

2024-25

ENROLLMENT GUIDE





Our Mission:

Andover Public Schools prepares learners for a changing world by creating meaningful educational opportunities that equip and empower students to lead successful and fulfilling lives.

Portrait
of a
Graduate

- Academic preparation**
 - Has skills and knowledge to pursue life goals
 - Has real-world experience to succeed after high school
- Collaboration and communication**
 - Works well with others
 - Values teamwork
- Innovative thinking**
 - Thinks critically and independently
 - Solves problems creatively
- Integrity and character**
 - Has strong work ethic
 - Does the right thing
- Resilience**
 - Learns from mistakes and failures
 - Adapts to an ever-changing world



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Introduction

To Students and Parents:

This Course Catalog is designed to assist students and their parents in planning an academic course of studies for the upcoming school year as well as the remainder of high school. Designing a personalized schedule requires planning, analysis, decision-making and self-knowledge. Because no one knows a student better than his or her parents, we highly encourage parents to be involved as a facilitator in this process.

With input from parents/guardians, teachers and guidance counselors, we believe that high school students are capable of developing a personalized schedule that best meets their individual career goals, interests and abilities.

We counselors highly recommend that students and parents become well-informed about the requirements for graduation. For students to achieve the greatest success in high school, it is imperative that students have excellent attendance, develop a sense of responsibility and apply organizational skills. Therefore, we encourage parents and guardians to hold their student accountable for prompt attendance, completing homework, studying for tests, and meeting deadlines and commitments. Communication and cooperation between home and school will always enhance our ability to effectively meet students' needs, so we encourage you to contact us any time during the school year.

Alice Gorges

Erica Johnson

Andover eCademy Counselors

Graduation Requirements

To be eligible for graduation from Andover Public Schools USD 385, a student must meet the following minimum requirements before the Board of Education may grant a diploma.

A student must earn a minimum of 25 credits from one or more accredited high schools in grades 9, 10, 11 and 12. The Board of Education reserves the right to accept credit from non-accredited schools when it is in the best interest of the district and student to do so. The following is a list of credits a student **must** earn:

Language Arts	4	1 credit must be taken each year
Mathematics	3	
Science	3	
Social Studies	3	World Geography (½) Modern World History (½) US History (1) US Government (½) Electives (½) -- students may exceed the ½ required
Foundation of Physical Education	½	
Foundations of Health	½	
Computer Studies	½	
Fine Arts	1	
Speech	½	
Electives (minimum)	9	Students may exceed the minimum
Total	25	

To help student progress toward graduation, the following guidelines have been established:

Grade-level	Cumulative High School Credits to be Earned
Freshman	A student must have completed the 8th grade successfully at an accredited school. Courses completed in the 8th grade in USD 385 do not count for high school credit. However, students transferring from another school district may receive high school credit if that district's high school had accepted and recorded these credits on the student's high school transcript.
Sophomore	A student must have earned a minimum of six credits from an accredited school in grade 9.
Junior	A student must have earned a minimum of 12 credits from an accredited school in grades 9 and 10.
Senior	A student must have earned a minimum of 18 credits from an accredited school in grades 9, 10 and 11.

Qualified Admissions Requirements

Any student wishing to enroll in a Kansas Regents College following high school graduation must meet Qualified Admissions Requirements. The following pages contain the Kansas Board of Regents Qualified Admissions Curriculum, the Kansas Scholars Curriculum and NCAA Eligibility.

Qualified Admissions



Qualified Admissions

High School Graduates Academic Year 2022-2023 and After

The six state universities in Kansas--Emporia State University, Fort Hays State University, Kansas State University, Pittsburg State University, The University of Kansas, and Wichita State University--use the standards below, set by the Kansas Board of Regents, to review applicants for undergraduate admission.

ACCREDITED HIGH SCHOOL

Freshman applicants, under the age of 21, who graduate from an accredited high school, will be guaranteed admission to six state universities by meeting the Qualified Admissions requirements designated by each university, as follows:

ESU, PSU, FHSU, & WSU:

- Cumulative High School GPA 2.25+ or ACT 21+ (SAT 1060)*

K-State:

- Cumulative High School GPA 3.25+ or ACT 21+ (SAT 1060)*

KU:


- Cumulative High School GPA 3.25+
OR Cumulative GPA 2.0+ and ACT 21+ (SAT 1060)*

ALL Institutions Require:

- Cumulative GPA 2.0+ for College Credits earned in High School

KANSAS SCHOLARS CURRICULUM IS RECOMMENDED BUT NOT REQUIRED: To best prepare for the rigor of college-level courses, the Kansas Scholars curriculum is recommended.

One unit is equivalent to one year, or two semesters:

				
English 4 units	Math 4 units 1 unit of each: Algebra I, Geometry, Algebra II 1 unit: Advanced Math See KS Scholars page For Math course list	Social Science 3 units 1 unit U.S. History .5 unit U.S. Gov .5 unit World History 1 unit: Social Science course See KS Scholars Page for Social Science course list	Science 3 units 1 unit of each: Biology, Chemistry, & Physics	Foreign Language 2 units of the same language

KANSAS SCHOLARS Program: More information about the Kansas Scholars Scholarship & Curriculum can be found [here](#) (pdf).

HOMESCHOOL & UNACCREDITED HIGH SCHOOL

Freshman applicants, under the age of 21, who are homeschooled or graduate from an unaccredited high school will be guaranteed admission to the six state universities by achieving an ACT score equivalent to those outlined above, per each university. If you enroll in college courses while in high school, it is also required that you achieve a 2.0 GPA or higher in those courses.

**If you do not meet the qualified admission requirements, you are still encouraged to apply. Your application will be reviewed individually. Contact the university admissions office for more information.*

This document provides a summary overview of admission requirements at state universities and is not a substitute for or to be used in lieu of the actual detailed admissions requirements, which can be found at: www.kansasregents.org/qualified_admissions_rules_regulations.

NCAA Eligibility

Initial-Eligibility Standards

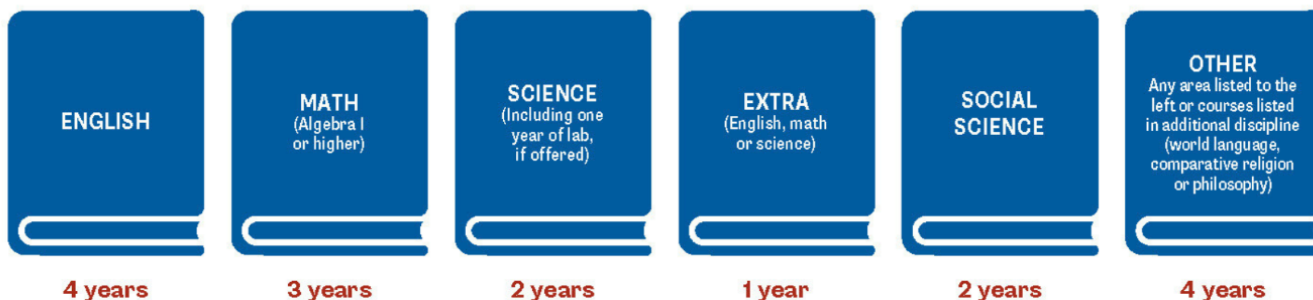
If you want to compete in NCAA sports, you need to register with the NCAA Eligibility Center at eligibilitycenter.org. Plan to register before your freshman year of high school. For more information on registration, visit on.ncaa.com/RegChecklist.

