

CHRISTA MCAULIFFE ACADEMY



SCHOOL OF ARTS AND SCIENCES

TOUCH THE FUTURE >>>



HIGH SCHOOL COURSE CATALOG

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CMASAS serves students worldwide through a unique personalized approach to education.

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Making Online Learning Work for You

Education's purpose is to empower students to find their own paths to their own dreams; to create life-long learners who are prepared for both the modern world and the future; and to empower individuals to make a positive impact in the world.

Our personalized education program is student-centered and requires, student, parent, teacher, and Personalized Education Coach (PEC) to work together to set goals and keep the whole student in mind.

Students and parents are encouraged to make schedules and "to do" lists. Post these lists somewhere, where the student can see them and check things off. For younger students consider a sticker chart.

While we encourage students to view the world as their classroom, keep in mind that a structured study space and time will be needed in order to complete parts of the program. We recommend tailoring this to the needs of your student. Here are some tips:

- A large table or desk where learning on the computer and tinkering can take place
- Headphones with a built-in microphone
- A tool to help you and your student track time
- A posted schedule for the day's activities

Online learning in a self-paced, personalized environment is fulfilling and exciting. Remember that you have help in your PEC, who also is your student's Course Instructor. Work as a team to set goals and create schedules to help your student see what they need to accomplish.

Academic Integrity Policy

CMASAS will not tolerate cheating, plagiarism, or facilitating academic dishonesty and serious consequences will result from such behaviors including receiving an “F” for the assignment in question or for the course. Repeated violations may result in expulsion from the school.

PHILOSOPHY

Academic integrity is founded upon and encompasses the following five values: honesty, trust, fairness, respect, and responsibility. Supporting and affirming these values is essential to promoting and maintaining a high level of academic integrity. Each member of the academic community must stand accountable for his or her actions. As a result, a community develops in which students learn the responsibilities of citizenship and how to contribute honorably to their professions.

If knowledge is to be gained and properly evaluated, it must be pursued under conditions free from dishonesty. Deceit and misrepresentations are incompatible with the fundamental activity of this academic institution and shall not be tolerated. Members of the CMASAS community are expected to foster in their own work the spirit of academic honesty and not to tolerate its abuse by others.

First responsibility for academic integrity lies with individual students and faculty members of this community. A violation of academic integrity is an act harmful to all other students, faculty and, ultimately, the school.

Students are expected to practice responsible and honest behavior. Acts of academic dishonesty will not be tolerated at CMASAS and are listed below:

- Cheating on tests, homework, or grading of assignments
- Fabrication (any intentional falsification or invention of date, citation, or other authority in an academic exercise)
- Unauthorized collaboration
- Plagiarism (stealing and passing off as one’s own the words or ideas of another)
- Theft or alteration of materials

Violation of this policy will result in:

First Offense: The student will be issued a warning in regard to the specific violation that was committed. Student will be allowed to resubmit the assignment with no loss of score due to the offence. However, the offence will be documented for future reference. Student will also need to complete a Plagiarism review course prior to completing any additional work or resubmitting the assignment. At the end of the Plagiarism review course, student will sign an acknowledgement form indicating they understand what plagiarism is and are familiar with the Academic Integrity Policy and agree to abide by the policy.

Second Offense: An official letter is sent home to explain the severity of the offence and to further explain what will occur upon a third offense. Student will be required to redo the assignment where the violation occurred. Parent or Guardian will need to sign off stating they have discussed the issue with their child and agree to the consequences of a third occurrence.

Third Offense: Student will be placed on Academic Probation incurring an added tuition of \$100.00 per month for 3 months and the offense being documented in the student’s permanent academic records.

Forth Offense: Student will have tuition permanently adjusted by \$150/month for the additional oversight of the principle/counselor to monitor and to have all assignments reviewed for plagiarism. All exams will need to be proctored.

Course Offerings: At a Glance

English/Language Arts

American Literature
Art of Argument
British Literature
Cinema as Literature
Creative Writing: Introduction to Fiction
Elements of Grammar
English I A/B
English II A/B
English III A/B
English IV A/B
Exploring Myths & Legends
Expository Composition
Gothic Literature
Journalism, Introduction to
Lord of the Rings
Public Speaking
Responding to Literature
Shakespeare: The Comedies
Shakespeare: The Tragedies
Speech, Introduction to
Survey of Poetry
World Literature

Mathematics

Algebra I A/B
Algebra II A/B
Geometry A/B
Integrated Math I A/B
Integrated Math II A/B
Integrated Math III A/B
Pre-Algebra A/B
Pre-Calculus A/B

Social Studies

African-American History
Anthropology I/II
Archaeology
Classical Philosophy, Introduction to
Criminology
Current World Issues & Politics
Economics
Great Minds in Science
History of the Holocaust
Human Geography
Philosophy, Introduction to
Personal Psychology I/II
Psychology, Introduction to
Social Problems I/II
Sociology I/II
Survey of Religions
U.S. Government
U.S. History A/B
Women's Studies
World History A/B
World Religions

Science

Agriscience I/II
Anatomy & Physiology A/B
Astronomy A/B
Biology A/B
Biotechnology
Chemistry A/B
Earth Space Science A/B
Forensic Science A/B
Marine Science A/B
Physical Science A/B
Physics A/B
Renewable Technologies
Veterinary Science

Health/Physical Education

Adventure & Outdoor Act. A/B
Aerobic Activities A/B
Aquatic Activities A/B
Holistic Health
Individual and Dual Activities A/B
Nutrition & Wellness
PE through Dance A/B
Physical Education I A/B
Physical Education II A/B
Weight Training & Fitness A/B

