture and gains some insight into cultural similarities and differences. Contextualized grammar concepts are introduced at this level. Spanish students will be expected to complete online activities outside of class for practice.

Level II (French II/Spanish II)**Fee: French - \$15****Spanish - \$16****1 Credit****Grades: 9 – 12****Prerequisite: “C” or Higher in Level I or Teacher Recommendation**

This course is designed to develop more fully the student’s ability to listen, read, speak, and write in the target language. Oral and listening skills are developed through daily use of the language in the classroom. It covers such topics as shopping, foods, phone etiquette, travel, and more. Students learn to talk about their own interests and activities in the past, present, and future. Students read dialogs, authentic articles, role-play and will create skits that they will perform. Students write guided compositions on a wide variety of topics. Cultural topics will continue to be explored in increasing depth. Spanish students will continue to utilize the online component to their text for added grammar and vocabulary practice.

Level III (French III/Spanish III)**Fee: French - \$18****Spanish - \$16****1 Credit****Grade 10 – 12****Prerequisite: “B” or Higher in Level II or Teacher Recommendation**

Level III is designed for students who have achieved an above average proficiency in listening, speaking, reading, and writing from Level I and Level II. It emphasizes language proficiency and communication. Students continue to broaden their vocabulary and to apply more complex language structures in all four skill areas of language learning - listening, speaking, reading and writing. Cultural aspects will also be investigated in more depth through authentic materials. Students will be expected to communicate ideas in the target language. Spanish students will be expected to utilize various mediums of technology to communicate their ideas in the Spanish language.

Level IV (French IV/Spanish IV)

Fee: French - \$15 Spanish - \$16

1 Credit

Grade 11 – 12

Prerequisite: “B” or Higher in Level III or Teacher Recommendation

Level IV is designed for motivated, self-directed students interested in developing college level skills. Students continue to deepen, broaden and fine-tune their listening, speaking, reading, and writing skills. Students communicate and create in the target language. They articulate opinions and interpretations of literary readings **in the target language**. Students also learn about art and about important historical events, periods, and prominent figures in history through reading in the target language. Authentic and simulated authentic materials such as videos and DVD’s promote communication with native speakers.

Spanish students will create a portfolio of items that may be used as part of college entrance. The entire class will **be conducted in Spanish**. Students will be expected to utilize various mediums of technology to communicate their ideas in the Spanish language.

Library/Media

Educational Media

Fee: \$3

.5 Credit

Grades: 9-12

Prerequisite: None

Students will learn fundamentals of videography and editing, planning and production for documentary and rudimentary personal and narrative films.

Advanced Educational Media

Fee: \$3

.5 Credit (Repeatable)

Grades: 9-12

Prerequisite: Educational Media

The advanced course continues the learning and objectives set forth in the Educational Media course. Students will develop longer films and develop advanced camera and editing skills working with advanced shot composition, Final Cut editing, lighting, and audio components.

Media Production

Fee: \$3

1 Credit

Grades: 9-12

Prerequisite: None

Students will learn fundamentals of capturing live activities either for streaming broadcast or for subsequent distribution. The principal focus is on Fairbanks sports, music, drama and academic activities. Working in groups, students will produce scheduled broadcasts and develop parallel media outlets including digital media pages and highlight tapes.

Memory Production (Yearbook)

Fee: None

1 Credit

Grades: 9-12

This course encompasses all aspects of what is necessary to complete the publication of a yearbook such as writing copy, captions, and headlines; attending various after school functions to take photos and interview participants; being involved in graphic design and layout. In addition students will help in creating the senior slide show and a virtual time capsule.

Mathematics

Although 3 units of math are required for graduation for the Class of 2013 and 4 units are required for the Class of 2014, colleges and universities highly recommend that students take math their senior year.

Algebra B

1 Credit

Fee: None

Grades: 9, 10

Prerequisite: Algebra A

Algebra B is the second part of the Algebra process. This will be a continuation of Algebra A leading to the conclusion of the Algebra course. Students will solve multi-step equations and inequalities, graph linear and quadratic equations, solve systems of equations, and study exponential functions. A scientific calculator is required. Upon completion of this course students should be ready to continue with upper level math courses.

Algebra I

1 Credit

Fee: None

Grades: 9 – 11

Prerequisite: None

Algebra I at the high school level is the foundation for all other high school mathematics courses. The solving of equations and inequalities (including quadratics), coordinate geometry, probability, functions, and statistics are concepts that are explored. Applications and calculators provide a context for the abstract language of algebra. Students must have a solid understanding of this course to be fully prepared for other math courses offered. A scientific calculator is required.