Academic Requirements

Division I and II schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet the following requirements:

Division I

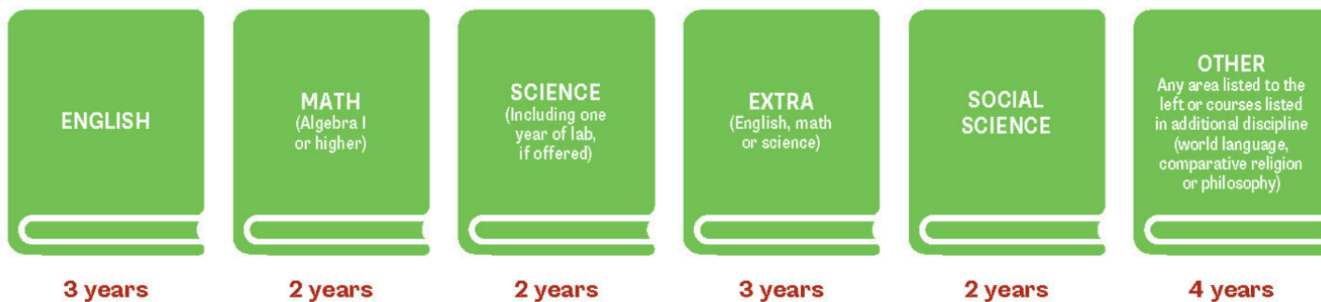
1. Earn 16 NCAA-approved core-course credits in the following areas:



2. Complete your 16 NCAA-approved core-course credits in eight academic semesters or four consecutive academic years from the start of ninth grade. If you graduate from high school early, you still must meet core-course requirements.
3. Complete 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of your seventh semester. Once you begin your seventh semester, any course needed to meet the 10/7 requirement cannot be replaced or repeated.
4. Earn a minimum 2.3 **core-course GPA**.
5. Ask your high school counselor to upload your **final official transcript** with proof of graduation to your Eligibility Center account.

Division II

1. Earn 16 NCAA-approved core-course credits in the following areas:



2. Earn a minimum 2.2 **core-course GPA**.
3. Ask your high school counselor to upload your **final official transcript** with proof of graduation to your Eligibility Center account.

Division III

While **Division III schools** set their own admissions and academic requirements, **international student-athletes** (first-year enrollees and transfers) who are enrolling at a Division III school after Aug. 1, 2023, must be certified as an amateur by the Eligibility Center. Contact the Division III school you plan to attend for more information about its academic requirements.

GRADE
9
REGISTER

- » If you haven't yet, **register** for a free Profile Page account at eligibilitycenter.org for information on NCAA initial-eligibility requirements.
- » Use NCAA Research's **interactive map** to help locate NCAA schools you're interested in attending.
- » Find your high school's list of NCAA-approved core courses at eligibilitycenter.org/courselist to ensure you're taking the right courses, and earn the best grades possible!

GRADE
10
PLAN

- » If you're being actively recruited by an NCAA school and have a Profile Page account, **transition** it to the required **certification account**.
- » Monitor the **task list** in your NCAA Eligibility Center account for next steps.
- » At the end of the school year, ask your high school counselor from each school you attend to upload an official transcript to your Eligibility Center account.
- » If you fall behind academically, ask your high school counselor for help finding **approved courses** you can take.

GRADE
11
STUDY

- » Ensure your **sports participation** information is correct in your Eligibility Center account.
- » Check with your high school counselor to make sure you're on track to complete the required number of NCAA-approved **core courses** and graduate on time with your class.
- » Share your **NCAA ID** with NCAA schools recruiting you so each school can place you on its **institutional request list**.
- » At the end of the school year, ask your high school counselor from each school you attend to upload an official transcript to your Eligibility Center account.

GRADE
12
GRADUATE

- » **Request your final amateurism certification** beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your Eligibility Center account at eligibilitycenter.org.
- » Apply and be accepted to the NCAA school you plan to attend.
- » Complete your final NCAA-approved **core courses** as you prepare for graduation.
- » After you graduate, ask your high school counselor to upload your final **official transcript** with proof of graduation to your Eligibility Center account.

How to plan your high school courses to meet the 16 core-course requirement:

4 x 4 = 16

9th GRADE

- (1) English
- (1) Math
- (1) Science
- (1) Social Science and/or other

4 CORE COURSES

10th GRADE

- (1) English
- (1) Math
- (1) Science
- (1) Social Science and/or other

4 CORE COURSES

11th GRADE

- (1) English
- (1) Math
- (1) Science
- (1) Social Science and/or other

4 CORE COURSES

12th GRADE

- (1) English
- (1) Math
- (1) Science
- (1) Social Science and/or other

4 CORE COURSES



CONTACT THE NCAA ELIGIBILITY CENTER

U.S. and Canada (except Quebec):
877-262-1492 (toll free), Monday-Friday
9 a.m. to 5 p.m. Eastern time



[@ncaaec](https://twitter.com/ncaaec) [@ncaaec](https://www.youtube.com/channel/UCncaaec) [@ncaaec](https://www.facebook.com/ncaaec) [@playcollegesports](https://www.instagram.com/playcollegesports)

How to Use this Course Guide

This course catalog was created with input from eCademy teachers, counselors and the principal, all of whom desire to see every student succeed at Andover eCademy. Please use this catalog as a guidebook for planning your future.

1. Look at your transcript and determine which graduation requirements you have already met, and which still need to be completed.
2. Determine how many courses are needed to acquire the number of credits necessary to graduate.
3. Using the Educational Career Plan worksheet in this catalog that pertains to the Career Path/Career Cluster you have chosen, select courses from that list that will meet high school graduation requirements as well as prepare you for your chosen career.
4. Create/update your 4-year high school plan, being careful to meet the prerequisites of courses as you schedule them in order. Note: Students may NOT pre-enroll in a course until they have met all the prerequisites. If you plan to attend college, make sure your 4-year plan meets the entrance requirements for the college of your choice.
5. If you will be a senior and seeking early graduation in December, obtain the proper form from the Guidance Office, complete, and schedule a meeting with the counselor, you and your parent/ guardian.
6. Complete a Pre-Enrollment form and have your current teachers of core subjects (English, math, science and social studies) recommend an appropriate core course for next year.
7. Not all classes may be available next year. If fewer than 5 students enroll in a particular course, the course may not be offered. It is important you choose alternates you would be interested in taking instead.

Definition of Terms

ACT: A college entrance exam accepted by Midwest colleges. Many colleges look at ACT score composites and GPA for admission and use the English and Math sub-scores for placement.

Class Rank: A student's standing in relation to his/her classmates based on a weighted GPA. Class rank is updated following the end of each semester, and is available to students in the guidance office upon request.

College-Preparatory (college-prep) course: A sufficiently rigorous course that prepares students for success in college. In general, applied courses are not considered college-prep.

Core Courses: English, math, science and social Studies courses. Highly selective colleges like to see students take four years of core courses plus two years of the same foreign language.

Credit: The numerical value a student receives for completing a course.

Elective: Courses that do not meet a specific graduation requirement.

Fine Art: Courses that investigate creative pursuits, such as art, music, dance, vocal, drama, etc.

Grade Point: The numerical value assigned to a letter grade.