Visual & Performing Arts

Art in World Culture
Dance A/B
Design, Advanced
Design, Beginning
Design, Intermediate
Digital Photography, Advanced
Digital Photography, Beginning
Digital Photography, Intermediate
Digital Publishing, Beginning
Drawing, Advanced
Drawing, Beginning
Drawing, Intermediate
Music Appreciation
Musical Performance I A/B
Musical Performance II A/B
Painting, Beginning
Painting, Intermediate
Painting, Advanced
Studio Arts A/B
Theater, Cinema, & Film Production
Theatrical Performance A/B

World Languages

American Sign Language I
American Sign Language II
Chinese I
Chinese II
Chinese III
French I
French II
French III
German I
German II
German III
German IV
Greek I
Greek II
Greek III
Italian I
Italian II
Italian III
Italian IV
Japanese I
Japanese II
Japanese III
Latin I
Latin II
Latin III
Russian I
Russian II
Russian III
Spanish I
Spanish II
Spanish III
Spanish IV

Career & Technical Education

ACT Test Prep
Agriculture
Animation
Applied Leadership A/B
Career Planning
Careers in Criminal Justice
Childhood Development
Coding I
Computer Fundamentals
Cosmetology I/II/III/IV
Criminology
Culinary Arts I/II
Cybersecurity I
Digital Video Production
Early Childhood Education
Engineering & Technology
Entrepreneurship
Fashion & Interior Design
Fashion Design A/B
Game Design I
Health Science I/II
Health Science: Nursing
Health Science: Public Health
Hospitality & Tourism
Human & Social Services I
International Business
Legal Studies, Introduction to
Peer Counseling
Personal Finance
Principles of Public Service
Real World Parenting
SAT Test Prep
Social Media, Introduction to
Sports & Entertainment Marketing
Web Design

Honors

See the "Honors" section of the catalog to learn about the Honors program. **Our Honors courses are project-based, and because of that they work best in the project-based context of PEG created courses. As a result, only PEG curriculum is available for Honors designation unless a partner curriculum is the only option available for the course.**

Courses that are eligible for the honors designation will be listed in the Course Offerings section of the catalog.

Advanced Placement (NUVHS)

AP Language and Composition A/B
AP Literature and Composition A/B
AP Calculus A/B/C
AP Statistics A/B
AP Government
AP Human Geography A/B
AP Psychology A/B
AP World History A/B
AP European History A/B
AP Macroeconomics
AP United States History A/B
AP French Language & Culture A/B
AP Spanish Language & Culture A/B

ASU Open Scale Enrollment

ASU Open Scale enrollment courses allow students to take college level courses online for high school credit. Course offerings are determined by our partner Arizona State University. See the "ASU Open Scale Enrollment" section of the catalog to learn about this option.

English/Language Arts

Four credits of English/Language Arts are required for students to graduate from CMASAS. Students have a choice in how they meet these requirements. One option is to take the integrated English I, II, III, and IV sequence. However, another option is to take individual semester courses, piecing together a language arts program that still covers all the recommended competencies in a comprehensive language arts program.

Language Arts Competency Areas	Classes Covering Each Competency Area
Expository Writing	Elements of Grammar Expository Composition Art of Argument
Workplace Writing	Journalism
Literature	World Literature American Literature British Literature Cinema as Literature Shakespeare Survey of Poetry Explorations in Myths & Legends Responding to Literature Cinema as Literature Creative Writing: Introduction to Fiction
Speaking & Listening	Introduction to Speech Public Speaking

Possible Sequence

- Expository Composition
- Responding to Literature
- World Literature
- Art of Argument
- American Literature
- Introduction to Speech
- British Literature



Mirrors the concepts typically covered in the English I, II, III, IV sequence.

Most colleges are looking for evidence that you have read a variety of literature. It is best to include American Literature and two other areas of literature with at least one being from outside the U.S. such as World Literature, British Literature, and Shakespeare. Review your intended college's entrance requirements.

English/Language Arts

American Literature (PEG)

Students read and respond to historically or culturally significant works of American literature that reflect and enhance their studies of history and social science. They conduct in-depth analyses of recurrent patterns and themes, structural features, and narrative literary elements and devices. Students produce writing and projects in response to literature, including biographical/autobiographical, creative, persuasive, literary analysis, technical, and research.

Prerequisites: English I or Responding to Literature. Students who take English III should not take American Literature.

Recommended Grade Level: 11 or higher

Duration: 1 semester

American Literature (H) NCAA

Art of Argument (PEG)

Students learn the art of persuasive writing, backed by careful research, and presented in an effective manner that is free of logical fallacies. They distinguish persuasive writing from other types of compositions and learn how to apply persuasive writing and common textual features. They apply understanding of the effects of audience and purpose on persuasive writing. Students also evaluate persuasive writing and speaking for reputability, logic, and presentation.

Prerequisites: English I or Expository Composition

Recommended Grade Level: 11 or higher

Duration: 1 semester

Art of Argument (H) NCAA



Billions of people have seen and been influenced by movies in the short history of this industry.

British Literature (PEG)

Students read and respond to historically or culturally significant works of British literature that reflect and enhance their studies of history and social science. They conduct in-depth analyses of recurrent patterns and themes, structural features, and narrative literary elements and devices. Students produce writing and projects in response to literature, including biographical/autobiographical, creative, persuasive, literary analysis, technical, and research.

Prerequisites: English I or Responding to Literature. Students who take English IV should not take British Literature.

Recommended Grade Level: 11 or higher

Duration: 1 semester

British Literature (H) NCAA

Cinema as Literature (PEG)

Film and television is an increasingly relevant way to experience storytelling and its lessons in modern culture. Film and television communicate meaning differently than written text, and their realm is a world of rich visual language. This form of storytelling is no less compelling or worthy of analysis than traditional literature. Cinema as Literature will examine the elements of this visual language and how filmmakers use them to translate traditional literary devices. The course will also explore different film genres and how each approaches story and character development.

