

# ERSKINE ACADEMY



## **Junior Course Descriptions**

**School Year 2019 - 2020**

Here are some guidelines to follow when selecting courses for your junior year:

- ❖ Everyone **MUST** be enrolled in at least 6 classes per trimester and earn 6 credits for the year (English is a **MUST!**).
- ❖ Remember if you choose a .333 credit course, you need to pick two other trimester courses if you want to earn one full credit.
- ❖ If you were not able to take a Fine Arts course, you **MUST** sign up for one during your junior year.

Graduation requirements are listed below. Please check this list carefully and plan accordingly. Keep in mind that you need 22 credits to graduate. If you are planning to attend CATC during your senior year, you should have already met the majority of these requirements.

- 4 English credits
- 3 Math credits
- 3 Social Studies credits – one credit **MUST** be a US History course (taken junior year)
- 3 Science credits – one of which **MUST** be a Biology course and one **MUST** be a Physical Science course
- 1 Fine Arts credit
- 1 PE credit
- 2/3 credits in Health (taken freshmen & sophomore years)
- 2/3 credits Sophomore Selections/Junior Judgment

**NOTE: If you would like to attend CATC, please place your program choices on the course request form.**

## REQUIRED

### **0832 Junior Judgment**

**Category:** Required      **Grade:** 11      **No. of trimesters:** 1      **Credits:** 0.333

In this trimester course students will explore post-secondary options. Topics will include issues in the workplace, college options, personal finance, the college application process, interpersonal skills for working with others, and stress-, time-, and conflict -management techniques.

### **0800 Health Education 1**

**Category:** Physical Health      **Grade:** 9-12      **No. of trimesters:** 1      **Credits:** 0.333

REQUIREMENT - The goal of Health 1 is to introduce students to the basic concepts of health and wellness and its application to their personal lives. This course seeks to improve student's self concepts based on the healthy decisions they will make. Information will be presented to the students in such a way as to encourage sound group decisions so that teenage health issues can be explored and researched to the extent that students are fully equipped to make solid, healthy, life long decisions.

### **0801 Health Education 2**

**Category:** Physical Health      **Grade:** 9-12      **No. of trimesters:** 1      **Credits:** 0.333

REQUIREMENT - Upon completion of this course, students will be able to understand the impact of individual positive and negative health practices upon their own immediate and future personal health, but also the impact of these practices upon their family and larger community.

## ENGLISH

### **0152 Tech Prep English 11**

**Category:** English      **Grade:** 11      **No. of trimesters:** 3      **Credits:** 1

The focus of this class will be placed on the literary works of American authors. Students will read a variety of novels, short stories, plays and forms of poetry. Writing activities will include expository and persuasive pieces with an emphasis on the writing process and development of ideas, clarity and voice. Preparation for the SAT will also be covered. This course is designed for students planning to attend community colleges or other two-year programs.

### **0153 College Prep Writing & American Literature 11**

**Category:** English      **Grade:** 11      **No. of trimesters:** 3      **Credits:** 1

This class will study the works of American authors through a variety of genres: poetry, plays, novels, essays, and short stories. Emphasis will be placed on analytical study of texts in addition to developing voice, clarity, and support in expository writing assignments. Students will be responsible for vocabulary study. This course is designed for the student who is preparing for admission to a four year bachelor's degree program.

### **0181 KVCC College Composition**

**Category:** English      **Grade:** 11-12      **No. of trimesters:** 3      **Credits:** 1

PREREQUISITITE: CUMULATIVE AVERAGE OF 85 OR GREATER. College Composition emphasizes critical reading and thinking as part of the process of clear and effective writing. Grammar and sentence structure issues will be reviewed as needed as well as a review of rhetorical tools. Various writing skills will be practiced and applied through numerous writing assignments, organized by the submission of three portfolios and an annotated bibliography. Source validation and ethical research practices, seen as vital to effective written communication, will be emphasized. Daily homework should be expected as prep work for the major essays. College Composition values the process of writing and students will engage the revision/editing process. Successful completion of this course will qualify students to earn 3 college credits granted through KVCC.

### **0155 AP Language & Composition 11**

**Category:** English      **Grade:** 11      **No. of trimesters:** 3      **Credits:** 1

The AP Language and Composition course allows students to write in a variety of forms - narrative, exploratory, expository, argumentative - and on a variety of subjects from personal experiences to public policies, from imaginative literature to popular culture. The purpose of the AP Language and Composition course is to enable students to read complex texts with understanding and to write prose that is rich enough and complex enough for mature readers. STUDENTS MUST TAKE THE AP EXAM.

## MATH

### **0225 Informal Geometry**

**Category:** Math      **Grade:** 10-12      **No. of trimesters:** 3      **Credits:** 1

This course is designed to develop the basic knowledge of high school geometry as it applies to everyday life, while continuing to build the skills in algebra and data analysis needed for further advancement in school or work. To complement the regular academic work, projects and activities will be used to enable students to learn geometry through exploration.

### **0224 Geometry**

**Category:** Math      **Grade:** 10-11      **No. of trimesters:** 3      **Credits:** 1

Geometry is the study of points, lines, planes, and plane figures. Much emphasis is placed on deductive reasoning in geometric proofs and problem solving with two dimensional figures. Algebra is integrated into many aspects of geometry. Data analysis concepts will be explored.

### **0222 Honors Geometry**

**Category:** Math      **Grade:** 10-11      **No. of trimesters:** 3      **Credits:** 1

Honors Geometry will build on a basic knowledge of vocabulary and geometric properties. That knowledge will be applied to logical geometric proofs and reasoning. Students will be challenged to recognize patterns in geometry and represent them with algebra. Data analysis topics will be incorporated.

### **0213 Tech Prep Algebra 2**

**Category:** Math      **Grade:** 11-12      **No. of trimesters:** 3      **Credits:** 1

**PREREQUISITE:** ALGEBRA 1 OR EQUIVALENT OR TEACHER RECOMMENDATION. Students of this course will study linear equations, systems of equations, inequalities, and quadratic equations. Problem solving, laboratory work, and graphing calculators will be emphasized. The hands on nature of this course will benefit the students who seek an alternative to the traditional methods of Algebra instruction. In addition the course will include preparation for taking the Algebra portion of the Accuplacer.

### **0228 Algebra 2**

**Category:** Math      **Grade:** 10-12      **No. of trimesters:** 3      **Credits:** 1

Algebra 2 begins with a review of basic algebraic processes followed by a study of linear functions, systems of linear equations, quadratic functions, exponential functions, rational functions, irrational functions, and data analysis. This course will help students to develop the ability to explore and solve mathematical problems, think critically, work cooperatively with others, and communicate ideas clearly.

### **0230 Honors Algebra 2**

**Category:** Math      **Grade:** 9-11      **No. of trimesters:** 3      **Credits:** 1

This course extends beyond the content and rigor of Algebra 2 and includes the study of linear, quadratic, exponential, rational, irrational, and higher degree functions at a greater depth. Other topics include systems of equations, logarithms, and data analysis. There will be a greater emphasis requiring students to apply their knowledge. This course requires maximum student responsibility, motivation, and participation. Students in Honors Algebra 2 will begin to receive the necessary algebraic preparation for advanced mathematics courses in the senior year such as AP Calculus and AP Statistics.