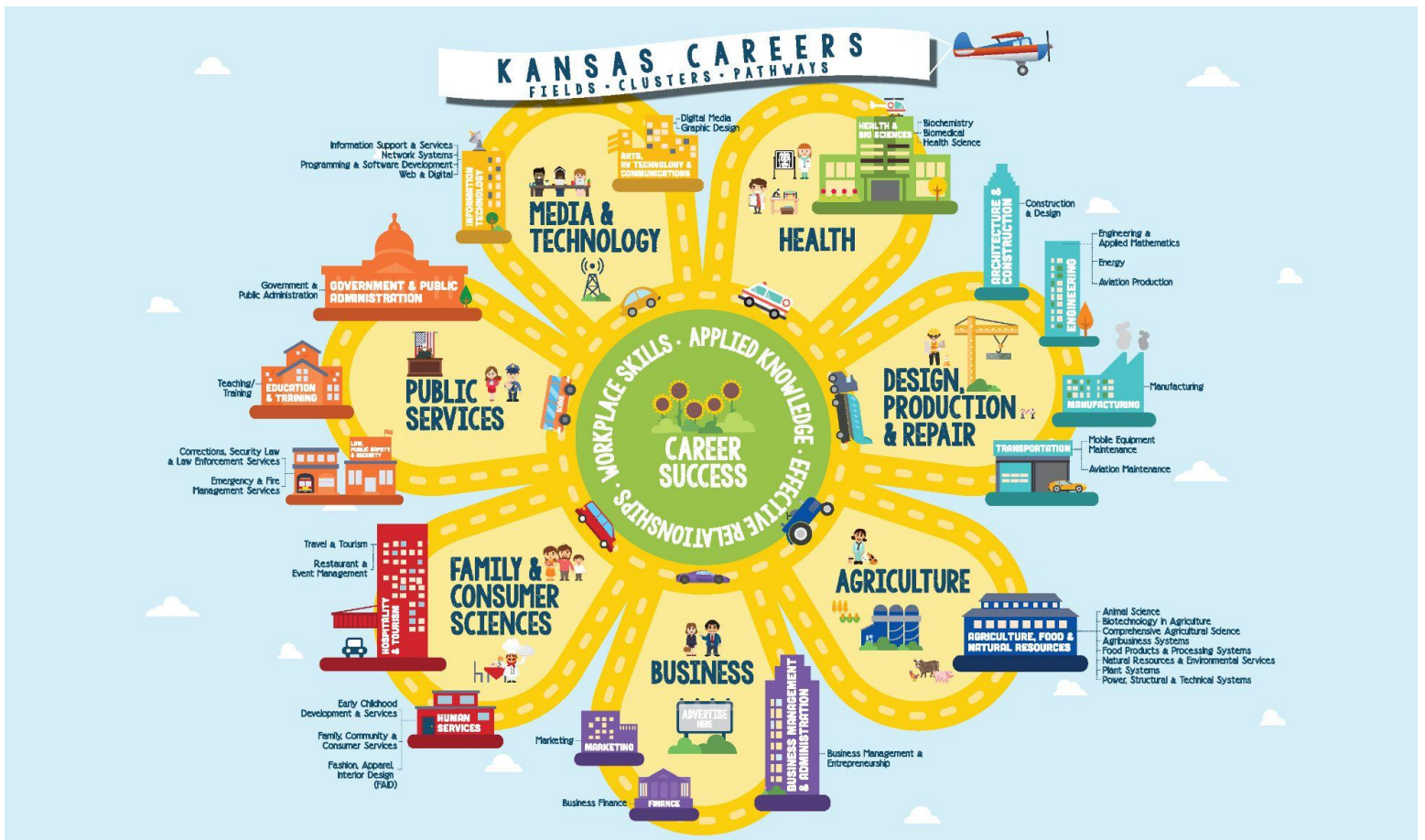
Grade Point Average (GPA): The numerical average of all the grade points earned.

NCAA College Freshman Eligibility Requirements: The requirements a high school student must meet in order to be allowed to play sports at a Division I or Division II college. These requirements include taking many core courses, the ACT or SAT, and graduating with a sufficient GPA.

Prerequisite: Course(s) that must be completed before a student may enroll in a subsequent course.

Requirement: A course required for graduation. For example, completing one credit of fine art and one-half credit of computer studies are requirements for graduation.

Transcript: A written record of all the credits a student has earned during high school. It also includes semester grades, GPA and class rank. A student may request a copy of his/her official transcript be sent to a college by completing a transcript request form, available in the guidance office. This form must be signed by a parent for students under 18 years of age. Federal regulations limit the student information a school may release without written permission. Unofficial copies of transcripts are available upon request in the guidance office.



What are my options after High School?



Career Choices After High School

Apprenticeship: A one to four-year training program where employees “earn while they learn.” Apprentices are usually paid a salary while they learn their new trade. Examples are building jobs (drywall, bricklaying, etc.), iron workers, electrical repair.

Vocational-Technical/Trade School: Programs at these schools are 9 months to 2 years in length. Examples are cosmetology, massage therapy, medical secretary, chef, computer repair.

Job Corps: Vocational and skill training, high school diploma/GED, room and board, and sometimes child care provided for economically disadvantaged youth, ages 16-24, at various locations throughout the US. More info: <https://www.jobcorps.gov/>.

AmeriCorps: Volunteers are provided a modest living allowance, health insurance, money for college and trade school, loan deferment and interest forbearance, and professional development. More info: www.americorps.gov.

Military: Skills training, room and board, insurance benefits, salary and financial aid for college may be earned during enlistment.

Two-Year Junior Colleges: A two-year college can be a great option if you are unsure about your career path or who aren't ready for a four-year college. These programs give students the option to move on to a four-year school. Or, they can strengthen skills and prepare them for careers. Most community colleges have open enrollment, GED programs and offer remedial courses.

Four-Year College or University: A traditional four-year college or university can prepare young people for a wide range of professional careers.

High School Graduation Planner Checklist

Required Classes	Credits	Credits Completed	Taking Now
English 1	1		
English 2	1		
English 3	1		
English 4	1		
Math	3		
Science	3		
World Geography	½		
Modern World History	½		
Us History	1		
Us Government	½		
Social Studies Elective	½		
Health	½		
PE	½		
Fine Arts	1		
Computer Studies	½		
Speech	½		
Electives	9		
Total	25		

College Release Policy

Credit for both high school and college will be awarded for the successful completion of approved course(s) provided the following guidelines are maintained:

1. Approval, in advance, must be obtained from the Principal or his designated representative and must be on file in both the college office and the eCademy office.
2. A 3-credit hour college class will transfer as $\frac{1}{2}$ high school credit. A 5-credit hour college class will transfer as 1 high school credit. Anything less than a 3-credit hour class will not transfer as high school credit.
3. Grades earned in a college class for College Release WILL be posted on the high school transcript and WILL be used for grade point averages, including honor recognition and rank in class.
4. Tuition and all fees for college courses are the responsibility of the student.
5. The High School Permission Form for College Release must be filled out and returned to the eCademy office prior to the start of the college class or high school credit will not be given. A copy of the student's college schedule must also be on file in the high school counselor's office.

Students who do not plan to enroll in a college course for College Release and who seek only college credit must have the approval, in advance, of the Principal or his designated representative. This approval will generally not be denied; however, the school official will counsel with the student as to the additional demands that could be placed upon the student and the concern for the student's social and academic well-being.

Class Change Policy

Students wishing to add or change a class must do so in the first two weeks of the semester. When the student is placed in the new course, students will be required to complete the new course from the beginning. If a student wants to withdraw or drop a class it must be done within the first eight weeks of the semester. Students who wish to drop a class after this deadline will receive an F for the dropped course on their transcript.

High School Course Offerings

½ = Fall or Spring semester course

1 = full year course

Language Arts

English 9

Grade: 9

Credit: 1

This course expands a student's personal, social, literary and historical vision. English 9 will provide students with activities which highlight skills such as reading, writing, listening, speaking, language usage, and literature analysis while analyzing 21st century themes and topics. Students will respond to a variety of literary forms, which include poetry, drama, short stories, and the novel.

English 9 Honors

Grade: 9

Credit: 1

Prerequisite: "A" in English 8

This course expands a student's personal, social, literary and historical vision. English 9 will provide students with activities that highlight skills such as reading, writing, listening, speaking, language usage, and literature analysis while analyzing 21st century themes and topics. Students will respond to a variety of literary forms, including poetry, drama, short stories, and the novel. In addition, students will practice informative, narrative, persuasive and analytical writing. Honors students are expected to engage in independent reading and connect with their classmates through regular video discussions, sharing ideas on various topics.

English 10

Grade: 10

Credit: 1

Students will study various fiction and non-fiction texts while analyzing 21st century themes and topics. In addition to evaluating literature by multicultural writers, students will learn to identify themes, analyze poems, and practice informative, narrative, persuasive, and analytical writing. Students will conduct research and practice citing evidence to support their ideas.

English 10 Honors

Grade: 10

Credit: 1

Prerequisite: "A" in English 9 or "B" or above in English 9 Honors

Students will study various fiction and non-fiction texts while analyzing 21st century themes and topics. In addition to evaluating literature by multicultural writers, students will learn to identify themes, analyze poems, and practice informative, narrative, persuasive, and analytical writing. Students will conduct research and practice citing evidence to support their ideas. Honors students are expected to engage in independent reading and connect with their classmates through regular video discussions, sharing ideas on various topics.