Prerequisites: English I or Responding to Literature

Recommended Grade Level: 10 or higher

Duration: 1 semester

Cinema as Literature (H)

Creative Writing: Intro to Fiction (PEG)

In this class students apply the writing process to creative fiction writing. Prepare to investigate, evaluate and demonstrate your understanding of key elements of fiction including plot, theme, character development, dialogue, setting, tone, sensory language, and author's purpose. Introduction to Fiction culminates with the development of a story outline that can later be transformed into a full-length story or novel. Note: credit not granted for both Introduction to Fiction and Writing Across Genres.

Prerequisites: None

Recommended Grade Level: 9 or higher

Duration: 1 semester

Creative Writing: Intro to Fiction (H) NCAA

Elements of Grammar (PEG)

Grammar is the system and structure of a language, the governing force. It provides the users of that language with collective rules, patterns, and guidelines through which they communicate with each other. Elements of Grammar will survey the important aspects of English language grammar. The course will begin by examining the smallest units of meaning and build to developing varied and complex sentences.

Prerequisites: None

Recommended Grade Level: 9 or higher

Duration: 1 semester

Elements of Grammar (H)



English I

Join us in English I for a series of journeys. In each unit of the course, we embark on a new journey. Through the study of literature, nonfiction, and life, we will explore the unknown, search for identity and equality, and seek achievement, opportunity, and understanding. You will read to analyze the way language is used to express human motivation and will research to examine the results of actions in the real world. The lessons in each unit will give you the tools you need to gain insights from what you read and to use your knowledge in creative and analytical writing.

Prerequisites: None

Recommended Grade Level: 9 or higher

Duration: 2 semesters

English I A (H) NCAA
English I B (H) NCAA

English II (PEG)

English II uses the hero's journey to explore world literature from ancient to modern times. Students will practice literary analysis and composition and learn about essential grammar and literary elements concepts. Finally, students will learn narrative & persuasive writing concepts.

Prerequisites: English I or Responding to Literature/Expository Literature/Elements of Grammar

Recommended Grade Level: 10 or higher

Duration: 2 semesters

English II A (H) NCAA
English II B (H) NCAA

English III

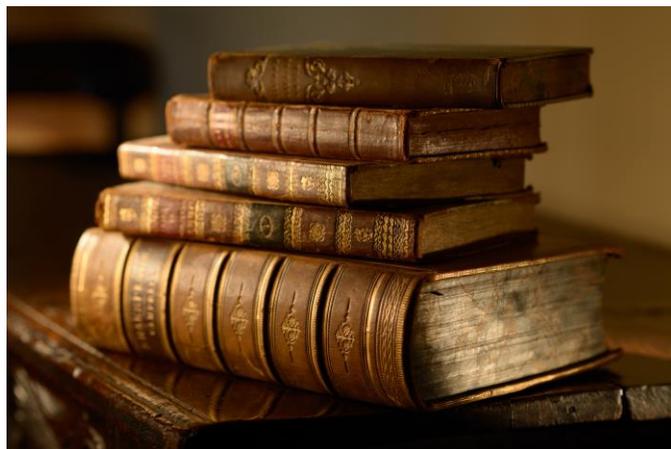
“Extra, extra, read all about it!” It’s all right here in black and white, in the pages of The Virtual Times newspaper. Published at key periods in American history, The Virtual Times takes us right into the action. The writing is clear and concise. The stories and opinions give us perspective. The sports and entertainment sections give us the color and flavor of the times. In English III, the writing and insights of authors throughout our history are collected in the fast-paced pages of The Virtual Times. Students gain an appreciation of American literature and the ways it reflects the times in which it was written. They discover how people thought and lived and wrote about their experiences. Students are also asked to observe, investigate, and report on stories of today. The goal is for students to be thorough, accurate, and compelling in their writing.

Prerequisites: English II or World Literature

Recommended Grade Level: 11 or higher

Duration: 2 semesters

English III A (H)	NCAA
English III B (H)	NCAA



English IV

Come explore the world of big ideas in English IV, where you are able to choose which path you will travel first as you explore highly-engaging, thematic units. Each path will guide you through a series of literary pieces that allow you to analyze the political, social, economic, and cultural messages of its time as well as its relevance to the world you live in today. Each path revolves around a central theme. The works in the course span a period of over 1000 years and have been written by authors who share common ideas, but employ a variety of literary genres to express their views. Whether it is the dramatic ending of a play, or the colorful images in a verse of poetry, the words of these authors will leave you with a new understanding of the world around you. As you travel down each path, you will create authentic work pieces that will engage you in higher-level learning and provide you with a greater understanding of literature and its connection to the world.

Prerequisites: English III or combination of American & World Literature

Recommended Grade Level: 12 or higher

Duration: 2 semesters

English IV A (H)	NCAA
English IV B (H)	NCAA

Exploring Myths & Legends (PEG)

Students review the common mythologies of the world, as well as review more recent versions of these same stories. Exploring myths and legends throughout the world, students learn about the similarities that span time and culture in storytelling. At the end of the course, the students pull together their knowledge of the three areas mentioned above and use that to create their own myth or mythology.

Prerequisites: None

Recommended Grade Level: 9 or higher

Duration: 1 semester

Exploring Myths & Legends (H)	NCAA
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Expository Composition (PEG)

Provides essential skills for future English courses as well as for writing across the curriculum and in the workplace. Patterns of development include division/classification, compare/contrast, and persuasive, along with a selection of other types such as cause & effect, definition, and exemplification. Students learn the basics of expository composition, with a strong emphasis on using the writing process to create well-structured essays. Students write outlines and matching essays with clear thesis statements and topic sentence agreement, and they develop their ideas through relevant details. They also learn basic research and documentation skills, and the persuasive essay includes a bibliography and inline citations. Students also build vocabulary, including through word roots, and learn how word selection can impact writing (i.e. connotation, denotation, and figurative language). Grammar is integrated into the instruction and is based on individual needs as is evidenced in the student's writing.