### **0217 Math for Technical Trades**

**Category:** Math      **Grade:** 11      **No. of trimesters:** 3      **Credits:** 1

A practical, hands-on approach to the mathematical skills needed in the technical trades, including vocational school. Topics include precision measurement, fractions, decimals, percents, and signed numbers as well as an ongoing review of basic algebra. Students will sit for the Arithmetic portion of the Accuplacer in the spring.

**0237 Pre College Math****Category:** Math **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1

This full year course is designed for seniors seeking to strengthen their math foundation before entering college mathematics courses. Students taking Pre-College Mathematics will extensively review the basic arithmetic skills of: operations with whole numbers, fractions, decimals, and percents. Other topics will include: ratio and proportion, measurement, and signed numbers. Study skills, time management, note taking, test preparation, and anxiety-reduction are included topics. Successful completion of this course will assist students in doing well on the mathematics section of the ACCUPLACER college admissions test, and avoiding the necessity of remedial college mathematics courses.

**0241 CP Statistics****Category:** Math **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1

**PREREQUISITE:** ALGEBRA 2 - Statistics is the science of collecting, classifying, collating and analyzing facts or data to determine information, trends and patterns about a given subject. Recommended as a fourth year math class, this introductory course is primarily for students interested in careers in business, computers, and psychology and other social sciences. However, students of engineering, science and mathematics can benefit from instruction in statistics as well. Topics will include methods of quantitative analysis (information gathering and synthesizing), inferential statistics (analysis and judgment making), and how data is distributed (mean, variance, and standard deviation).

**0232 Pre-Calculus****Category:** Math **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1

**PREREQUISITE:** ALGEBRA 2 AND GEOMETRY - This course is preparation for calculus, algebra or statistics to be taken in college. Students interested in, but not limited to, careers in business, nursing and the social sciences will benefit from this course. Topics include polynomials, logarithms, exponentials, and trigonometry. Students are responsible for having their own graphing calculator for use in this class.

**0266 Advanced Trigonometry & Algebra (formerly Honors Pre-Calculus)****Category:** Math **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1

**PREREQUISITE:** ALGEBRA 2 AND GEOMETRY - This course is designed to prepare students for the study of college level Calculus. All students are required to own their own graphing calculator for this class. Extensive investigation, both graphically and algebraically, into polynomial, rational, logarithmic, exponential and trigonometric functions, will be undertaken.

**0233 KVCC College Algebra****Category:** Math **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1

**PREREQUISITE:** ALGEBRA 2 AND A CUMULATIVE AVERAGE OF 85 OR GREATER. The first trimester of this course is designed to work on algebra and arithmetic skills necessary to succeed in the next two trimesters of KVCC College Algebra. We will work on solving linear equations, graphing linear equations, systems of two equations, and we will work extensively on arithmetic without calculators. This course may be taken by those who have not yet passed the ACCUPLACER test and is a prerequisite for KVCC College Algebra. The second and third trimesters will be MAT117. This course unifies the traditional analytical methods of Algebra with the modern graphing technologies in order to solve problems modeled by a variety of functions such as linear, quadratic, absolute value, polynomial, exponential and logarithmic. The central theme is authentic applications from traditional disciplines such as the physical sciences and engineering, as well as, applications from business, economics, social sciences, life science, health science, sports and other areas of student interests. This course provides the foundation necessary for success in future studies of mathematics. Successful completion of this course will earn college credit for MAT 117 granted through KVCC.

## SCIENCE

### 0351 Tech Prep Chemistry

**Category:** Science      **Grade:** 11-12      **No. of trimesters:** 3      **Credits:** 1

**PREREQUISITE:** ALGEBRA 1 (or Equivalent), TECH PREP BIOLOGY - The purpose of the course is to provide the science foundation for further study in agriculture, health, Consumer Science, and certain areas of technology and the trades. It presents chemistry in the context of work, home, society, and the environment. It uses an applications-oriented approach to teach the concepts of chemistry, and emphasizes problem-solving, decision-making, and hands-on learning. Typical units covered are: matter, periodic table, chemical bonds, chemical reactions, acids & bases, and Environmental Chemistry. The course is geared for students planning on attending a two-year community college.

### 0311 College Prep Lab Chemistry

**Category:** Science      **Grade:** 11-12      **No. of trimesters:** 3      **Credits:** 1

**PREREQUISITE:** COLLEGE PREP LAB BIOLOGY, ALGEBRA 1, GEOMETRY, TAKING ALGEBRA 2. The structure, composition and changes in matter and energy are studied. The following topics are some of those included: states of matter, atomic structure, acids and bases, chemical reactions, gas laws, and nuclear chemistry. Laboratory work is used to reinforce principles learned in class as well as affording the student the practical lab experience.

### 0340 Honors Lab Chemistry

**Category:** Science      **Grade:** 10-12      **No. of trimesters:** 3      **Credits:** 1

**PREREQUISITE:** LAB BIOLOGY, ALGEBRA 1, GEOMETRY, AND ENROLLED IN ALGEBRA 2. This course is similar in subject material to College Prep Lab Chemistry; however, the topics are covered in greater depth. A higher level of mathematics is used throughout the course. This course is designed for students planning on attending a four-year college in a science-related field.

### 0323 AP Chemistry

**Category:** Science      **Grade:** 11-12      **No. of trimesters:** 3      **Credits:** 1

The Advanced Placement Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year in college. Advanced Placement courses are by nature more demanding than regular high school level courses; therefore, students should be prepared for a rigorous academic environment. The AP Chemistry course is designed to be taken only after the successful completion of Chemistry. In addition, the recommended mathematics prerequisite for an AP Chemistry class is the successful completion of Algebra 2. Topics and standards covered in Chemistry will be addressed again, but in a deeper, more concentrated manner. Several additional topics will also be covered. AP Chemistry will use a more advanced textbook, one used for first year college chemistry. More emphasis will be placed on chemical calculations and the mathematical derivation of principles in chemistry. Laboratory work will include more experiments designed to be the equivalent of those performed in a college setting. Because of the nature of the course, it is imperative that students keep up with the material by reading the appropriate sections from the textbook before the subject matter is covered in class and by solving all of the assigned homework problems. This course is not designed to be a lecture course; the class sessions will be used for problem solving, group presentations, demonstrations, laboratory work, and frequent assessments.

The College Board assumes that students will spend at least five hours a week in individual study, outside the class day, to meet the standards of the course. The prospective student is advised to refer to:

<http://apcentral.collegeboard.com/courses/descriptions/> for further information regarding the curricula for Advanced Placement classes. STUDENTS MUST TAKE THE AP EXAM.

### 0303 Tech Prep Principles of Technology

**Category:** Science      **Grade:** 11-12      **No. of trimesters:** 3      **Credits:** 1

**PREREQUISITE:** ALGEBRA 1 - The purpose of this physics course is to develop an understanding of basic physics concepts and physics skills that will be needed for technical jobs. The material is covered through an inquiry-based approach. In the inquiry-based approach, students are involved in guided activities where they develop an understanding of concepts through hands-on experimentation. By using problem solving and analytical skills they learn the physics concepts and then demonstrate their proficiency through engineering competitions and research projects.