English 11

Grade: 11

Credit: 1

In this course, students will read a collection of the writing and insights of American authors throughout American history. Students will gain an appreciation of American literature and learn about the times in which it was written. Students will write a variety of essays and research-based compositions. Students will read at least one fiction novel and one nonfiction novel.

English 11 Honors

Grade: 11

Credit: 1

Prerequisite: "A" in English 10 or "B" or above in English 10 Honors; intended for college-bound students

The object of this course is to prepare students for college-level reading, writing, and thinking. Students will gain an appreciation of American literature and learn about the times in which it was written. The skills utilized in this course include a literary analysis of selected prose and poetry, analytical writing, and application of analytical skills in reference to major novels or other major literary works. Students will write a variety of essays, research-based compositions, and module projects. In the fall, honors students must study Puritan literature by reading either *The Crucible* or *The Scarlet Letter*. In the spring, honors students must read a fiction novel (*The Great Gatsby*) and a nonfiction novel (*Band of Brothers* or *Hidden Figures*).

English 12

Grade: 12

Credit: 1

In this course, students will read collections by British authors throughout history. Students will gain an appreciation of British literature and learn about the times in which it was written. The skills utilized in this course include a literary analysis of selected prose and poetry, analytical writing, and application of analytical skills in reference to major novels or other major literary works. Students will read texts from the Classical, Medieval, Elizabethan, and Regency periods.

English 12 Honors

Grade: 12

Credit: 1

Prerequisite: "A" in English 11 or "B" or above in English 11 Honors

The object of this course is to enable students to satisfactorily complete college-level reading, writing, and thinking. Students will compose an annotated bibliography and formal research paper. Students will gain an appreciation of British literature and learn about the times in which it was written. The skills utilized in this course include literary analysis of selected prose and poetry, analytical writing, and application of analytical skills in reference to major novels or other major literary works from the Classical, Medieval, Elizabethan, Regency, and Victorian periods.

Speech

Grades: 9 -12

Credit: ½

This course examines those foundations in both Aristotle and Cicero's views of rhetoric, and then traces those foundations into the modern world. Students will learn not just the theory, but also the practice of effective public speaking, including how to analyze the speeches of others, build a strong argument, and speak with confidence and flair. By the end of this course, students will know exactly what makes a truly successful speech and be able to put that knowledge to practical use. **This course is required for graduation.**

Mathematics

Basic Math

Grades: 9-10

Credit: 1

This course is designed to develop and solidify basic arithmetic and algebra skills. It includes computation using integers, fractions, decimals, proportions and percents.

Basic Math 2

Grades: 9-10

Credit: 1

This course is designed to develop and solidify basic arithmetic and algebra skills. It includes computation using integers, fractions, decimals, proportions and percents.

Pre-Algebra Part 1

Grades: 9-10

Credit: $\frac{1}{2}$

This course is designed to introduce students to the fundamental concepts of algebra. Topics covered include operations with integers, rational numbers, real numbers, solving linear equations, graphing lines and linear inequalities, and systems of linear equations.

Pre-Algebra Part 2

Grades: 9-10

Credit: $\frac{1}{2}$

This course is designed to introduce students to the fundamental concepts of algebra. Topics covered include operations with integers, rational numbers, real numbers, solving linear equations, graphing lines and linear inequalities, and systems of linear equations.

Extended Algebra Part 1

Grades: 9-10

Credit: $\frac{1}{2}$

Prerequisite: Students who received a D or F in Pre-Algebra or 8th grade math. Teacher recommendation. Students will be exploring the following topics: order of operations, simplifying algebraic expressions, solving multistep equations, algebraic word problems, slope and intercepts, graphing equations of lines, parallel and perpendicular lines, solving inequalities, solving systems of equations by graphing, substitution and elimination.

Extended Algebra Part 2

Grades: 9-10

Credit: $\frac{1}{2}$

Prerequisite: Students who received a D or F in Pre-Algebra or 8th grade math. Teacher recommendation. Students will be exploring the following topics: operations with polynomials, factoring polynomials, solving quadratic equations by factoring, using graphing technology, and word problems involving rational equations.

Extended Algebra Part 3

Grades: 9-10

Credit: ½

Prerequisite: Students who received a D or F in Pre-Algebra or 8th grade math. Teacher recommendation.

Students will be exploring the following topics: operations with polynomials, factoring polynomials, solving quadratic equations by factoring ,using graphing technology, and word problems involving rational equations.

Extended Algebra Part 4

Grades: 9-10

Credit: ½

Prerequisite: Students who received a D or F in Pre-Algebra or 8th grade math. Teacher recommendation.

Students will be exploring the following topics: operations with polynomials, factoring polynomials, solving quadratic equations by factoring ,using graphing technology, and word problems involving rational equations.

Algebra 1

Grades: 9 -10

Credit: 1

Students will be exploring the following topics: order of operations, simplifying algebraic expressions, solving multi-step equations, algebraic word problems, slope and intercepts, graphing equations of lines, parallel and perpendicular lines, solving inequalities, solving systems of equations by graphing, substitution and elimination, operations with polynomials, factoring polynomials, solving quadratic equations by factoring, using graphing technology, and word problems involving rational equations.

Algebra 1 Honors

Grades: 9– 10

Credit: 1

Students will evaluate algebraic expressions, solve and graph linear equations, solve problems involving exponents, work with quadratic equations, simplify and factor polynomials, and explore data analysis and probability. Honors students will be expected to apply these concepts in the context of real-world situations.

Geometry

Grades: 10 – 11

Credit: 1

Prerequisite: Algebra 1

In this course, students will learn about points, lines, and planes. They will learn about shapes and gain an understanding of how geometry affects the world around us. Topics will include: segments and the coordinate plane, angles, parallel lines, triangles, proofs, and the Pythagorean Theorem.

Geometry Honors

Grades: 10 – 11

Credit: 1

Prerequisite: “A” in Algebra 1 or “B” or higher in Algebra 1 Honors

Students will explore the measures of lines, segments, angles and 2-D figures. They will learn about similarity, triangles, trigonometric ratios, transformations, and area and volume of various 2-D and 3-D

objects. Honors students will be expected to combine multiple concepts and use them to solve problems in the context of real-world situations.

Intermediate Algebra

Grades: 11-12

Credit: 1

Prerequisite: Algebra 1 and Geometry

This course reinforces existing algebra and geometry skills and explores concepts students will need to master in order to further their study of mathematics. **This course does not meet Board of Regents requirements for math.**

Algebra 2

Grades: 11-12

Credit: 1

Prerequisite: Algebra 1 and Geometry

Starting with the review of basic algebra, students will learn polynomials, quadratic equations, exponential and logarithmic relations, probability and statistics.

Algebra 2 Honors

Grades: 11-12

Credit: 1

Prerequisite: "A" in Geometry or "B" or higher in Geometry Honors

Starting with the review of basic algebra, students will learn polynomials, quadratic equations, exponential and logarithmic relations, and probability and statistics.

Pre-Calculus

Grades: 11-12

Credit: 1

Prerequisite: "B" or above in Algebra 1, Geometry, and Algebra 2

This course includes analytical geometry and trigonometry. Students, as mathematical analysts, will investigate how advanced mathematics concepts can solve real-world problems.

Consumer Math

Grades: 11-12

Credit: 1

Prerequisite: Algebra 1 and Geometry

Students will learn about the money, discretionary spending, the importance of savings, and the dangers of debt. Each unit includes financial calculations that require students to complete multiple step problems similar to real life financial situations. By the end of this course, the student will have calculated different taxes, created a budget, and discussed ways to increase income and decrease expenses. **This course does not meet the Board of Regents requirements for math.**

Career Math

Grades: 11-12

Credit: 1

Prerequisite: Algebra 1

This course will allow students to identify and acquire the math skills needed for a career of their choice. Students will communicate with professionals in their area of interest, gather data on specific skills that are

utilized in that area, and collaborate with their instructor to develop a personal plan to build these skills.

This course does not meet Board of Regents requirements.

Science

Physical Science

Grade: 9

Credit: 1

This course is designed as an interactive, 21st century course focusing on basic physics and chemistry. Topics include forces and motion, energy through waves, electricity and magnetism, the matter around us, chemical bonding and reactions.