Prerequisites: None

Recommended Grade Level: 9 or higher

Expository Composition (H)

NCAA

Gothic Literature

From vampires to ghosts, these frightening stories have influenced fiction writers since the 18th century. This course will focus on the major themes found in Gothic literature and demonstrate how the core writing drivers produce, for the reader, a thrilling psychological environment. Terror versus horror, the influence of the supernatural, and descriptions of the difference between good and evil are just a few of the themes presented. By the time students have completed this course, they will have gained an understanding of and an appreciation for the complex nature of dark fiction.

Prerequisites: English I & English II or Expository Composition/Responding to Literature/World Literature

Recommended Grade Level: 11 or higher

Duration: 1 semester

Gothic Literature (H)

Introduction to Journalism (PEG)

Journalism is storytelling with a purpose. In this course, students will explore key moments in the history of American journalism (including yellow journalism and muckraking) and will examine the following questions: What is the news? What role does the news play in contemporary society? Additional lessons focus on interviewing skills, ethics, and writing style. Students should expect to demonstrate what they know by writing one feature-length article suitable for publication.

Prerequisites: None

Recommended Grade Level: 9 or higher

Duration: 1 semester

Introduction to Journalism (H)

NCAA



Introduction to Speech (PEG)

Students are introduced to public speaking, build confidence, and utilize modern technology to create and present a variety of presentations for different purposes and audiences; these can include informative presentations, persuasive presentations, special occasion speeches, and others. Students view, analyze, and evaluate several examples of public speaking for technique and effectiveness, including nonverbal communication (body language) and the sound and flow of speaking. They also learn how to create, organize, and deliver presentations for a variety of audiences and purposes.

Prerequisites: None

Recommended Grade Level: 9 or higher

Duration: 1 semester

Introduction to Speech (H)

NCAA

Lord of the Rings – Exploration Films & Lit.

Hobbits, Orcs, wizards, dashing knights, and powerful elves are all part of the magic created in J.R.R. Tolkien's famously epic tale, *The Lord of the Rings*. For years, the vivid characters within this beloved story could exist only in the readers' minds—until it was adapted into a movie that allowed fans to finally see, through the eyes of Hollywood magic and brilliant technology, the manifestation of these characters onscreen. What does it take to transport these well-known images like Gollum and the Shire from dusty pages to the giant screen? In *The Lord of the Rings: An Exploration of the Films & Its Literary Influences*, you will see first-hand how classic literature can become modern film and bring the fantasy alive for a whole new generation of believers.

Prerequisites: English I & English II or Expository Composition/Responding to Literature/World Literature

Recommended Grade Level: 11 or higher

Duration: 1 semester

Lord of the Rings (H)

Public Speaking I

Learn techniques from famous speakers throughout history while learning what it takes to make a great speech. Develop skills that will serve you well throughout your career and personal life. Bring your speeches to life by learning about body language, vocal, and other techniques. Learn about logic and reason while gaining the confidence to help create and deliver great presentations and speeches. You will also critically examine your speeches and presentations and those of others to improve upon your presentation.

Prerequisites: English I or Expository Composition

Recommended Grade Level: 10 or higher

Duration: 2 semesters

Public Speaking I A (H)

Public Speaking I B (H)

Responding to Literature (PEG)

Students learn key literary terms and concepts, and how to compose essays and articles in response to pieces of literature. They learn about certain character archetypes found in mythology that permeate modern stories of today, characterization, and types of characters (flat, round, static, dynamic). Students identify and evaluate writing for imagery, figurative language, metaphors, similes, and personification. Lesson topics also include theme, conflict, plot, setting, point of view, irony, foreshadowing, flashback, and symbolism. Students practice identifying, analyzing, and evaluating use of literary elements in a variety of literature, and they create projects in response to literature, using their knowledge of literary elements. Projects can include, but are not limited to, essays, articles, artistic expressions, and presentations.

Prerequisites: None

Recommended Grade Level: 9 or higher

Duration: 1 semester

Responding to Literature (H)

NCAA

Shakespeare: The Comedies (PEG)

Students investigate Shakespeare's history as a man, actor, poet and playwright. Then, they identify, analyze and discuss common elements of his comedies, including iambic pentameter, five act structure, supernatural occurrences, stock characters, and harmonious union. Additionally, students identify, analyze, and discuss common themes, such as the importance of love, the power of language, the difference between appearance and reality, and the power of dreams and illusions. Students review and discuss excerpts from Shakespeare's comedies and review summaries of these works.

Prerequisites: English III or British Literature

Recommended Grade Level: 11 or higher

Duration: 1 semester

Shakespeare: The Comedies (H) NCAA

Shakespeare: The Tragedies (PEG)

Students review Shakespeare's history as a man, actor, poet and playwright. They identify, analyze and discuss the tragic hero archetype as addressed in Shakespeare's plays. Students compare and contrast the structural elements and themes present in the comedies and the tragedies and interact with Shakespeare's tragic texts by reading and discussing excerpts and summaries. Upon completion of the course, students will submit an analysis of a film adaptation or professional performance of a Shakespearian tragedy.

Prerequisites: English III or British Literature

Recommended Grade Level: 11 or higher

Duration: 1 semester

Shakespeare: The Tragedies (H) NCAA

Survey of Poetry (PEG)

Students learn about types of poems, ranging from haiku to ballad, and the key concepts and devices of poetry, such as meter and rhyme scheme. They are exposed to a variety of poems and learn about several poets – both classic and contemporary. Students read and evaluate poems for the various concepts specific to poetry as well as more global literary elements (i.e. theme, imagery, irony). They also have the opportunity to create original works of poetry.