**0312 College Prep Lab Physics****Category:** Science **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1

PREREQUISITE: ALGEBRA 2 - College Prep Physics uses a hands-on approach to learning about kinematics, force, work, power, energy, and other topics by incorporating inquiry-based assignments and projects. The goal of this course is not to make you a physicist, but rather to have the satisfaction of understanding and predicting the outcome of the activities of the natural world occurring all around you. Please note that this is a math-heavy course.

**0342 Honors Lab Physics****Category:** Science **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1

PREREQUISITE ALGEBRA 1 & 2 AND ENROLLMENT IN PRE-CALCULUS - This course is for science majors - those who have either biology, (pre) medicine, architecture, technology, engineering, or environmental science as their main interest. The aim is to give students a thorough understanding of the basic concepts of physics and, by means of interesting labs and applications, to prepare them to use physics in their own lives and professions.

**0333 AP Physics C (Mechanics)****Category:** Science **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1

PREREQUISITE: IN OR HAVE TAKEN CALCULUS OR IN AP CALCULUS.

This course is the equivalent to a first-year college course for students majoring in the physical sciences or engineering. Methods of calculus are used in formulating physical principles and in applying them to physical problems. Strong emphasis is placed on solving a variety of challenging problems, some requiring introductory differential and integral calculus, as well as continuing to develop a deep understanding of physics concepts. This course utilizes guided inquiry and student-centered learning to foster the development of critical thinking skills. Physics C: Mechanics includes instruction in each of the following six content areas: kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. STUDENTS MUST TAKE THE AP EXAM.

**0391 AP Biology****Category:** Science **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1

The AP Biology course is designed to be taken only after the successful completion of Biology. In addition, the recommended mathematics prerequisite for an AP Biology class is the successful completion of Algebra 2. This course is for science majors, those who have either biology, (pre) medicine, or environmental science as their main interest. Topics for study include: molecules & cells, heredity & evolution, and organisms & populations. This course is designed to enable students to gain college credit and/or advanced placement in biology at the introductory levels most commonly offered at colleges and universities. Advanced Placement courses are by nature more demanding than regular high school level courses; therefore students should be prepared for a rigorous academic environment. STUDENTS MUST TAKE THE AP EXAM.

**SOCIAL STUDIES****0457 Tech Prep U.S. History****Category:** Social Studies **Grade:** 11 **No. of trimesters:** 3 **Credits:** 1

This course will focus on American History from the Civil War to the present. Primary emphasis will be placed on the 20th century, as well as the relevance of historical events to current issues. A focus unit on civics and US Government will also be incorporated during the year. Students in this course will participate in class discussions, presentations, debates and projects. Students are also expected to complete a term paper.

**0458 College Prep U.S. History****Category:** Social Studies **Grade:** 11 **No. of trimesters:** 3 **Credits:** 1

The expectations for this course are modeled on college expectations. Students will be expected to do independent research, complete assignments independently, and be prepared for rigorous class discussions. In addition to the focus on the twentieth century for which the textbook will serve as a guide, other readings will be an important component of the curriculum. The completion of a term paper on a public policy issue, is one of several long term projects. A focus unit on civics and US Government will also be incorporated during the year.

**0465 Thomas College U.S. History****Category:** Social Studies **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1

**PREREQUISITE: CUMULATIVE AVERAGE OF 85 OR GREATER.** This course is designed to expose students to the history of the United States from the formulation of the Constitution and Bill of Rights through the early twenty first century. Utilizing a thematic approach, students will explore powerful forces and critical junctures in our country's history that helped shape the political and social institutions of America. A focus unit on civics and U.S. Government will also be integrated throughout the year.

A central objective of this course is to promote critical thinking, i.e., drawing conclusions about key historical events and issues based on evidence and reasoned argument. Additionally, by the end of the course successful students will be able to:

- Outline major events in U.S. History such as empire and expansion, causes and effects of war, American economics (depression, recession, inflation, stagflation, government control), political and social movements; historical trends and cycles.
- Demonstrate an understanding of contemporary American democracy and other cultural values from a historical perspective;
- Demonstrate an understanding of continuity and change in the American political system;
- Analyze historical information and make reasoned arguments based on factual evidence;
- Apply historical lessons to current notions of good government and citizenship.

Successful completion of this course will qualify students to earn 3 college credits granted through Thomas College.

**0454 AP U.S. History****Category:** Social Studies **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1

The curriculum will cover the period of American History from discovery to the present day. Students will use and analyze primary sources, including documentary material, maps, statistical tables, pictorial and graphic evidence to study historical events. A focus unit on civics will follow the AP Exam. **STUDENTS MUST TAKE THE AP EXAM.**

**LANGUAGE****0500 French 1****Category:** Language **Grade:** 9-11 **No. of trimesters:** 3 **Credits:** 1

This course provides the student with the opportunity to develop listening, speaking, reading and writing skills in the French language. Oral skills are developed through the use of skits, dialogues and cooperative and hands-on learning activities. Students will be introduced to many aspects of the French culture. Study skills, structured and organized note taking, and pronunciation techniques are emphasized.

**0501 French 2****Category:** Language **Grade:** 9-12 **No. of trimesters:** 3 **Credits:** 1

In this course the student will continue to develop his/her French language skills. Oral skills will continue to be emphasized along with an in-depth study of French grammar. The student continues to develop a better understanding of the French speaking world and cultures. Active and verbal participation is a must.

**0502 French 3****Category:** Language **Grade:** 10-12 **No. of trimesters:** 3 **Credits:** 1

The course builds on the grammar, listening, writing and speaking skills that were introduced in level 1 and 2. Several new verb tenses will be introduced as well as the study of impressionism. Short stories will be read and discussed entirely in the target language.



**0510 German 1****Category:** Language **Grade:** 9-12 **No. of trimesters:** 3 **Credits:** 1

In this course the student learns both to speak with correct German pronunciation and to understand correctly spoken German. From the very first day, the course is conducted in German. Grammar taught is a basic grammar, composed of elementary rules of broad application, without the exceptions. Vocabulary building concentrates on learning those words which actually occur with greater frequency than others. Oral skills are developed through active dialogues with the instructor.

**0511 German 2****Category:** Language **Grade:** 10-12 **No. of trimesters:** 3 **Credits:** 1

Emphasis is on expanding the student's abilities through acquisition of the ready-made phrases and expressions that have been shown to constitute nearly half of the spoken language. These are then used in dialogues to build up self-confidence and diminish tongue-tied inhibitions. The course develops reading skills while expanding the understanding of grammar to allow the student to both express and understand nuances of meaning. The course is conducted in German.

**0512 German 3****Category:** Language **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1

At this level students are required to make themselves understood on as wide a variety of subjects as they might read and discuss in their own native language, not only in dialogues with the instructor, but also in conversation with each other. Grammar and reading skills are expanded concurrently with acquired skills in speaking and understanding. The course is conducted in German.

**0531 Spanish 1****Category:** Language **Grade:** 9-11 **No. of trimesters:** 3 **Credits:** 1

This course is designed to introduce the language, culture and geography of the Spanish speaking world. Cultural reading, conversations and lectures are incorporated to give the student a basic grammatical and linguistic background. Students will engage in reading, writing, speaking and listening activities, as well as, games and hands-on projects.