Physical Science Honors

Grade: 9

Credit: 1

This course is designed as an interactive introduction to basic physics and chemistry. Topics include forces and motion, energy through waves, electricity and magnetism, the matter around us, chemical bonding and reactions. This course is designed to serve as a foundation for the study of the physical sciences. Students use scientific inquiry and higher-order problem solving as they explore these topics through interactive simulations and both virtual and hands-on experiences. In addition, technology, engineering and mathematics (STEM) concepts are integrated throughout the course. Collaborative projects and real-world assessments aid the student in ultimately demonstrating an understanding of the importance of the physical and chemical properties of the world around them.

Biology

Grade: 10-12

Credit: 1

The program covers ecology, cell biology, genetics, the history of biological diversity, the diversity of life, and the human body, as well as cross-curricular earth science topics. Through inquiry-based and hands-on investigations of real-world phenomenon, students will construct explanations for scientific phenomenon and design solutions for real-world problems.

Biology Honors

Grade: 10-12

Credit: 1

Prerequisite: "A" in previous science course

Honors Biology will cover the four "big ideas" in biology with an emphasis on analytical reading and writing, strategic use of mathematics, and attention to modeling. These ideas correspond with the course units: Ecological Systems, Cellular Systems, Genetics, and Evolution. This course is geared for students contemplating biology-related collegiate courses and careers.

Chemistry

Grade: 11-12

Credit: 1

Prerequisite: Biology and must have completed or be enrolled in Algebra 2

This course is designed as an interactive, 21st century course focusing on Chemistry. Topics include the atom, compounds, reactions, phase and solution, thermochemistry and rate, and equilibrium and redox.

Chemistry Honors

Grade: 11-12

Credit: 1

Prerequisite: "A" in Biology or "B" or higher in Biology Honors and must have completed or be enrolled in Algebra 2

Honors Chemistry will cover the "big ideas" in chemistry with an emphasis on analytical reading and writing, strategic use of mathematics, and attention to modeling. These ideas correspond with the course units: Structure and Properties of Matter, Chemical Bonding Interactions, Chemical Quantities, and Chemical Transformations. This course is geared for students contemplating chemistry-related collegiate courses and careers.

Physics

Grade: 11-12

Credit: 1

Prerequisite: Chemistry and Algebra 2

In each "Physics World" module, you'll discover the contributions of geniuses like Galileo, Newton and Einstein. In their work, you'll learn the concepts, theories and laws that govern the interaction of matter, energy and forces. From tiny atoms to galaxies with millions of stars, the universal laws of physics are there for you to observe and apply. Using laboratory activities, videos, software, and websites, you'll follow in the footsteps of some of the world's greatest thinkers.

Environmental Science

Grade: 11-12

Credit: ½

Fall Semester Only

This course presents relationships between organisms and how these relationships relate to the functioning of ecosystems. Students learn the key concepts and processes of nutrient cycling, biomes, pollution, energy resources, and habitat destruction. The course also covers ways to promote biodiversity and create a sustainable future. **This course is required for juniors not taking chemistry. This course does not meet NCAA requirements.**

Astronomy

Grade: 11-12

Credit: ½

Spring Semester Only

This course will introduce students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the solar system, the Milky Way and other galaxies, and the sun and stars. Using online tools, students will examine the life cycle of stars, the properties of planets, and the exploration of space. **This course is required for juniors not taking chemistry.**

Anatomy and Physiology

Grade: 11-12

Credit: 1

Prerequisite: "B" or above in Biology

In this course, the student will learn about anatomical structures and physiology of the human body. Body systems are discussed in terms of how each participates in homeostasis of the body. Students learn about selected major pathologies, including causes, symptoms, and diagnostic procedures, as well as common changes that occur through the lifespan.

Social Studies

World Geography

Grade: 9

Credit: ½

This course addresses key concepts of physical and human geography. The course presents information about the United States, Canada, Latin America, Central Europe, Northern Eurasia, Central and Southwest Asia, Africa, South Asia, East Asia, the Pacific world, Antarctica, and Western Europe.

World Geography Honors

Grade: 9

Credit: ½

Prerequisite: “A” in previous social studies course and teacher recommendation

The Honors Geography course is designed to offer an advanced Social Studies experience that addresses key concepts of physical and human geography. The course presents information on the same countries as the World Geography course, but provides enrichment in those key concepts.

Modern World History

Grade: 10

Credit: ½

Students will learn about advancements in science and thought during the Age of Enlightenment and the social and political revolutions that followed as a result. Students will learn about transformation from agricultural to industrial world and the many changes that resulted from that shift. Students will then learn about the interconnectedness of nationalism and colonialism and the two massive world wars were the end result. As students approach the finish line, they will learn about development in our modern world and the implications that historical events have on us today.

American History

Grade: 11

Credit: 1

The United States began as an experiment in freedom and democracy. Since its establishment, the country and its people have endured social, political and economic revolutions. In this course, students will investigate the people, events and ideas that have shaped the United States from the end of the Civil War through today. Students are asked to analyze and evaluate decisions made by political, business and military leaders. Emphasis is placed on connections between events of the past and present. This course also gives students the opportunity to conduct research and apply their learning to current, real-world problems.

American History Honors

Grade: 11

Credit: 1

Prerequisite: “A” in previous social studies course or “B” or higher in World History Honors

The United States began as an experiment in freedom and democracy. Since its establishment, the country and its people have endured social, political and economic revolutions. In this course, students will investigate the people, events and ideas that have shaped the United States from the end of the Civil War through today. Students are asked to analyze and evaluate decisions made by political, business and military leaders. Emphasis is placed on connections between events of the past and present. This course also gives students the opportunity to conduct research and apply their learning to current, real-world problems. The

honors class will complete additional in-depth assignments.

US Government

Grade: 12

Credit: ½

In this course, students learn about the structure of government and how it shares power at the local, state and federal levels. This course also explores founding principles that inspired the Constitution and Bill of Rights, preserving the freedoms that students experience daily. Students will examine the processes of each branch of government, the election process, and how citizens can impact public policy. Students will examine the U.S. Court system, and become a part of the process by participating in the judicial decision-making process. They will also discover ways the United States interacts with countries around the world, through domestic policy, foreign policy and human rights policy.

Physical Education/Health

Health

Grades: 9-12

Credit: ½

Imagine the healthiest people you know ... what's their secret? While some health traits are genetically determined, the truth is we all have the ability to make positive changes in our physical lives. In this class you will learn how to promote better health by decreasing stress and finding a fuller vision of your life. Explore different lifestyle choices that can influence your overall health — from positively interacting with others, to choosing quality health care, to making sensible dietary choices. You will have the opportunity to build your own plan for improvement and learn how to create the type of environment that will ensure your overall health, happiness, and well-being. **This course meets the health graduation requirement.**

Personal Fitness

Grades: 9-12

Credit: ½

In this Personal Fitness course, students are required to participate in weekly cardiovascular, flexibility and strength and endurance activities. Students who are unable to participate in such physical exercises will be unable to complete the requirements of this course. **This course meets the Physical Education graduation requirement.**

Independent PE

Grades: 9-12

Credit: ½ (Pass/Fail) (May be repeated for credit.) Students participating in this class must be a part of an extracurricular activity that is physically demanding. The counselor/principal will grant permission for students to take this class. Failure to participate in 50 hours of physical activity will result in a failing grade. Logs are due to the teacher on a monthly basis. Either the activity sponsor or the student's parent must verify all activities. **This course does not replace the required PE credit.**

Fine Arts

Independent Fine Arts

Grade: 9-12

Credit: ½ (Pass/Fail) (May only be taken two semesters for credit)

Students participating in this class must be a part of a community art class or local fine arts group such as community theater, band or choir. Students are required to participate in 50 hours of fine arts activities during the semester to receive a passing grade. The student may use practice hours as some of the 50 required hours, but not all of them. Students must provide the name and contact information for the supervisor of the service, and this must be approved by the teacher. Failure to participate in 50 hours of fine arts activities will result in a failing grade. Activity logs are due at the end of each month. The activity sponsor must verify all activities, and parents must verify practice hours.