Prerequisites: None

Recommended Grade Level: 9 or higher

Duration: 1 semester

Survey of Poetry (H) NCAA

World Literature (PEG)

Students read and respond to historically or culturally significant works of British literature that reflect and enhance their studies of history and social science. They conduct in-depth analyses of recurrent patterns and themes, structural features, and narrative literary elements and devices. Students produce writing and projects in response to literature, including expository, biographical/ autobiographical, creative, persuasive, and literary analysis.

Prerequisites: English I or Responding to Literature/Expository Composition. Students who have taken English II should not take World Literature.

Recommended Grade Level: 10 or higher

Duration: 1 semester

World Literature (H) NCAA

Mathematics

Three credits of Mathematics are required to graduate from CMASAS. The minimum requirement is that all three credits must be at Algebra I level or higher.

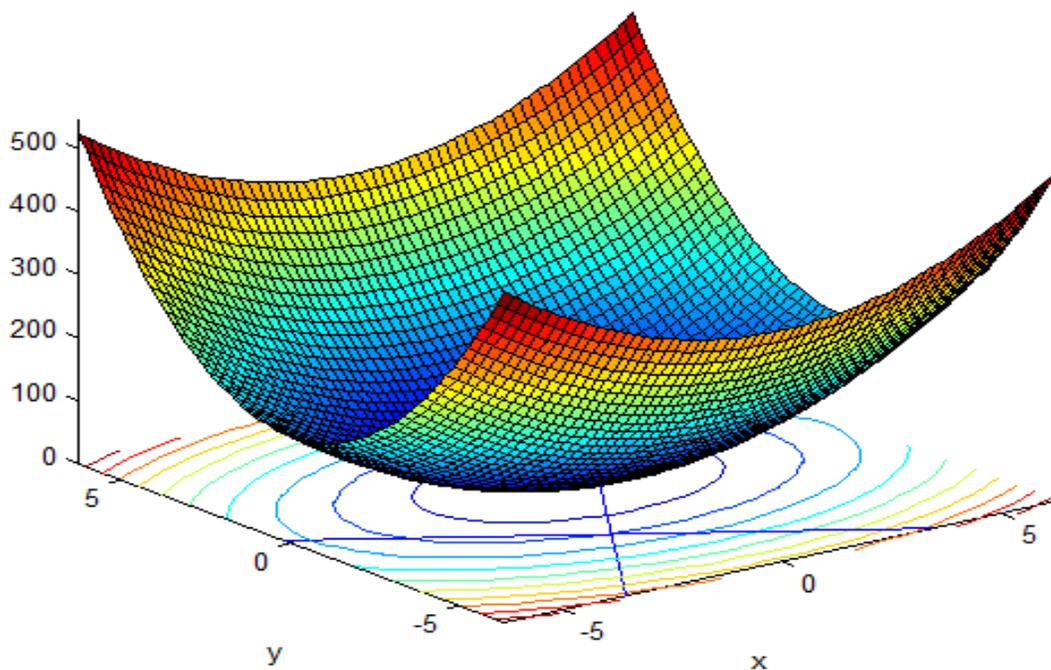
For students intending on applying to a public, four-year college or university it is recommended to take through Algebra II or higher. For students intending on applying to a highly selective college or university it is recommended to take through Pre-Calculus or higher.

Typical H.S. Mathematics Sequence:

- Pre-Algebra Skills (usually met in 8th grade)
- Algebra I A & B
- Geometry A & B
- Algebra II A & B

While the above sequence is the most common, it is by no means the only path.

Meet with your counselor and PEC to discuss the sequence that will best meet your specific education and career goals.



Mathematics

Algebra I

This course is the foundation for high school mathematics courses. It is the bridge from the concrete to the abstract study of mathematics. Algebra I A focuses on quantitative reasoning, algebraic models, functions, equations, and inequalities. Students will also learn about statistical models and linear systems. Algebra I B focuses on exponential relationships, and polynomial operation. Students will also learn about quadratic functions and equations, and inverse relationships. In both semesters, students will connect these ideas and concepts to real-world applications and will explore math in careers.

Prerequisites: Pre-Algebra, or equivalent skills

Duration: 2 semesters

Algebra I A (H)	NCAA
Algebra I B (H)	NCAA

Algebra II

This discipline complements and expands the mathematical content and concepts of Algebra I and Geometry. Students who master Algebra II will gain experience with algebraic solutions of problems in various content areas, including the solution of systems of quadratic equations, logarithmic and exponential functions, the binomial theorem, and the complex number system.

Prerequisites: Algebra I and Geometry, or equivalent skills

Duration: 2 semesters

Algebra II A (H)	NCAA
Algebra II B (H)	NCAA

Geometry

In this course, students will develop a logical system of thought. Geometry focuses on plane geometry with integration of some space and coordinate geometry. This course develops geometric concepts using formal proofs and algebraic applications. Algebra is used extensively for areas, volumes, lengths, angle measures, and graphing.

Prerequisites: Algebra I, or equivalent skills

Duration: 2 semesters

Geometry A (H)	NCAA
Geometry B (H)	NCAA

Integrated Math I

The content in this course is tied to real-world applications like sports, travel, business, and health. This course is designed to give students the skills and strategies to solve all kinds of mathematical problems. Students will also acquire the confidence needed to handle everything high school math has in store for them. Integrated Mathematics I emphasizes the importance of algebra and geometry in everyday life through hundreds of real-world examples. Assessments are designed to ensure that your understanding goes beyond rote memorization of steps and procedures. Upon successful course completion, students will have a strong foundation in Integrated Mathematics I and will be prepared for other higher-level math courses.

Prerequisites: none

Duration: up to 2 semesters

Integrated Math I A (H)
Integrated Math I B (H)

Integrated Math II

Algebra and geometry are everywhere, not just in pyramids. Engineers use them to build highways and bridges. Artists use them to create perspective in their paintings, and mapmakers help travelers find things using the points located on grids. Throughout this course, students travel a mathematical highway illuminated by spatial relationships, reasoning, connections, and problem solving.