**0532 Spanish 2****Category:** Language **Grade:** 9-12 **No. of trimesters:** 3 **Credits:** 1

The course is a continuation of Spanish 1 with an introduction to Spanish and Latin American history. It includes exposure to all the verb tenses and a wide range of vocabulary. Students will participate in cultural activities and work on projects related to the Spanish-speaking world.

**1532 Honors Spanish 2****Category:** Language **Grade:** 9-12 **No. of trimesters:** 3 **Credits:** 1

**PREREQUISITE:** TEACHER RECOMMENDATION OR APPROVAL. The course is designed for students who aspire to take the AP exam in their Junior/Senior year. It includes a study of Spanish and Latin American history and a rigorous program of grammar, reading, writing, listening and speaking in preparation for Honors Spanish 3.

**0533 Spanish 3****Category:** Language **Grade:** 10-12 **No. of trimesters:** 3 **Credits:** 1

Spanish 3 is an advanced level class which stresses increased oral and grammatical proficiency. It includes in depth studies of the culture and people of Spanish-speaking world and an introduction to literature.

**1540 KVCC Spanish****Category:** Language **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1

**PREREQUISITE:** COMPLETION OF HONORS SPANISH 2 OR TEACHER APPROVAL and CUMULATIVE AVERAGE OF 85 OR GREATER. KVCC Spanish is an advanced level class focused on high-level oral and grammatical proficiency. Authentic materials are used in a rigorous curriculum designed to increase a student's mastery of Spanish grammar, reading, writing, listening and speaking. Through the utilization of authentic materials, students will also be exposed to an in-depth study of Spanish-speaking culture and people. Successful completion of this course will qualify students to earn 3 college credits granted through KVCC.

**1541 KVCC Spanish 2**

**Category:** Language **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1  
**PREREQUISITE:** COMPLETION OF KVCC SPANISH 1 WITH A GRADE OF 85 OR ABOVE, OR TEACHER RECOMMENDATION/APPROVAL. This advanced level Spanish course is a capstone to Erskine Academy's KVCC Spanish sequence. Students will work towards proficiency in reading, writing, speaking, and listening by being introduced to new grammar concepts such as commands, the perfect tenses, and the subjunctive mood. Students will continue the study of the arts and culture of the Spanish speaking world and will complete major projects, studying the indigenous cultures (Mayas, Incas and Aztecs) and the contributions those cultures made to present day society. Daily conversation in Spanish is essential for this class. Successful completion of this course will qualify students to receive 3 college credits for Spanish 2 granted through KVCC.

**0535 Advanced Conversation Spanish**

**Category:** Language **Grade:** 10-12 **No. of trimesters:** 1 **Credits:** 0.333  
**PREREQUISITE:** COMPLETED SPANISH 2. The conversational class is designed to improve oral proficiency, and is conducted in Spanish using any means available to communicate. The class also serves as an outreach program to local elementary schools. The students prepare weekly lessons with vocabulary and hands-on activities to teach students from the surrounding schools. These lessons reinforce the language skills of the Erskine students while offering junior high school students an opportunity to learn another language. At the beginning of the trimester, the Erskine students decide what skills they would like to improve upon, and lessons are designed focusing on those goals.

**PHYSICAL EDUCATION ELECTIVES****0380 Physical Education – Student Leader**

**Category:** Physical Health **Grade:** 10-12 **No. of trimesters:** 3 **Credits:** 1.000  
This is a course designed for students interested in a student leadership position. Students would qualify for the student leader position based on an interview and a minimum grade of 85 in Physical Education 9. The student leader will learn to instruct and monitor small groups on various activities. Student leaders will assist in setting up equipment for the activity of the day and generally help students in these areas under the supervision of the Physical Education teacher. Grading will be based on participation, and class instructional presentations. Student leaders will be required to change for class every day. This class is suggested for any student interested in a physical education, recreation or outdoor adventure programs or careers.

**0357 / 0358 / 0359 Advanced Physical Education Trimester 1 / 2 / 3**

**Category:** Physical Health **Grade:** 10-12 **No. of trimesters:** 1 **Credits:** 0.333  
This course provides students in the 10th, 11th, and 12th grades with a continuing opportunity to develop and refine necessary motor skills, improve and maintain physical wellness, participate in lifetime physical activities, and engage in self expression and social interaction. This elective is designed to allow student choice in the selection of physical activities. Students will participate in two to three week units. The activities that are offered, but not limited to are: recreational team sports, competitive team sports, individual/lifetime activities, outdoor activities, introduction to non-traditional activities, team building and cooperative learning activities. This course will be held inside and outside of the gymnasium, and students will be required to participation in all areas of this course. There may be a field experience (field trips) for this course in one or all three trimesters.

**0361 / 0362 / 0363 Team Sports Trimester 1 / 2 / 3**

**Category:** Physical Health **Grade:** 11-12 **No. of trimesters:** 1 **Credits:** 0.333  
**MAY BE TAKEN FOR THREE TRIMESTERS TOTAL** - Students in Grades 11 and 12 may choose from numerous team sports. Sports that are offered, but not limited to: softball, soccer, indoor soccer, lacrosse, floor hockey, volleyball, basketball and speed ball. This advanced Physical Health course will focus on the advanced development and understanding of sports etiquette, rules, regulations and single and double elimination tournaments. Individual skills and techniques as well as team strategies will also be covered.

## FINE ARTS

### **0597 Photoshop**

**Category:** Fine Art      **Grade:** 9-12      **No. of trimesters:** 1      **Credits:** 0.333

This course is offered to students who want to learn the elements of manipulation of graphics (pictures and photographs) using Adobe Photoshop. Graphics manipulation projects will be featured. Use of digital camera and scanner will be incorporated into the course. Students will edit and/or combine images to produce various graphic designs and layouts. Examples include advertisements for magazine articles, magazine or book cover pages, or restaurant menu covers. Students will also learn to use various filters in combination with layering and channeling to develop various graphic effects.

### **0598 Webpage Design**

**Category:** Fine Art      **Grade:** 9-12      **No. of trimesters:** 1      **Credits:** 0.333

Webpage Design will introduce and expand the student's knowledge on various aspects of designing Web sites. This course will examine basic Hypertext Markup Language (HTML). During this class, students will apply their knowledge while creating various Websites from scratch. Topics such as design principles, planning and hosting will be addressed.

### **0611 Visual Journaling**

**Category:** Fine Art      **Grade:** 9-12      **No. of trimesters:** 1      **Credits:** 0.333

Students develop their own styles as they combine various techniques in art and writing. A culmination of watercolors, designs, poetry and freewrites result in a personal art journal.

### **1684 Visual Journaling 2**

**Category:** Fine Art      **Grade:** 10-12      **No. of trimesters:** 3      **Credits:** 1

While achieving a balance in art and writing, students experiment with techniques such as marbledizing, printmaking and calligraphy. Journal-writing prompts focus on self-discovery, goal-setting and the aspirations of high school students.

### **0614 Art 1**

**Category:** Fine Art      **Grade:** 9-12      **No. of trimesters:** 3      **Credits:** 1

Art 1 is a survey course which explores art theory, famous artists and techniques through two and three-dimensional projects, such as drawing, painting and sculpture. Students will be introduced to art vocabulary as they read and write about art.

### **0615 Art 2**

**Category:** Fine Art      **Grade:** 10-12      **No. of trimesters:** 3      **Credits:** 1

PREREQUISITE: ART 1. A variety of mediums provides a stimulus for aesthetic growth with hands-on projects such as clay pottery, sculpture, painting and drawing.