Digital Photography

Grades: 9-12

Credit: ½

Semester 1

Students will learn basic concepts and practice of digital photography, including understanding and use of the camera, lenses, and other basic photographic equipment. It will also address aesthetic principles as they relate to composition, space, exposure, light and color. Students will complete a variety of photo shoots to learn the concepts and principles of photography. Students will need to have access to a camera. Preferably a DSLR and not just a phone.

Digital Photography Advanced

Grades: 9-12

Credit: ½

Prerequisite: Digital Photography

In this course, we will learn advanced concepts and practices of digital photography. We will examine various aspects of professional photography, including the ethics of the profession, and explore specialized areas of professional photography, such as wedding photography and product photography. Other topics may include professional photographers in history, how to critique photographs, and unique photography techniques. Students will complete a variety of photography projects to learn the concepts and principles of photography. Students will need to have access to a DSLR camera.

Music Appreciation

Grades: 9-12

Credit: ½

Music is part of everyday lives and reflects the spirit of our human condition. To know and understand music, we distinguish and identify cultures on local and global levels. This course will provide students with an aesthetic and historical perspective of music, covering a variety of styles and developments from the Middle Ages through the 21st Century. Students will acquire basic knowledge and listening skills, making future music experiences more informed and satisfying.

Theater, Film, and Cinema

Grades: 9-12

Credit: ½

Lights! Camera! Action! This course will introduce students to the basics of film and theater productions. Students will learn about the basics of lighting, sound, wardrobe, and camera-work for both film and theater

settings. The course also explores the history of film and theater and the influence that they have had on society. Students will analyze and critique three influential American films: *Casablanca*, *Singin' in the Rain*, and *The Wizard of Oz*.

Drawing

Grades: 9-12

Credit: ½

Fall Semester

NOTE: There will be specific supplies to purchase

In this introductory drawing course, students will learn about basic techniques and exercises to develop their observational and creative drawing skills. Students will learn drawing techniques creating value, texture, form, perspective, proportions, and improving composition. Students will experiment with graphite, colored pencils, ink, pastels and charcoal and produce finished drawings. Master and influential artists will be studied as well as the diverse ways drawing is used and incorporated in art.

Advanced Drawing

Grades: 9-12

Credit: ½

Prerequisite: C or better in Drawing

Spring Semester

NOTE: There will be specific supplies to purchase

This course explores drawing at an advanced skill level. Projects will be more in depth and diverse with further exploration of drawing mediums. Students will use a sketchbook and will work through a planning process using the elements of art and principles of design with detailed finished projects as the goal. A portfolio of the student's best work will be collected and presented digitally at the end of the semester, along with detailed artist statements and critiques.

Intro to Painting

Grades: 9-12

Credit: ½

Spring Semester

NOTE: There will be specific supplies to purchase

"Painting is easy when you don't know how, but very difficult when you do"-Edgar Degas. A blank piece of canvas or paper and exploring unfamiliar mediums can be very intimidating. Intro to Painting is an introduction to acrylic, watercolor, and pastels. Students will learn the essentials of color mixing, composition, manipulating and experimenting with the different mediums, plus the introduction of the techniques, surfaces, and tools required to apply them. Students will become familiar with some of the influential Master Artists, Art Movements, and the elements and principles of design.

Introduction to Art

Grades: 9-12

Credit: ½

Fall or Spring Semester

There are seven basic elements of art: line, shape, form, space, texture, value, and color. When these elements are combined with the principles of design, students will gain a better understanding of how art is created. Students will explore these elements through a variety of creative exercises and projects. Students will also be introduced to various artists, discovering their contributions and styles to the vast art world. Students learn that art is not just drawing and sketching but many two-dimensional styles of art.

Independent Studio Art

Grade: 9-12

Credit: ½

Prerequisite: Counselor/teacher approval

Spring Semester

NOTE: There will be specific supplies to purchase

This class is for motivated and passionate students. These are students who display a high level of creative ability and who have the initiative to grow artistically. Independent Studio Art students are capable of working independently in their preferred media. The cost will be determined by the size and type of medium student chooses for their artwork. Weekly check-in sessions with teacher is part of class. **There is a fee for this class.**

Sculpture

Grades: 9-12

Credit: ½

Fall Semester

Students will work with various materials to create three-dimensional projects which explore three dimensional form and construction. Sculpture is a fun and exciting blend of experimentation, constructing and problem solving. Types of media could include cardboard, plaster, paper-mâché, wire, air dry clay using additive and subtractive processes such as carving and hand building. Historical 3-D artists who work in various mediums will be explored as the class progresses. Problem-solving, construction and material properties will be stressed. There are specific materials needed for this class and possible fees.

Computer Studies

Coding

Grades: 9-12

Credit: ½

Spring Semester

Students will have a basic introduction to the principles of programming, including algorithms and logic. Students engage in hands-on programming tasks in a variety of programming languages and block coding as they write and test their own code using the approaches real programmers use in the field.

Computer Applications

Grades: 9-12

Credit: ½

The course will help prepare students to use basic functions in word processing, spreadsheets, database creation and management, multimedia and collaboration software. The successful completion of this course will introduce students to the most common business applications used today.

Computer Science

Grades: 9-12

Credit: ½

Fall Semester

During this course, students will be exposed to two separate units. The first unit will be App Creators. In this unit, students will create Android apps that can be used on their phones, tablets and other Android devices. Using the MIT App Inventor and block programming, apps will be written as you see them in live action on the tablet. The second unit will be Computer Science for Innovators and Makers. Throughout the unit,

students will learn about programming for the physical world by blending hardware design and software development, allowing students to discover computer science concepts and skills by creating personally relevant, tangible, and shareable projects. **This course does have mandatory “in-house” days at eCademy (likely 2-3 times a semester). There may be a supply fee for this course.**

Cyber Security and Responsibility

Grades: 9-12

Credit: ½

Fall Semester

This course introduces the concepts and understanding of the field of computer security and how it relates to other areas of information technology. Topics include security threats, hardening systems, securing networks, cryptography and organizational security policies.

Design and Modeling

Grades: 9-12

Credit: ½

Spring Semester

Students will learn about the design process. They will learn to draw both 2D (orthographic) and 3D (Isometric) drawings of their objects, and puzzles. In this course, each student will create two types of block puzzles and work with Design Studio Pro to create their own innovative creation. Also during the semester, students will create 3D models on the computer through a CAD (computer aided drawing) application and print 3D objects. **This course does have mandatory “in-house” days at eCademy (likely 2-3 times a semester).**

Foreign Language

Spanish 1

Grades: 9-12

Credit: 1

¡Bienvenidos! Welcome! Students are taking a virtual trip to Spain, Cuba, Colombia, and Argentina. As students explore each country, a student blogger is there to help them learn about the place and its unique characteristics. As students travel to each country, they learn how to speak Spanish in many practical and useful ways. Students learn how to greet people, introduce themselves, and speak about their home, family, school, and community. As students learn basic vocabulary and grammar skills, they expand on their knowledge and learn to speak about more complex topics such as shopping, weather, sports, entertainment, and leisure activities.

Spanish 2

Grades: 10-12

Credit: 1

Prerequisite: Spanish 1

¡Bienvenidos! Welcome! Students are taking a virtual trip to Spain, Cuba, Colombia, and Argentina. As students travel to each country, they learn how to speak Spanish in many practical and useful ways. Students learn how to greet people, introduce themselves, and speak about their home, family, school, and community. As students, they learn basic vocabulary and grammar skills, including the past tense and imperfect endings, as well as future tense verbs. They expand on their knowledge and learn to speak about more complex topics such as shopping, weather, sports, entertainment, and leisure activities.

Spanish 3

Grades: 11-12

Credit: 1

Prerequisite: Spanish 2

The purpose of this course is to provide many experiences where students can use Spanish. Completely immersed in Spanish, students speak, listen, read, write, and collaborate with other students in Spanish this course. All grammar tenses are used, past, present, future verb conjugations, as well as extensive use of the subjunctive. They also gain knowledge and perspectives about Spanish-speaking countries and from Spanish-speaking people.