Prerequisites: none

Duration: up to 2 semesters

Integrated Math II A (H)

Integrated Math II B (H)

Integrated Math III

This course allows students to learn while having fun. Interactive examples help guide students' journey through customized feedback and praise. Mathematical concepts are applied to everyday occurrences such as earthquakes, stadium seating, and purchasing movie tickets. Students investigate the effects of an equation on its graph through the use of technology. Students have opportunities to work with their peers on specific lessons.

Prerequisites: none

Duration: up to 2 semesters

Integrated Math III A (H)

Integrated Math III B (H)

Pre-Calculus

Students, as mathematic analysts, will investigate how advanced mathematics concepts can solve problems encountered in operating national parks. The purpose of this course is to study functions and develop skills necessary for the study of calculus. The Pre-calculus course includes analytical geometry and trigonometry. **Pre-calculus is an Honors level course only.**

Prerequisites: Geometry and Algebra II

Textbook Fee Optional

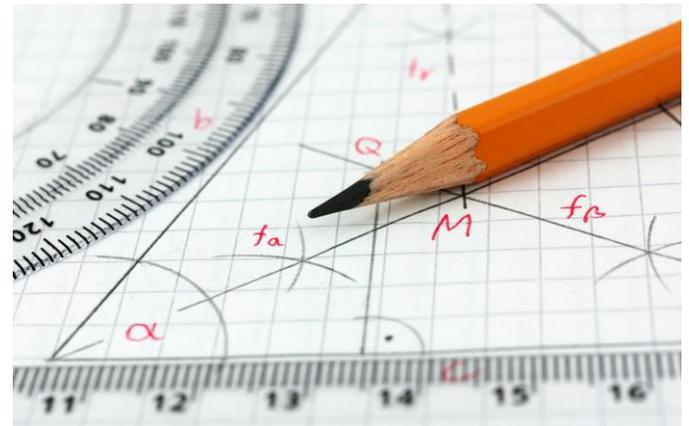
Duration: 2 semesters

Pre-Calculus A (H)

NCAA

Pre-Calculus B (H)

NCAA



Social Studies

Three credits of Social Studies are required for students to graduate from CMASAS. To meet these requirements students must have one credit of World History, one credit of US History, 0.5 credit Economics, and 0.5 credit American Government or Civics.

Typical H.S. Social Studies Sequence:

- World History – 10th grade
- U.S. History – 11th grade
- U.S. Government – 12th grade
- Economics – 12th grade

While the above sequence is the most common, it is by no means the only path.

Meet with your counselor and PEC to discuss the sequence that will best meet your specific education and career goals.

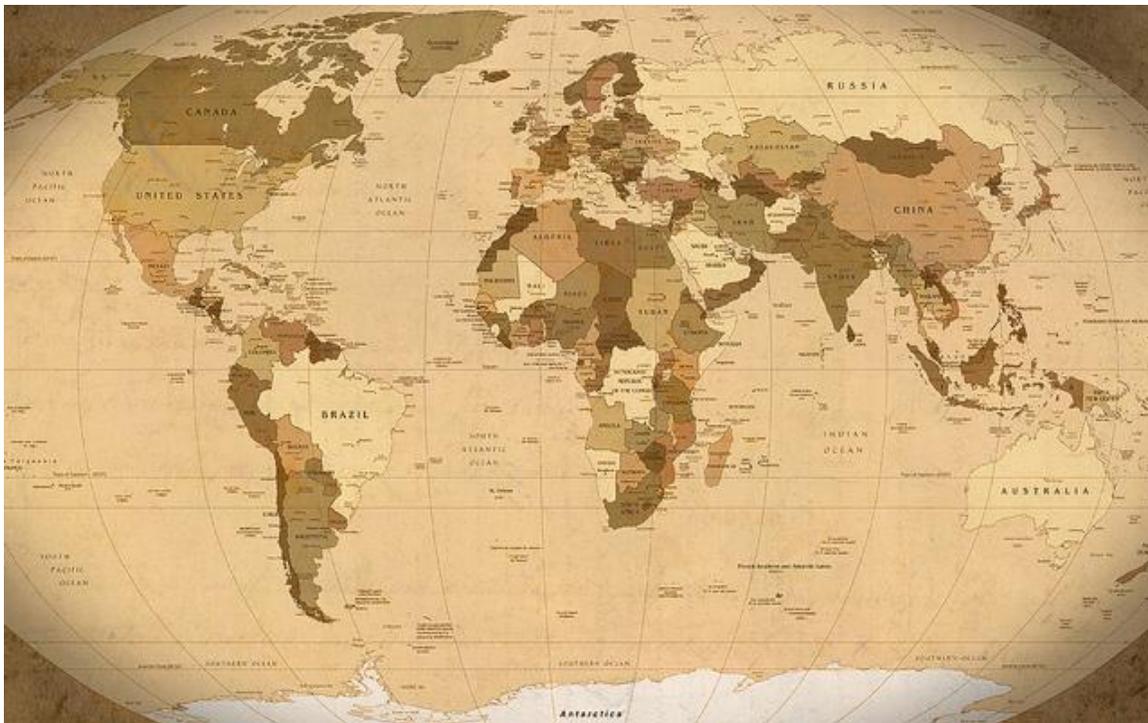


Photo By: [Guy Sie](#) ©

Social Studies

African-American History

Over the course of U.S. history, how have African Americans helped shaped American culture? This African American History course answers that question by tracing the accomplishments and obstacles of African Americans beginning with the slave trade on up to the modern Civil Rights movement. What was it like during slavery, or after emancipation, or during the years of discrimination under Jim Crow? Who were some of the main figures who have shaped African American history? In this course, you'll learn about the political, economic, social, religious, and cultural factors that have influenced African American life, come face to face with individuals who changed the course of history, and explore how the African American story still influenced African American life, come face to face with individuals who changed the course of history, and explore how the African American story still influences current events today.