### **0616 Advanced Art**

**Category:** Fine Art      **Grade:** 11-12      **No. of trimesters:** 3      **Credits:** 1

PREREQUISITE ART 2: Students will work in a variety of mediums and techniques with emphasis on creative thinking and personal expression. Art criticism and art history will provide a stimulus for aesthetic growth.

### **1618 AP Studio Art: 2-D Design Portfolio**

**Category:** Fine Art      **Grade:** 11-12      **No. of trimesters:** 3      **Credits:** 1

PREREQUISITE: ART 2 ~ This course provides the opportunity to pursue the successful completion of an Advanced Placement portfolio in two dimensional studio art. Using an aggressive timetable and self-direction each student will explore an assortment of methods and techniques. Projects may include drawing, painting, printmaking, collage or mixed media in preparation for an end of the year portfolio review. Under the guidance of the instructor, students will set qualitative and quantitative goals for each trimester in their chosen studio medium. Each student will complete the course with a digital or slide portfolio and will participate in a final presentation of works. STUDENTS MUST SUBMIT PORTFOLIOS TO THE AP EXAM.

**1687                   Advanced Drawing****Category:** Fine Art                   **Grade:** 10-12   **No. of trimesters:** 3                   **Credits:** 1

PREREQUISITE: ART 1. The ability to draw is the basis for the creation of all other art...painting, sculpture, printmaking and ceramics. It enables the artist to plan/describe what he or she visualizes and helps them to fully express their intentions.

In this class we will be working from life. Some assignments might include drawing the skeleton of an animal, five views of the same object, a pile of shells or a tin can. These will not be quick sketches, but detailed drawings making objects look three dimensional on a flat surface using line, shape and value.

We will be working primarily with Ebony pencils and also experimenting with other mediums. Students will increase their ability to see and develop a sense of expression, by taking this class.

**1683                   Watercolor Painting****Category:** Fine Art                   **Grade:** 9-12   **No. of trimesters:** 1                   **Credits:** 0.333

Explore watercolor with an emphasis on the skillful handling of the most expressive paint medium. Students will be introduced to color theory, composition and a variety of watercolor techniques.

**1697                   Watercolor Painting****Category:** Fine Art                   **Grade:** 10-12   **No. of trimesters:** 3                   **Credits:** 1

Students will be introduced to color theory, composition and a variety of techniques as they learn to handle watercolors skillfully. Selections will be made for an art exhibit at the end of the year.

**1922                   Clay Forms****Category:** Fine Art                   **Grade:** 10-12   **No. of trimesters:** 1                   **Credits:** 0.333

Clay Forms is a comprehensive program that provides an opportunity for students to explore and experience new approaches to functional clay forms that can be used in everyday life. Projects might include such things as wall pockets, mugs, plant pots, wing chimes, bird houses, cell phone holders, soap dishes or jewelry.

**1924                   Advanced Clay Forms****Category:** Fine Art                   **Grade:** 10-12   **No. of trimesters:** 1                   **Credits:** 0.333

This course is a continuation of Clay Forms. Students will further explore and create functional clay forms used in everyday life. The emphasis is on creating functional forms with aspects of glaze techniques and firing procedures. Students' projects will culminate in an art exhibition at the end of the year.

**1699                   Street Art / Mural Painting****Category:** Fine Art                   **Grade:** 10-12   **No. of trimesters:** 3                   **Credits:** 1

Forms of street art will be investigated, including discussions about and encounters with street photography, graffiti, sculpture, installation art, art vandalism, underground art, urban sound projects and large-scale projections, with an aim to understand how such art forms came into being and how they may express a distinct message to the inhabitants and visitors of Erskine Academy.

Painting murals and planning installations for the Erskine community or public space will involve coordinating key components. For the class portion, we will learn various methods of painting, how to make a proposal for a public space and meet with the community that will house and help in making the mural. We will coordinate with administrators and learn to identify a theme for those that will live with the mural. Self-portraits and portraits of co-students as well as understanding architectural spaces will be emphasized. We will learn about mural paintings history, its social, local and international roots.

**1685                   Art Appreciation****Category:** Fine Art                   **Grade:** 11-12   **No. of trimesters:** 3                   **Credits:** 1

Explore major styles of artistic expression and learn about the purpose and function of art as you develop your ability to express yourself in verbal and written form.

**0564 Clay Concentration****Category:** Fine Art **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1

PREREQUISITE: Art 2. Clay Concentration will enable more advanced students the opportunity to use the medium of clay as an expressive art form, to practice a variety of hand building techniques and a chance to concentrate their capabilities using the potter's wheel. Specific assignments will be given each trimester.

**1690 Digital Animation****Category:** Fine Art **Grade:** 10-12 **No. of trimesters:** 3 **Credits:** 1

Using basic animation software we will be exploring the principles of cartooning as developed by Walt Disney Studios. In exploring these elements we will create a number of short animations designed to be both amusing and accessible. Topics include major 20th century animated films and television shows; symbols and themes; narrative structures; storyboards; information design; and visual delivery techniques.

**1682 Digital Video Production****Category:** Fine Art **Grade:** 10-12 **No. of trimesters:** 3 **Credits:** 1

This course will include advanced techniques in field production for commercial and educational television. Emphasis will be given to pre- and post- production stages, as well as training for independent assignments and "electronic news gathering". Students will gain hands on experience in lighting, composition, staging, directing, on-camera announcing and interviewing. Students will also learn techniques in planning and preparing for the production process. In post- production, students learn the fundamentals of media asset management, advanced editing techniques and different delivery methods with an emphasis on video compression for the web.

**1642 Filmmaking - Production****Category:** Fine Art **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1.000

The purpose and goal of this course is to understand and develop skills in digital filmmaking. Students learn to shoot and edit their own productions, as well as view and discuss both professional and student work. Examples are chosen to show how one conveys ideas by means of images and sound, including experimental work, fiction and non-fiction film. Students will develop skills in project management, research and communications, design and video production.

**1920 Drama****Category:** Fine Art **Grade:** 9-12 **No. of trimesters:** 3 **Credits:** 1

This class is for the drama student interested in the performance and backstage functions of putting on a show. The students will learn the basics of acting, blocking, costume creation, set creation, lighting, and make-up for the stage. The class is broken up into three parts. First trimester deals with acting basics; second trimester deals with directing and acting in minor, scene-length productions; and third trimester the class will perform a one-act play. Students will be required to spend some time after school hours rehearsing and preparing for the show.

**0620 Interior Design****Category:** Fine Art **Grade:** 9-12 **No. of trimesters:** 1 **Credits:** 0.333

The course will introduce students to a variety of topics concerned with creating a pleasing environment. The course will explore the effective use of various decorating choices and stress the importance of organization. Students will design a house, and using design concepts decorate each living space.

**0649 Screen Printing****Category:** Fine Art **Grade:** 9-12 **No. of trimesters:** 1 **Credits:** 0.333

Screen Printing is an introductory level class bringing students an awareness of the printed graphics industry. Through the use of coating tools, 2-ply film, silk-screens and textile inks, students will attain skills associated with the graphics field.