Geometry

1 Credit

Fee: None

Grades: 9 – 12

Prerequisite: Algebra I or Algebra B

Geometry is an integrated course that involves traditional geometric topics and algebra. Problem solving is stressed in every lesson so students must analyze geometric information using algebraic skills to formulate answers. Students will use the information and techniques learned to solve real world problems. Students are required to have a calculator, compass, and a protractor.

Advanced Geometry

1 Credit

Fee: None

Grades: 9-12

Prerequisite: “B” or Higher in Algebra I and Teacher Recommendation (May not be taken if Geometry has been taken)

Advanced Geometry is an integrated course that involves traditional geometric topics and algebra. Problem solving is stressed in every lesson so students must analyze geometric information and use algebraic skills to solve real world problems. In addition, Advanced Geometry students will learn to solve higher level problems involving the geometric concepts. Students are required to have a scientific calculator, compass, and a protractor.

Algebra II

1 Credit

Fee: None

Grades: 10 – 12

Prerequisite: Geometry

The Algebra II course reviews and extends the concepts introduced in Algebra I and Geometry. It includes the study of algebraic expressions, linear forms, quadratic forms, powers and roots, and the functions based on these concepts. Students study logarithmic, polynomial and other special functions as tools for modeling real world situations. A graphing calculator is required.

Functions, Statistics, and Trigonometry (New Course)**Fee: None****1 Credit****Grades: 11-12****Prerequisite: Algebra II**

Functions, Statistics, and Trigonometry will provide a more in-depth and rigorous approach to some topics in Algebra II (matrices, sequences and functions with an emphasis on polynomial, rational, exponential, and logarithmic functions) as well as begin the study of circular trigonometry and basic principles of probability and statistics. A graphing calculator is required. This course is recommended for the student who has completed Algebra II and may desire an alternative to PreCalculus or desires an additional math course prior to PreCalculus.

Pre Calculus**Fee: None****1 Credit****Grades: 11, 12****Prerequisite: A "C" or Higher in Algebra II & Math Teacher Recommendation**

Pre Calculus involves the study of functions, statistics, and trigonometry. Each of these topics is approached through an algebraic and graphical point of view. Real world problem solving is stressed throughout the entire course. This course is excellent preparation for college mathematics. A graphing calculator is required.

Calculus**Fee: None****1 Credit****Grade: 12****Prerequisite: Pre Calculus & Teacher Recommendation**

Calculus is the study of the mathematics of change and motion. This course teaches calculus by breaking it into two branches – differential calculus and integral calculus. In addition, limits are taught in detail as well as real world applications of differential and integral calculus. A week-long project to study movement will be conducted using a video camera and techniques learned in calculus. A graphing calculator is required.

Music

In the Music Department, Marching Band, Concert Band, and Choir are course offerings. Since the courses offered are student driven, meaning the number of students who request course offerings determine the courses actually taught, the number of credits earned for each course will be determined by the amount of time spent in each program. Therefore, the credits earned may differ from what is listed below.

Band (Entire Year)**Fee: \$40****1 Credit****Grades: 9 – 12****Prerequisite: Proficiency on Wind/Percussion Instrument.**

The first ten weeks of this class concentrate on marching band, rehearsing during the school day and performing at all football games and pep rallies. The band also performs in several contests, festivals and parades, which all members must attend. The remainder of the school year is dedicated to concert band, the premier performing group. They rehearse each day and perform 4-5 concerts. Literature includes contemporary band pieces, orchestral transcriptions, and classics of the band repertoire. Seating auditions are held the first week in November and are open for challenge at several times throughout the year. The groups perform at district competition and graduation. Band also stresses comprehensive musicianship, which includes history, theory, and listening examples.

Marching Band**Fee: \$40****.25 Credit****Grades: 9 – 12****Prerequisite: Proficiency on Wind/Percussion Instrument**

The first ten weeks of this class concentrate on marching band, rehearsing during the school day and performing at all football games and pep rallies. The band also performs in several contests, festivals and parades, which all members must attend. If a student wishes to register for marching band, but not register for concert band, permission is required from the band director.

Concert Band
.75 Credit

Fee: None
Grades: 9 – 12

Prerequisite: Proficiency on Wind/Percussion Instrument

Concert band, the premier performing group, rehearses each day and performs 4-5 concerts. Literature includes contemporary band pieces, orchestral transcriptions, and classics of the band repertoire. Seating auditions are held the first week in November and are open for challenges several times throughout the year. The group performs at district competition and graduation. Concert Band also stresses comprehensive musicianship, which includes history, theory, and listening examples. If a student wishes to register for concert band, but not register for marching band, permission is required from the band director.

Choir
1 Credit

Fee: None
Grades: 9 - 12

Prerequisite: None

The choir curriculum focuses on comprehensive musicianship with lessons in theory, history, and sight singing. Repertoire includes sacred and secular music from various style periods and genres. A voice range audition is required during the first week of class to assign parts.