Prerequisites: None

Duration: 1 semester

African American History

Anthropology I

What makes us human? Is it our ability to use language? Is it our abstract thinking skills or our use of tools and technology? In Anthropology 1 you will trace the history of homo sapiens and explore our evolutionary trail. This course offers an anthropologic lens to observe our movement from cave dweller to modern human. It sheds light on how we forged our way and developed all of the things that make us human, such as our cultures, languages, and religions. We, as humans in the 21st century, are highly intelligent, innovative people with astounding technological ability—how did we get this way.

Prerequisites: None

Duration: 1 semester

Anthropology I

Anthropology II

Find out how different locations shape various cultures and, in turn, how these cultures shape people's lives around the world—from the jungles of the Amazon to the islands of Indonesia. Anthropology II provides a fascinating look at this puzzle of culture. Many of our ancient cultures and languages were shaped by the geographical locations of our ancestors, and in this course, you will begin to visualize new ideas about how ancient cultures flourished through examining their views on life, death, art, and survival. In looking back and learning about cultures through the ages, we are better equipped to understand the world around us today.

Prerequisites: Anthropology I

Duration: 1 semester

Anthropology II

Archaeology

The field of archeology helps us to better understand the events and societies of the past that have helped to shape our modern world. This course focuses on these 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.

Prerequisites: None

Duration: 1 semester

Archaeology



Classical Philosophy, Introduction (PEG)

Students will explore the definition of philosophy and will receive an overview of Classical approaches to the topic. They will read works by Plato and Aristotle and learn to create a philosophical argument free of logical fallacies. Students conclude the course by creating a statement of personal philosophy.

Prerequisites: None

Duration: 1 semester

Introduction to Classical Philosophy (H) NCAA

Criminology

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. Why do some individuals commit crimes but others don't? What aspects in our culture and society promote crime and deviance? Why do individuals receive different punishments for the same crime?

Prerequisites: None

Duration: 1 semester

Criminology

Current World Issues & Politics (PEG)

With a strong emphasis in critical thinking skills, students explore current events. Topics include human rights, civic action and responsibility, environmental issues, globalization and the economy, politics and government, social problems both local and global, and other timely topics. Students learn about logic, and faulty logic, and how to analyze various media for engaging in propaganda and faulty logic. Newspapers, magazines, television, the Internet, and other media will be utilized.

Prerequisites: Junior or Senior standing; Senior standing recommended; U.S. History and World History

Duration: 1 semester

Current World Issues & Politics (H) NCAA

Economics, Principles of (PEG)

Covers fundamental economic concepts, including micro- and macroeconomics, international economics, comparative economic systems, measurement, and methods. Emphasis is placed in recognizing cause-and-effect relationships, encouraging the development of critical thinking skills applied within the realm of economics.

Prerequisites: Senior standing recommended; Algebra I recommended

Duration: 1 semester

Principles of Economics (H) NCAA

Great Minds in Science

Is there life on other planets? What extremes can the human body endure? Can we solve the problem of global warming? Today, scientists, explorers, and writers are working to answer all of these questions. Like Edison, Einstein, Curie, and Newton, the scientists of today are asking questions and working on problems that may revolutionize our lives and world. 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.

Prerequisites: None

Duration: 1 semester

Great Minds in Science

History of the Holocaust

Holocaust education requires a comprehensive study of not only times, dates, and places, but also the motivation and ideology that allowed these events. In this course, students will study the history of anti-Semitism; the rise for the Nazi party; and the Holocaust, from its beginnings through liberation and the aftermath of the tragedy. The study of the Holocaust is a multi disciplinary one, integrating world history, geography, American history, and civics.

Prerequisites: None

Duration: 1 semester

History of the Holocaust

Human Geography

How do language, religion, and landscape affect the physical environment? How do geography, weather, and location affect customs and lifestyle? Students will explore the diverse ways in which people affect the world around them and how they are affected by their surroundings. Students will discover how ideas spread and cultures form, and learn how beliefs and architecture are part of a larger culture complex. In addition to introducing students to the field of Human Geography, this course will teach students how to analyze humans and their environments.

Prerequisites: None

Duration: 1 semester

Human Geography

Philosophy, Introduction to

Go on an exciting adventure covering over 2,500 years of history! Along the way, you'll run into some very strange characters, like the dirty barefoot man who hung out on street corners pestering everyone with questions, or that eccentric fellow who climbed inside a stove to think about whether he existed. Despite their odd behavior, these and other philosophers of the Western world are among the world's most brilliant and influential thinkers and originated the fundamental ideas of Western civilization. Introduction to Philosophy: The Big Picture asks some of the same questions these great thinkers pondered, so by the time you've "closed the book" on this course, you will better understand yourself and the world around you – from atoms to outer space and everything in between.

Prerequisites: None

Duration: 1 semester

Introduction to Philosophy

Psychology, Introduction (PEG)

Introduction to psychology provides a foundation of knowledge in psychology and psychological methods. Student study learning and cognition and gain understanding in phases of development from a psychological perspective. Students learn about and discuss personality, including influences, theories, and measurements.

Prerequisites: None

Duration: 1 semester

Introduction to Psychology (H)

NCAA

Personal Psychology I

In Personal Psychology I you will trace the development of personality and behavior from infancy through adulthood. You will come to learn more about perception and consciousness and better understand the role of sensation. Are you ready to explore the world of human behavior? Come explore all that psychology can offer to help you to truly understand the human experience.

Prerequisites: None

Duration: 1 semester

Personal Psychology I

Personal Psychology II

In Personal Psychology II will you to explore what makes you 'you'. Why do some things motivate you more than others? How can you determine your IQ? If you've ever wanted to dive right into the depths of who you are and how you got to be you, jump on board and start your exploration now!