**0650 Custom Wood Production****Category:** Fine Art **Grade:** 10-12 **No. of trimesters:** 3 **Credits:** 1

A list of six to eight different projects with wood will be completed. These projects will incorporate the use of all woodworking tools and machinery, as well as, proper techniques and work habits.

**0651 Architectural Drafting****Category:** Fine Art **Grade:** 10-12 **No. of trimesters:** 3 **Credits:** 1

Topics include history of architectural styles and principles of good floor plan design, as well as execution of a complete set of plans and construction of a scale model.

**1644 Speech and Debate****Category:** Fine Art **Grade:** 9-12 **No. of trimesters:** 1 **Credits:** 0.333

This course is designed for - but not limited to - students who would like to compete on the Speech Team and be introduced to the basics of debate. Students will be trained in the eleven National Forensic League speech categories as well as in the fundamentals of Public Forum debate. We will explore a variety of literary genres for interpretation and oral delivery. We will stress the use of voice, enunciation, and expression.

**1906 Thomas College Essentials of Watching Films****Category:** Fine Art **Grade:** 11-12 **No. of trimesters:** 2 **Credits:** 0.666

PREREQUISITITE: CUMULATIVE AVERAGE OF 85 OR GREATER. Many people go to the movies as a means of momentary escape from everyday reality. Films, however, can lead the viewer out of the theater and back into the midst of reality, where the human spirit delights, suffers, triumphs, and fails as it encounters life. The challenge for the movie-goer is to develop an "eye" that can perceive how cinematic elements (camera shots, angles, lighting, etc.), narrative technique, and dramatic performance are employed to reveal understanding of the human condition. This course aims at helping film viewers develop eyes of perception so they can appreciate the insights into the human drama offered by the movies they watch. Successful completion of this course will qualify students to earn 3 college credits granted through Thomas College.

**0672 Women's Literature And Issues****Category:** Fine Art **Grade:** 11-12 **No. of trimesters:** 1 **Credits:** 0.333

Women's Literature will introduce students to a variety of women authors from the seventeenth century to the present. The focus will be on the literary merit of the works as well as women's issues in varied social contexts.

**0671 Creative Writing****Category:** Fine Art **Grade:** 11-12 **No. of trimesters:** 1 **Credits:** 0.333

Creative Writing will allow students to design and write poetry, short stories and a play reflecting their gained understanding of devices such as personification, characterization, imagery, simile/metaphor, narrative voice, etc.

**0623 Concert Band****Category:** Fine Art **Grade:** 9-12 **No. of trimesters:** 3 **Credits:** 1

Concert band students will study a broad range of music and will have the opportunity to rehearse during the class period as well as perform in several exhibitions outside the scheduled class period. Students will be expected to understand basic music literacy and proficiency with the technique fundamentals of their particular instrument. The band performs concerts throughout the year. If you don't play a traditional instrument, please see the band instructor as you may still be able to join the concert band.

**0624 Chorus****Category:** Fine Art **Grade:** 9-12 **No. of trimesters:** 3 **Credits:** 1

The Chorus explores and enjoys a wide spectrum of vocal music. Students will study the basics of singing technique, style and music theory. The Chorus performs concerts throughout the school year. Chorus is open to all students.

**1688 Audio Sounds Artists****Category:** Fine Art **Grade:** 9-12 **No. of trimesters:** 3 **Credits:** 1

This course will incorporate group and individual projects, focusing on the three disciplines of audio recording/engineering: amplifying live music, digital recording (via laptop) and internet work. (i.e. uploading, sound cloud, building You Tube channel etc.). Students will also be required to fulfill listening assignments, since listening is needed to become better sound artists/engineers.

Students will learn how to correctly set-up the Music Department's sound systems. Students will learn about different microphone capabilities, microphone placement and how to successfully implement the sound board.

In addition, students will have responsibilities outside of class time. These students will be learning how to properly record, amplify and manage sound for live performances.

**1925 Collaboration Ensemble****Category:** Fine Art **Grade:** 9-12 **No. of trimesters:** 3 **Credits:** 1

Are you interested in composing music? Ever thought about being a songwriter or exploring different styles of music? If so, this ensemble is for you.

Collaboration Ensemble is a year-long course that performs at least two times in the school year. By incorporating vocalists, instrumentalists, and performance artists in an open ensemble setting, Collaboration Ensemble provides an opportunity for poets, visual artists, dancers, and thespians to perform together throughout the year. No prior musical experience is required.

**1568 Jazz Combo****Category:** Fine Art **Grade:** 9-12 **No. of trimesters:** 3 **Credits:** 1

Jazz combo is a performance class that performs many concerts throughout the year. Students will have the opportunity to be innovative with composing, soloing and perfecting their self-expression. Students will explore many styles of music and learn tools for improvisation and music literacy.

**1569 Music Lab****Category:** Fine Art **Grade:** 9-12 **No. of trimesters:** 1 **Credits:** 0.333

Looking to understand how music works? If so, this is class for you. Music Lab is designed to help students at all levels and interest(s). This class is structured in three different settings: individual work (i.e. practicing, composing, extra music theory, listening); presentations (performing or presenting on an artist); and third, group learning. Not only do students study the "nuts and bolts" of music but they also enjoy group discussions on ALL types of music as well. Music lab is a trimester class; however, students are able to take music lab repeatedly as the instructor will focus on personalization. **NO MUSIC EXPERIENCE NEEDED**

**CONSUMER SCIENCE****0600 Intro to Cooking****Category:** Consumer Science **Grade:** 9-12 **No. of trimesters:** 1 **Credits:** 0.333

This is a beginning foods course. Students will learn the basic food preparation skills. This course strives to introduce students to identify nutritional needs and to apply basic principles to food preparation.

**0604 Foreign Foods****Category:** Consumer Science **Grade:** 9-12 **No. of trimesters:** 1 **Credits:** 0.333

This course is to help students learn and understand the cultural differences and similarities in food. This is an opportunity to integrate traditional food with foreign ideas. Basic food preparation from each country studied will be an important tool to understanding.

**0605 Gourmet Foods****Category:** Consumer Science **Grade:** 9-12 **No. of trimesters:** 1 **Credits:** 0.333

This is an advanced class in food preparation techniques and study of the individual dietary needs of special groups.

**0606 Independent Living**

**Category:** Consumer Science **Grade:** 9-12 **No. of trimesters:** 1 **Credits:** 0.333  
Students will learn skills to help them make informed and healthy choices as adults. We will explore the fundamentals of cooking, finance, sewing, parenting, digital citizenship and other topics. This is a crash course in “adulting”.

**0607 Child Development**

**Category:** Consumer Science **Grade:** 9-12 **No. of trimesters:** 1 **Credits:** 0.333  
This is the study of the child care process. Students will explore child development and common childhood behaviors.

**1926 Independent Culinary Arts**

**Category:** Consumer Science **Grade:** 10-12 **No. of trimesters:** 1 **Credits:** 0.333  
Independent students will use a variety of techniques as they research, create and reflect on their culinary experiences. Students will create a plan for the study, create resources describing each lesson including a reflection, and submit a final product summarizing the course.

**1928 Baking**

**Category:** Consumer Science **Grade:** 9-12 **No. of trimesters:** 1 **Credits:** 0.33  
This course is a study of the fundamentals of baking including terminology, tools and equipment, and functions of ingredients.