Science

Physical Science
1 Credit

Fee: \$10
Grade: 9

Prerequisite: None

This course covers science concepts of chemistry and physics. The study of physics includes energy conversions, laws governing motion, the principles of work, and wave behavior. The chemistry portion of the course is a study of the periodic table, atomic structure, composition and interaction of matter. Students are required to complete one project and will conduct experiments and written lab reports. Calculator required.

Biology
1 Credit

Fee: \$15
Grade: 10

Prerequisite: Physical Science

Biology is the study of life, living organisms and their interactions within the biosphere. The origin, structure, distribution and diversity of organisms is explored and explained. Cell biography, genetics, diversity of life and ecology are the major focuses of this course. Current developments in genetics and bioengineering will be addressed.

Environmental Science
1 Credit

Fee: \$10
Grades: 11, 12

Prerequisite: Any high school science course

Environmental Science is a course that introduces students to the interaction of living organisms and the environment. The course covers the past, present, and future of Earth's ecosystems. Evaluation of natural environmental processes and human impact to these processes will also be explored.

Chemistry I
1 Credit

Fee: \$15
Grades: 10, 11, 12

Prerequisite: Algebra II in Progress

The first year Chemistry course covers the topics of laboratory safety, matter, energy, atomic structure, quantum mechanics, chemical bonding, chemical reactions, stoichiometry, acid-base reactions, and gases. Basic laboratory techniques are developed throughout the course. The content of this course is learned using a hands-on, inquiry approach focused on deep conceptual understanding. A scientific calculator is required.

Chemistry II**Fee: \$18****1 Credit****Grades: 11, 12****Prerequisite: B average in Chemistry I or Teacher Recommendation; Algebra II****This course qualifies for Dual Enrollment Credit through Clark State Community College as Chem 115 for students who meet Clark State's enrollment requirements.**

The second year Chemistry course uses the same hands-on, inquiry approach to learning. The focus, however, is on a tiered understanding from the conceptual to the abstract to mathematical models. Extensive laboratory techniques will continue to be developed and mastered throughout the course. Course topics will include stoichiometry, properties of solutions, equilibrium, kinetics, redox reactions, qualitative analysis, and introductory organic chemistry. A scientific calculator is required. If a student chooses the dual enrollment option, there will be an additional fee determined by Clark State Community College.

Physics**Fee: None****1 Credit****Grade: 12****Prerequisite: Algebra II & Chemistry I, Math or Science Teacher Recommendation**

Physics is an algebra-based course that examines the major principles of physics. The major topics covered are linear motion, momentum, work, energy, fluids, waves, thermodynamics, and electricity. The class includes demonstrations and laboratory work to explain physics principles. Students must have a scientific calculator for the class.

Advanced Placement Biology**Fee: \$115 (Fee includes required AP Testing Fee)****1 Credit****Grade: 12****Prerequisite: "B" or higher in Chemistry & Science Teacher Recommendation**

Advanced Placement Biology is designed to be the equivalent of a college introductory biology course taken by science majors in their first year of college. AP Biology concepts include: cellular function, biochemistry, protein synthesis, genetics, animal biology and physiology, and plant biology and physiology. This course requires significant time and effort and aims to provide the student with the framework, factual knowledge and analytical skills necessary to deal with rapidly changing biological sciences. Students will be required to take the AP exam at Fairbanks in May. Following the AP test in May, students will complete a major project.

Social Studies

World History**Fee: \$11****1 Credit****Grade: 9****Prerequisite: None**

Ninth-grade students continue the chronological study of world history from 1750 to the present (Age of Revolutions through the 21st Century.) This study incorporates each of the seven state standards. As students study historic eras, they consider the influence of geographic settings, cultural perspectives, economic systems and various forms of government. Students gain a deeper understanding of the role of citizens and continue to develop their social studies skills and methods.

U.S. History**Fee: None****1 Credit****Grade: 10****Prerequisite: None**

Tenth-grade students continue the thematic study of the history of the United States with emphasis on domestic affairs from 1877 to the present (Post-Reconstruction through the 21st Century). This study incorporates each of the seven state standards. As students study historic eras, they consider the geographic, cultural, economic and governmental changes that have occurred. Students develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods.

AP U.S. History**Fee: \$80 (Includes required AP Testing Fee)****1 Credit****Grade: 10****Prerequisite: Teacher Recommendation*****This course fulfills the US History requirement for graduation.**

The AP program in United States History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States History. Students will learn to assess historical materials-their relevance to a given interpretive problem, their reliability, and their importance and to weigh the evidence and interpretations presented in historical scholarship. This course will develop the skills necessary to arrive at conclusions on the basis of informed judgment and to present reasons and evidence clearly and persuasively in essay format. Students will be required to take the AP exam at Fairbanks in May.