Spanish 4

Grades: 11-12

Credit: 1

Prerequisite: Spanish 3

In this course, students develop a strong command of the Spanish language, with proficiency in integrating language skills and synthesizing written and aural materials, the formal writing process, extensive interpersonal and presentation speaking and writing practice, and aural comprehension skills through quality, authentic audio and video recordings.

Sign Language 1

Grades: 9-12

Credit: 1

This course will jumpstart your American Sign Language journey by learning the basics of this visual language and exploring the Deaf Culture. Get ready to broaden your concept of communication through connections and comparisons to your own culture and community. In this course you will be expected to engage in video discussions, recordings, and/or live lessons in addition to written work and practice.

Sign Language 2

Grade: 9-12

Credit: 1

Prerequisite: Sign Language 1 and a B or Higher in Sign Language

This course will reinforce the fundamental skills acquired in your American Sign Language 1 course. You will continue your journey by increasing your interpretive and communication skills of this visual language while continuing to explore the Deaf Culture. Get ready to broaden your concept of communication through connections and comparisons to your own culture and community. **Student video submissions are required.**

Electives

ACT Prep

Grade: 11-12

Credit: ½ (Pass/Fail)

This course will assist students in preparing for the ACT. Students will learn about registering for the exam, preparing for test day, test-taking strategies for each of the four sections, take pretests over each of the four sections to determine areas of weakness, and work to improve in the areas that they identify as weaknesses.

Ancient World History

Grade: 10-12

Credit: ½

Fall Semester

Students will learn how the Roman Empire developed in two very distinct directions, discover the great intellectual and cultural contributions of Islamic Empires, and journey through the Middle Ages of Europe and Japan to learn how knights and samurais lived. You will also investigate the rise and fall of some of the great kingdoms of the Americas and Africa and then travel back to Europe in the Renaissance and Reformation era. Hang on tight before you dive into the Age of Discovery when eastern and western hemispheric encounters created some turbulent times. **This course is a social studies elective.**

Archaeology

Grades: 10-12

Credit: ½

Spring Semester only

George Santayana once said, “Those who cannot remember the past are condemned to repeat it.” The field of archaeology helps us to better understand the events and societies of the past that have helped to shape our modern world. This course focuses on the techniques, methods, and theories that guide the study of the past. Students will learn how archaeological research is conducted and interpreted, as well as how artifacts are located and preserved. Finally, students will learn about the relationship of material items to culture and what we can learn about past societies from these items.

Biotechnology

Grades: 10-12

Credit: ½

Fall Semester only

How is technology changing the way we live? Is it possible nature can provide all the answers to some of science’s most pressing concerns? The fusion of biology and technology creates an amazing process and offers humanity a chance to significantly improve our existence through the enhancement of food and medicine. In *Biotechnology: Unlocking Nature’s Secrets*, you’ll learn how this field seeks to cure such deadly diseases as cancer and malaria, develop innovative medicine, and effectively feed the world through improved systems. Learn about the history of biotechnology and some of the challenges it faces today, such as resistant bacteria and genetically-modified organisms in food. You will research new biotechnologies and understand firsthand how they are forever changing the world we live in.

Careers in Criminal Justice

Grades: 10-12

Credit: ½

Spring Semester only

Most of us have watched a sensationalized crime show at one time or another, but do we really know how things work behind those dreaded prison bars? Do we really understand all the many factors in our justice proceedings? The criminal justice system is a very complex field that requires many seriously dedicated people who are willing to pursue equal justice for all. This course illuminates what those different career choices are and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order. Find out more about what really happens when the television show ends and reality begins.

Civics

Grades: 9-12

Credit: ½

Spring Semester only

Have the recent elections piqued your interest in politics and our government? In Civics, students will learn the impact of politics on national and world issues, examine the roles the government plays and dig into the rights and responsibilities of citizens in society. Students can also expect to break down the Constitution, identify the purpose of a census, engage in learning Civil Rights, study current events throughout the year and explore so much more!

Classical Mythology

Grades: 9 -12

Credit: ½

Spring Only

Beginning with an overview of mythology and different kinds of folklore, students will journey with ancient heroes as they slay dragons and outwit gods, follow fearless warrior women into battle, and watch as clever monsters outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore, and see how these are still used to shape society today. **This course does not replace a traditional English class.**

Community Service

Grade: 9-12

Credit: ½ (Pass/Fail) (May be repeated for credit)

Students are required to participate in 50 hours of community service activities during the semester to receive a passing grade. Students interested in this program will need to make arrangements to work as a volunteer on a regular basis in the community. This could include work at a healthcare center, senior center, fire station, chamber of commerce, city hall, goodwill, a library, or any other community entity that a student wishes to serve. This service may not be done in the student's home. Students must provide the name and contact information for the supervisor of the service, and this must be approved by the teacher. Failure to participate in 50 hours of community service activities will result in a failing grade. Activity logs will be given to students at the beginning of the semester. Logs are due on a monthly basis.

Cover to Cover

Grades: 9—12

Credit: ½

Love to read?? Wish you could have more choice in the books you read for school? This class is your chance to explore a wide variety of genres. You will be required to read four books over the course of the semester. While reading these you will complete projects based on areas that interest you and ideas you would like to explore in more detail. Don't worry, you will not be completing standard book reports for this class. This is a class for those who love to read and interact with the text. **This course does not replace a traditional English class.**

Creative Writing

Grades: 9 -12

Credit: ½

Fall semester

This course provides students with a solid grounding in the writing process, from finding inspiration to building a basic story to using complicated literary techniques and creating strange hybrid forms of poetic

prose and prose poetry. By the end of this course, students will learn how to discover their creative thoughts and turn those ideas into fully realized pieces of creative writing. **This course does not replace a traditional English class.**

Criminology

Grades: 10-12

Credit: ½

Fall Semester only

In this course, we will explore the field of criminology or the study of crime. In doing so, we will look at possible explanations for crime from psychological, biological, and sociological standpoints, explore the various types of crime and their consequences for society, and investigate how crime and criminals are handled by the criminal justice system.

Culinary Arts 2

Grades: 9-12

Credit: ½

Spring Semester only

Prerequisite: Intro to Culinary Arts

NOTE: The student must provide from-scratch recipes, ingredients, cooking utensils and kitchen. The projects are required to receive credit for the course.

In this course, you will learn about food culture, food history, and current food trends. You'll also learn about the food service industry and try your hand at preparing some culinary delights. This course gives you the opportunity to explore careers in the Culinary Arts.

Current Events

Grades: 9-12

Credit: ½

Fall Semester only

Using all up-to-date events, this class will focus on issues that affect students' lives. This course will use newspapers, online media, and newscasts in different formats to explore media bias, demographics, conflict and the real world issues that occur on a daily basis. Students can expect to keep up to date with major events happening nationally and worldwide, and will work with primary sources and opinion pieces to evaluate the world around us.

Digital Marketing

Grades: 9-12

Credit: ½

Explore the dynamic world of digital marketing strategies, including social media, content creation, SEO, and analytics. Develop practical skills to navigate the digital landscape and understand how businesses leverage online platforms to reach their target audiences. Hands-on projects and real-world applications will enhance your ability to create effective digital marketing campaigns. Gain insight into the evolving industry and prepare for future opportunities in the digital marketing space.

eLink

Grades: 9-12

Credit: ½ (Pass/Fail)

Are you looking for a way to make a difference in your school, community, and for those around you? eLink is the class for you! This is a blended learning class for student-leaders. As an eLink member, you will

develop relationships with our middle and elementary students by participating in Club Days and In-House, partner with the community to work on projects, raise awareness for various charities, plan socials, and build leadership skills. This class uses real-world applications to encourage collaboration, critical thinking, and problem-solving. **This class does require in-house time to work with peers.**

Financial Literacy

Grades: 10-12

Credit: ½

Semester

Students will use Khan Personal Finance to learn about different money choices. Topics covered will include saving, budgeting, banking, interest, debt, investments, income, housing, auto, taxes, paying for college and keeping your information safe.