**1935 Textiles & Apparel**

**Category:** Consumer Science **Grade:** 9-12 **No. of trimesters:** 1 **Credits:** 0.333  
This course will provide students with the opportunity to acquire the knowledge and skills needed for basic clothing design, construction, alteration, and repair. It is an introductory course that will include aspects of design styles and fabric selection. Students will complete multiple projects ranging from basic construction to creative design.

**TECHNOLOGY****0596 Engineering Drafting**

**Category:** Technology **Grade:** 9-12 **No. of trimesters:** 3 **Credits:** 1  
An investigation of a variety of drafting techniques including 2-D drawing, orthographies, isometrics, developments, and dimensioning. When presented with a design problem, student will solve that problem on the drawing board, CAD system and/or through working models.

**0643 Residential Electricity**

**Category:** Technology **Grade:** 9-12 **No. of trimesters:** 1 **Credits:** 0.333  
This class focuses on electricity-how it is produced, delivered, measured, regulated, and handled. Math skills are employed and expanded. Students are required to complete a set of basic wiring experiences during class.

**0645 Engine Theory**

**Category:** Technology **Grade:** 9-12 **No. of trimesters:** 1 **Credits:** 0.333  
A study of the principles of operation of engines and some small engine repair. Topics include: internal combustion 4-stroke reciprocating, internal combustion 2-stroke, diesel engines, rotary engines, principles of hydraulic power, cooling systems, and ignition systems.

**0644 Home and Car Care**

**Category:** Technology **Grade:** 9-12 **No. of trimesters:** 1 **Credits:** 0.333  
This class can be used to get more female students interested in Industrial Arts. In home maintenance, areas to be explored are basic carpentry, plumbing, electricity, sheet rocking, use of tools, and terminology. Car maintenance includes oil changes, checking shocks, fluid levels, changing tires, parts and functions of a vehicle.



## ELECTIVES

### **0660 Current Events**

**Category:** Social Studies **Grade:** 9-12 **No. of trimesters:** 1 **Credits:** 0.333

This course will provide students with the opportunity to learn about and evaluate current issues on the local, state, national and global level. Students will utilize technology to research, discuss and present on various topics.

### **1617 Atrocities of the 20th Century**

**Category:** Social Studies **Grade:** 10-12 **No. of trimesters:** 1 **Credits:** 0.333

Genocide is widespread murder and other acts committed by governments or other groups with the intent to eliminate a national, racial, religious or ethnic group. It is estimated that forty million people were victims of genocide in the twentieth century. This trimester course will examine the precipitating causes, happenings and dynamics leading to atrocities in Europe, Africa and Asia. Potential case studies during the trimester include the Holocaust, Rwanda and Cambodia. The course will use film, novels, individual research and provided readings to explore each case.

### **1599 Street Law**

**Category:** Social Studies **Grade:** 10-12 **No. of trimesters:** 1 **Credits:** 0.333

Street Law is designed to provide students with a practical understanding of their legal rights and responsibilities and knowledge of current issues and controversies relating to law and the legal system. Additionally, the course will seek to improve the students' basic skills in critical thinking and reasoning, communication and problem solving.

### **1919 Historical Events through Film**

**Category:** Social Studies **Grade:** 10-12 **No. of trimesters:** 1 **Credits:** 0.333

This course will examine Hollywood feature films as a source of historical information. Each event or time period will be studied through a three part series. First, the time period being depicted in the film will be introduced to the students, then students will view the film and finally students will create a product in which the students will scrutinize the film by conducting research using more traditional sources, while also analyzing accuracy and taking bias into consideration. Films will vary each trimester based on new film releases and current issues in the world at that time.

### **0455 US Government & Civics**

**Category:** Social Studies **Grade:** 10-12 **No. of trimesters:** 1 **Credits:** 0.333

This one-trimester course is designed to cover the basics of the structure of modern American government and to examine the rights and responsibilities of citizenship. Students will have the opportunity to look at the structure and operations of their government at the national level. Students will see how the operations of government affect their daily lives. Students will also have the opportunity to research and discuss the issues that divide and define our national political foundations.

### **1936 Thomas College American National Government**

**Category:** Social Studies **Grade:** 11-12 **No. of trimesters:** 2 **Credits:** 0.666

**PREREQUISITITE:** CUMULATIVE AVERAGE OF 85 OR GREATER. This course will be a two-trimester intensive on the establishment and operations of the federal government of the United States. The course will discuss the historical, philosophical, and theoretical foundations of the American government. This will include the Declaration of Independence, the failed Articles of Confederation, the Constitution, Bill of Rights, the establishment of the powers of the federal government, and the balance of security and the power of the states and people. The remainder of the course will examine the early trials and successes of the American system, the establishment of two-party rule, and the revisions that were necessitated by those early changes. Successful completion of this course will earn three college credits granted through Thomas College.

### **1656 Thomas College Psychology**

**Category:** Social Studies **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1

**PREREQUISITITE:** CUMULATIVE AVERAGE OF 85 OR GREATER. This Thomas College dual enrollment course introduces the scientific study of behavior. It deals with such topics as learning, memory, motivation, consciousness, emotions, perceptions and experience, personality, interpersonal relations, conflict, and research methods. Successful completion of this course will qualify students to earn 3 college credits granted through Thomas College.

**1621 AP Psychology****Category:** Social Studies **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1

This course provides students with a learning experience equivalent to that of an introductory college course in psychology and prepares them for the AP Psychology Exam. Students are introduced to the systematic and scientific study of the behavior and mental processes of human beings and other animals in context. The course provides instruction in empirically supported psychological facts, research findings, terminology, associated phenomena, major figures, perspectives, and psychological experiments. Topics such as neuroscience, nature and nurture, personality, abnormalities, motivation and emotion, sensation and perception, learning and memory, and intelligence are explored. STUDENTS MUST TAKE THE AP EXAM.

**1639-1641 Independent Health****Category:** Science **Grade:** 11-12 **No. of trimesters:** 1 **Credits:** 0.333

This one trimester course is being offered to Juniors and Seniors wishing to improve their fitness habits. The class size is limited; therefore only those truly interested in weight room and fitness should ask to be selected. First trimester will offer biking, weight room and team activities. Second trimester will offer primarily weight room and aerobic activities. Third trimester will offer weight room training, exercise videos, biking and outdoor activities.

**1571 Basic First Aid & CPR****Category:** Physical Health **Grade:** 11-12 **No. of trimesters:** 1 **Credits:** 0.333

This course is designed for Juniors and Seniors to further their knowledge in Health. The trimester will be devoted to training students in Red Cross First Aid/Adult, Child and Infant CPR. Students wishing to receive a certificate will need to pay a nominal fee to be set at the time of the course.

**1933 BLS CPR and First Aid****Category:** Physical Health **Grade:** 11-12 **No. of trimesters:** 1 **Credits:** 0.333

This course is designed for juniors and seniors that will be going into the medical profession. This trimester course will be devoted to BLS, Basic Life Support training, as well as first aid. Students will be required to pass all proficiency assessments and pay a nominal fee to earn and receive their certificates. This fee is set annual by the American Heart Association. If time allows, we will also be working in the greenhouse as part of the course's focus on nutrition.