Government**Fee: None****1 Credit****Grade: 11****Prerequisite: World History and U.S. History**

This course is a study of the political system of the United States. Topics include government organization, how leaders are chosen, what those in government do, decision-making and the forces and factors influencing those decisions. It includes information on the nature and function of local, state, and federal government, the Declaration of Independence and the Constitution. Students will research current court cases, foreign and domestic policies of previous and current presidents, individual rights issues, and multicultural concerns.

AP US Government and Politics**Fee: \$80 (Includes mandatory AP Testing Fee)****1 Credit****Grade: 11****Prerequisite: World History and U.S. History, Teacher Recommendation*****This course fulfills the Government course requirement for graduation.**

This course is a study of the political system of the United States. Topics include government organization, how leaders are chosen, what those in government do, decision-making and the forces and factors influencing those decisions. It includes information on the nature and function of local, state, and federal government, the Declaration of Independence and the Constitution. Students will research current court cases, foreign and domestic policies of previous and current presidents, individual rights issues, and multicultural concerns. Students will participate in an in-depth study of U.S. Government including critical analysis of the organization, structure and ethics in American politics. This course will involve more outside readings and research assignments than required in the Government class. This is a college-level class. Students will be required to take the AP exam at Fairbanks in May.

Sociology**Fee: None****.5 Credit****Grades: 11, 12****Prerequisite: World History and U.S. History**

Why do I do what I do? This course seeks to discover the answers to this and other questions regarding human behavior and interactions. As a survey course, the class will prepare students for required college classes, but will also aid any student who wants to learn more about business, social, and personal relationships. Sociology is the study of human behavior in groups, in organizations, and in society. The goal for the class is to promote social responsibility and respect for individuals. Through the study of social institutions (familial, political, economic, and religious) students will gain an understanding of cultural awareness.

Psychology**Fee: None****.5 Credit****Grades: 11, 12****Prerequisite: World History and U.S. History**

Why do I do what I do? This course seeks to discover the answers to this and other questions regarding human behavior and interactions. As a survey course, the class will prepare students for required college classes, but will also aid any student who wants to learn more about business, social, and personal relationships. Psychology is the study of mental processes and behavior. The course will examine the field of psychology by studying its history, prominent psychologists, major theories, disorders, methods of diagnosis, treatment and therapies. Individual learning styles and personality types projects will also aid students who seek a better understanding of themselves and others.

Roman History and Culture
.5 Credit

Fee: None
Grades: 11, 12

Prerequisite: World History and U.S. History

This class is a thematic analysis and evaluation of Roman history and the influences of Roman history on the world today. Topics of research studies will include types of government, social structures, cultural influences, economics, military power, family life, entertainment and sports. We will also develop case studies of Roman emperors and subgroups in the Roman Empire during various periods.

American Military History
.5 Credit

Fee: None
Grades: 11, 12

Prerequisite: World History and U.S. History

This course is a study of the military history of the United States from the Revolutionary War to the present. It will focus on major battles, strategy, tactics, weapons, and leaders. In addition this course will look at the relationship of society, politics, diplomacy and economics to the military.

Wellness

Health
.5 Credit

Fee: \$3
Grade: 9, 10

Prerequisite: None

Health is a 1/2 credit class that meets every day for one semester. The course consists of CPR, First Aid, sexuality with an abstinence-based approach, sexually transmitted diseases, nutrition, mental health, and public health topics.

Physical Education
.25 Credit (Repeatable to fulfill the physical education requirement)

Fee: None
Grade: 9, 10

Prerequisite: None

The objective of the class is to make the student more aware of the importance of total wellness of the individual. The class throughout the week will be a combination of individual fitness and team sports. The five components of physical fitness, muscular strength, muscular endurance, flexibility, cardiovascular endurance, and body composition, are addressed along with many other lifetime skills and activities. If scheduling permits, students may opt for a coed class, an all male class, or an all female PE class.

Special Programs

Office Worker
.25 Credit (Repeatable)

Fee: None
Grades: 9-12

Prerequisite: Office Staff Recommendation

Students will work with office staff on attendance, photocopying, running errands and various other tasks as requested. Students should have good attendance and be able to follow instructions. Students will be required to maintain passing grades in all classes in order to receive credit as an office worker.

Advanced Placement

Advanced Placement courses (AP US History, AP English Literature and Composition, AP English Language and Composition, AP Biology, and AP US Government and Politics) can be taken to earn dual high school/college credit. College credit is awarded individually by institution and requires successful scoring on the AP exam in each content area. Students are required to take the AP tests administered in May at Fairbanks. The cost of each AP exam is approximately \$80.