Forensic Science

Grades: 11-12

Credit: ½

Prerequisite: Biology

Fall Semester only

This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various elements of the crime scene are analyzed and processed. **This course does not meet Board of Regents requirements for science.**

Forensic Science 2

Grades: 11-12

Credit: ½

Prerequisite: Forensic Science and Biology

Spring Semester only

This course focuses on the analysis of evidence and testing that takes place within this setting. We will examine some of the basic scientific principles and knowledge that guides forensic laboratory processes, such as those testing DNA, toxicology, and material analysis. Techniques such as microscopy, chromatography, odontology, entomology, mineralogy, and spectroscopy will be examined. **This course does not meet Board of Regents requirements for science.**

Great Minds in Science

Grades: 9-12

Credit: ½

Spring Semester only

Is there life on other planets? What extremes can the human body endure? Can we solve the problem of global warming? This course focuses on 10 of today's greatest scientific minds. Each unit takes an in-depth look at one of these individuals, and shows how their ideas may help to shape tomorrow's world. **This course does not meet Board of Regents requirements for science.**

Health Science

Grades: 11-12

Credit: ½

Fall Semester

In this course, students will be introduced to the various disciplines within the health sciences, including

toxicology, clinical medicine, and biotechnology. They will explore the importance of diagnostics and research in the identification and treatment of diseases. The course presents information and terminology for the health sciences and examines the contributions of different health science areas.

Health Science Nursing

Grades: 9-12

Credit: ½

Prerequisite: C or better in Anatomy and Physiology

Spring Semester only

The demand for nurses has never been higher! Learn what it takes to become a nurse, pursue a career, and understand the practice of nursing and the healthcare system. With a strong focus on patient care, you'll explore safety, communication and ethics, relationship building, and how to develop wellness strategies for your patients. From emergency to rehabilitative care, to advances and challenges in the healthcare industry, discover how you can launch a fulfilling career providing care to others.

High School Study Skills

Grades: 9-12

Credit: ½ (pass/fail)

Students will be provided extra support to succeed with the virtual learning environment by attending a required weekly virtual meeting with their teacher to set goals and recap on the previous week. Students will be required to keep a log of their activity to see how new study skills impact the overall performance of a student. By the end of the course, students should have the skills to continue setting a schedule, setting goals, and achieving success in the virtual environment.

History of the Holocaust

Grades: 11-12

Credit: ½

Prerequisite: Modern World History

Fall Semester only

In this course, students will study the history of anti-Semitism; the rise of the Nazi party; and the Holocaust, from its beginnings through liberation and the aftermath of the tragedy. Through this in-depth, semester-long study of the Holocaust, high school students will gain an understanding of the ramifications of prejudice and indifference, the potential for government-supported terror, and they will get glimpses of kindness and humanity in the worst of times.

Introduction to Business

Grades: 10—12

Credit: ½

Fall Semester

This course introduces students to the basic business concepts that will help them understand how a business survives in today's economy and the role that consumers play in the same economy. Students will learn how to balance a checkbook, save for the future, and use credit wisely. Students will also learn how to create a resume and how to participate in a job interview.

Introduction to Culinary Arts

Grades: 9-12

Credit: ½

Fall Semester only

NOTE: The student must provide from-scratch recipes, ingredients, cooking utensils and kitchen. The projects are required to receive credit for the course.

In this course, you will learn all about food safety and current food trends. You'll also learn about the foodservice industry and try your hand at preparing some culinary delights. Through hands-on activities, this course will help you improve your cooking skills.

Introduction to the Teaching Profession

Grades: 11-12

Credit: ½

Have you ever watched one of your teachers and thought, "I'd like to do that!" If so, this is the course for you! This course is designed to explore what it takes to be a teacher, whether you work in a classroom, a hospital, or a corporate setting. You'll learn about the history, purposes, issues, ethics, laws and regulations, roles, and qualifications of teaching. You will begin to develop a working portfolio to be assembled and used throughout the program.

Law Studies

Grade: 12

Credit: ½

Thinking about a career in law? This high-level course introduces the basics of U.S. law, civil and criminal law, consumer and family law, as well as special topics within law. Students will be expected to complete a lot of writing within the course, but it prepares students for the expectations of a college-level course.

Medical Terminology 1

Grades: 9-12

Credit: ½

Fall Semester only

Learning the language is essential for careers in health science. Join word parts to form medical terms, associations within body systems, and better communicate with colleagues and patients. Build your proficiency and confidence with this course and prepare yourself for a career in health sciences.

Medical Terminology 2

Grades: 9-12

Credit: ½

Spring Semester only

Learning the language is essential for careers in health science. Join word parts to form medical terms, associations within body systems, and better communicate with colleagues and patients. Build your proficiency and confidence with this course and prepare yourself for a career in health sciences.

National Security

Grades: 11-12

Credit: ½

Fall Semester only

Do you know what it takes to keep an entire nation safe? It not only requires knowledge of how to handle

disasters, but it also demands a cool head and tremendous leadership abilities. In this course, you will have the opportunity to learn about the critical elements of the job, such as evaluating satellite information, analyzing training procedures, assessing military engagement, preparing intelligence reports, coordinating information with other security agencies, and applying appropriate actions to various threats. Put yourself in the position of the country's decisive leaders and develop your own knowledge base and skill set necessary to meet the requirements of our nation's most demanding career.

Personal Psychology I

Grades: 11-12

Credit: ½

Fall Semester only

Self-knowledge is the key to self-improvement! Psychology is a subject that can be applied to everyday life. New research and ideas will change the way we view ourselves and each other. This course offers exciting online psychology experiments about our own behavior and how we behave with other people.

Personal Psychology 2

Grades: 11-12

Credit: ½

Spring Semester only

Enrich the quality of your life by learning to understand the actions of others. Topics include the study of memory, intelligence, emotion, health, stress, and personality. This course offers exciting online experiments about the world around us.

Real World Parenting

Grades: 9-12

Credit: ½

Fall Semester only

Parenting involves more than having a child and providing food and shelter. Learn what to prepare for, what to expect, and what vital steps parents can take to create the best environment for their children. Parenting roles and responsibilities, nurturing and protective environments for children, positive parenting strategies and effective communication in parent/child relationships are some of the topics covered in this course.

Sociology 1

Grades: 11-12

Credit: ½

Fall Semester only

Students will examine social problems in our increasingly connected world, and learn how human relationships can strongly influence and impact their lives. Exciting online video journeys to an array of areas in the sociological world are an important component of this relevant and engaging course.

Sociology 2

Grades: 11-12

Credit: ½

Prerequisite: Sociology 1

Spring Semester only

By developing a "sociological imagination" students will be able to examine how society itself shapes human action and beliefs...and how in turn these factors re-shape society itself! Fascinating online video journeys will not only inform students, but motivate them to still seek more knowledge on their own.

Sports Marketing

Grades: 9-12

Credit: ½

Spring Semester

This course will allow students to learn the basic concepts of marketing before digging into the world of marketing through a sports perspective. Students can expect to explore every aspect of marketing as it pertains to events, products, sponsorships and careers in the field, all while applying these ideas to current issues faced in sports today.

Veterinary Science

Grades: 11-12

Credit: ½

Prerequisite: Biology

Spring Semester only

Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course will examine some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times...we humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied.

World Religions

Grades: 11-12

Credit: ½

Spring Semester only

This course focuses on the major religions that have played a role in human history, including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taosim. Students will trace the major developments in these religions and explore their relationships with social institutions and culture. The course will also discuss some of the similarities and differences among the major religions and examine the connections and influences they have.

Workplace Experience

Grades: 11—12

Credit: ½

This course provides students with work experience to help prepare for their future career choice. It is the student's responsibility to secure a position and remain employed throughout the entirety of this course. Students may work specifically in his/her chosen field, in an entry-level position that leads to the chosen career, or in a field that is closely related to his/her future career choice. Students will be required to submit an hourly work log or pay stub each week. Additional documentation will include monthly supervisor surveys and reflection journals, in addition to workplace observations by an eCademy instructor. Application and work experience placement must be approved by a counselor.