**1929 UMF Geology Lab****Category:** Science **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1

PREREQUISITE: CUMULATIVE AVERAGE OF 85 OR GREATER. This combination of lecture/laboratory course is designed to use the scientific method to explain natural aspects of the earth; for example, how mountains form or valleys develop, or why gas and oil are concentrated in some rocks but not in others. The earth's surface and its interior are constantly changing. The course explains the how and why these changes occur in light of Plate Tectonic Theory and, a most important aspect of geology, time. Further study will introduce students to the origin, development, distribution, and utilization of the earth's physical resources. Topics include environmental ethics, resource exploitation, earthquakes, floods, geo-aspects of health and disease, land utilization, drinking water, fuel and non-fuel mineral resource depletion, energy options, environmental impact and law, and interrelationships between the geosciences and society. Successful completion of this course will qualify students to earn 4 college credits granted through the University of Maine Farmington.

**0379 Anatomy & Physiology****Category:** Science **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1

PREREQUISITE JUNIORS & SENIORS WITH CP LAB BIOLOGY, CP LAB CHEMISTRY (85) AVERAGE OR WITH INSTRUCTOR APPROVAL - This is an introductory course, which allows students an opportunity to gain a comprehensive understanding of the anatomy and physiology of the human body. There is a specific focus on causes, risks, prevention and treatments of diseases, disorders and illnesses. Anatomy and Physiology is directed toward students who plan on going into a life science field. It requires substantial memorization and self-motivation. Students should be aware that some dissection will be involved in this course.

**0314 KVCC Survey of Anatomy & Physiology****Category:** Science **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1

PREREQUISITE: CUMULATIVE AVERAGE OF 85 OR GREATER. This combination of lecture/laboratory course is designed to introduce students to the relationship between structure and function of body systems and the mechanisms by which homeostasis is maintained within each system. Successful completion of this course will qualify students to earn 3 college credits granted through KVCC.

**1666 Robotics****Category:** Elective **Grade:** 9-12 **No. of trimesters:** 3 **Credits:** 1

The purpose of the Robotics course is to provide students with an engaging project based curriculum that has a foundation in science, technology, engineering, and mathematics (STEM). Classroom activities and experiences will enable the students to reach their full potential and develop the knowledge and skills that are vital to their success in an increasingly demanding and challenging age. Students will follow the basic engineering and design process in which they can use mathematics and science concepts in real-world applications. The students will hone their problem solving and leadership skills while planning, designing, building and competing in a cooperative group setting that is overshadowed by a motivating, competitive state robotics competition.

**0331 Astronomy****Category:** Elective **Grade:** 11-12 **No. of trimesters:** 1 **Credits:** 0.333

This course is designed for the academic student wishing to discover more about the universe. Included will be the study of heavenly bodies (stars, planets, galaxies), their positions, distances, motions, dimensions, composition and physical condition. The history of astronomy, space exploration, and the instrumentation used by astronomers will also be discussed. A trip to an observatory is planned.

**1655 Financial Literacy****Category:** Elective **Grade:** 11-12 **No. of trimesters:** 1 **Credits:** 0.333

This class is designed for students who would like to explore the many facets of money. Topics will include being fiscally responsible, putting your money to work and taking advantage of your benefits.

**0246 Accounting 1****Category:** Business **Grade:** 9-12 **No. of trimesters:** 3 **Credits:** 1

This course will cover the basic theory of accounting. Emphasis will be placed on basic principles and concepts. After manual accounting procedures are mastered, software is used as enrichment activities to facilitate the processing of accounting data and the use of computers in accounting.

**1590 Fundamentals of Law****Category:** Business **Grade:** 10-12 **No. of trimesters:** 1 **Credits:** 0.333

This study of business law with a focus on personal applications will instruct students to the systems of justice, court procedures, and civil, criminal, contract, and property law. This class includes a mock trial and actual court case scenarios. This course is helpful for personal use and recommended for those intending on a college business major.

**1661 Stock Market Game****Category:** Elective **Grade:** 11-12 **No. of trimesters:** 1 **Credits:** 0.333

The Stock Market Game is a program that engages students in the study of securities markets. It is an online trading simulation that begins by funding each account with virtual cash in the amount of \$100,000. Students work in teams to build successful portfolios by researching and evaluating stocks and making financial decisions that will affect their portfolios. They will learn about the fundamentals of how a market economy operates, how investing affects the economy, and how the economy affects investments.

**1908 EMCC Computer Applications****Category:** Elective **Grade:** 11-12 **No. of trimesters:** 2 **Credits:** 0.666

PREREQUISITE: CUMULATIVE AVERAGE OF 85 OR GREATER. This dual enrollment college course develops basic computer skills with emphasis placed on formatting documents within the Microsoft Office platform. Students will become proficient with Microsoft Word, Excel, PowerPoint and Access. Successful completion of this course will earn three college credits granted through Eastern Maine Community College.

**1551 Introduction to Business****Category:** Elective      **Grade:** 9-12      **No. of trimesters:** 3      **Credits:** 1

An introduction to the world of business and its opportunities for those well prepared to make economic success. This study of business ownership introduces students to marketing, purchasing, production, management functions and relations. Students will develop their own business plans, work with the technologies common to the development and operation of the small business, and learn how successful entrepreneurs built their businesses from idea to livelihood.

**1909 Thomas College Environmental Science****Category:** Elective      **Grade:** 11-12      **No. of trimesters:** 3      **Credits:** 1

**PREREQUISITITE:** CUMULATIVE AVERAGE OF 85 OR GREATER. This Thomas College dual enrollment course focuses on the themes of sustainability and balance within living systems. Topics covered include population, land use, energy policies, resource depletion, climate change and the role of humans in the biosphere. Successful completion of this course will qualify students to earn 3 college credits granted through Thomas College.

**1910 Thomas College Java Programming****Category:** Elective      **Grade:** 11-12      **No. of trimesters:** 3      **Credits:** 1

**PREREQUISITITE:** CUMULATIVE AVERAGE OF 85 OR GREATER. This course introduces the student to the concepts, theory, and practice of the object-oriented programming language using Java. Concepts are reinforced with projects, reading, and testing of concepts. Successful completion of this course will qualify students to earn 3 college credits granted through Thomas College.

**1678 JMG 11****Category:** Elective      **Grade:** 11      **No. of trimesters:** 3      **Credits:** 1

Jobs for Maine's Graduates (JMG) is a statewide nonprofit that works within Maine's public schools to help students reach their fullest potential. Students in JMG are full of potential, but face barriers to education. It is JMG's goal to provide these students with the skills and resources they need to overcome those challenges, and to graduate from high school prepared to succeed in post-secondary education and the workforce.

JMG's mission is to identify students who face barriers to education, and to guide each one on to a successful path toward continued education, a meaningful career, and productive adulthood. This is accomplished through classroom instruction which includes oral and written communications, time management, personal finance, effective human relations and good work habits. JMG students also establish and manage a Career Association through which they build self-esteem, test leadership skills and explore career and educational opportunities.

**1930 Plan, Produce Podcast****Category:** Elective      **Grade:** 9-12      **No. of trimesters:** 1      **Credits:** 0.333

In this class, you will discover the power of your own voice and the voice of others while planning and producing podcasts. Podcasts are today's version of oral storytelling. Do you have a story to tell? You will learn the multiple components of making a successful podcast: scripting, writing, audio recording, revising and finally producing.