Prerequisites: None

Duration: 1 semester

Personal Psychology II

Social Problems I

Social Problems I will explore some of the biggest challenges facing our world today and prepare you to tackle them head-on. You'll learn what led to these social problems, what effects they have on our lives and societies, and what possible solutions exist for solving them. Whether you want to save the world from the next pandemic or better understand the effects of the media on society, this course will help you develop a plan of action.

Prerequisites: None

Duration: 1 semester

Social Problems

Social Problems II

In Social Problems II you'll explore more of the challenges we face and learn what we can do to reduce the effects of these conflicts and problems. From drug abuse to terrorists to the changing nature of communities in our digital world, we can better face and solve these problems when we have a deeper understanding of their causes and influences on our lives.

Prerequisites: None

Duration: 1 semester

Social Problems II

Sociology I

In this increasingly connected world, students will examine problems in our society and learn how human relationships can influence the life of the student. Exciting online video journeys to different areas of the world are also presented in the course.

Prerequisites: None

Duration: 1 semester

Sociology I

Sociology II

Sociology II takes a powerful look at how social institutions like families, religion, government, and education shape our world and how collective behavior and social movements can create change. Although the reality of the battles isn't always pretty, gaining a clearer picture of the different sides can help you better understand how our lives are shaped by entertainment, social institutions, and social change.

Prerequisites: None

Duration: 1 semester

Sociology II

Survey of Religion (PEG)

Students survey major religions and belief systems in the world. They also explore how religion is viewed in the United States, including the concepts of freedom of religion and the "separation of church and state." Students compare religions and look for purposes and common messages found across cultures and faiths.

Prerequisites: None

Duration: 1 semester

Survey of Religion (H)

U.S. Government (PEG)

Students learn the history and current structure of the United States government, and how to be active participants in the U.S. political system. They gain understanding of the underlying philosophies that formed the current system, explore the concept of democracy and individual rights, review landmark court decisions, evaluate and take positions on key issues, and learn to think critically.

Prerequisites: Senior standing, or instructor permission; U.S. History recommended

Duration: 1 semester

U.S. Government (H)

NCAA

U.S. History (PEG)

U.S. History follows a review of the nation's beginnings and the impact of the Enlightenment on U.S. democratic ideals. The course traces the change in the ethnic composition of American society. An emphasis is placed on the expanding role of the federal government and federal courts as well as the continuing tension between the individual and the state. Students examine that rights under the U.S. Constitution comprise a precious inheritance that depends on an educated citizenry for their preservation and protection. Students study the major turning points in American history in the 20th and 21st centuries, and the emergence and impact of new technology and a corporate economy, including the social and cultural effects. They trace the change in the ethnic composition of American society; the movement toward equal rights for racial minorities and women; and the role of the United States as a major world power.

Prerequisites: World History recommended; Junior or Senior standing recommended

Duration: 2 semesters

U.S. History A (H)	NCAA
U.S. History B (H)	NCAA

Women's Studies, Introduction to

The Introduction to Women's Studies focuses on the experience of women, but it's appropriate for anyone who wants to learn to critically examine films while learning about the history of the women's movement and how gender, race, and social class influence us. Women have earned their right to stand up and be recognized as equal partners and reap the benefits of their hard work. As the anonymous quote goes, "History is Herstory too."

Prerequisites: None

Duration: 1 semester

Women's Studies

World History (PEG)

In World History, students study major turning points that shaped the world, from the time of the early River Valley Civilizations and Classical Civilizations (Greece, Rome, Han China, India) through the present. They will compare early civilizations and look at the rise of religions, trade routes, etc. and how those impacted societies across the globe. They trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues, especially as they pertain to international relations.

During World History A, students explore times periods from ancient times through the Industrial Revolution of the 1800s. Then in World History B, students will pick up with the turn of the twentieth century and work through modern history up to today.

Prerequisites: None

Duration: 2 semesters

World History A (H)	NCAA
World History B (H)	NCAA

World Religions

This course focuses on the major religions that have played a role in human history, including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taoism. 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.

Prerequisites: None

Duration: 1 semester

World Religions

Science

Three credits of Science are required to graduate from CMASAS. These credits must include both a physical and life science credit; and at least two labs. For students intending on applying to a public, four-year college or university it is recommended to take Chemistry and/or Physics; and Biology. For some courses a physical lab kits are sent to give students the opportunity to participate in hands-on labs.

Course	Discipline	Lab
Astronomy	Physical Science	No
Biology	Life Science	Yes
Anatomy & Physiology	Life Science	No
Chemistry	Physical Science	Yes
Earth Space Science	Physical Science	No
Forensic Science	Integrated	Yes
Marine Science	Life Science	No
Physical Science	Physical Science	No
Physics	Physical Science	No



Science

Agriscience I

In this course, students learn about the development and maintenance of agriculture, animal systems, natural resources, and other food sources. Students also examine the relationship between agriculture and natural resources and the environment, health, politics, and world trade.

Prerequisites: None

Duration: 1 semester

Agriscience I

Agriscience II

Learn how science and technology are revolutionizing our food supply and promoting innovative ways to produce healthy plant-based foods, such as developing better hybrids and growing edible plants in challenging places. See how plant science will change the face of eating in the 21st century.

Prerequisites: None

Duration: 1 semester

Agriscience II

Anatomy & Physiology

In this course students explore the organization of the human body and how it works. They will acquire knowledge necessary to understand what the body is doing and how they can help the body cope with many different situations. Body systems will be studied in order to understand how their structure, location, and function allow for interaction with other parts of the body.

Prerequisites: Biology

Duration: 2 semesters

Anatomy & Physiology A (H)

Anatomy & Physiology B (H)

Biology

In this course, students learn about the life processes of plants and animals from the cellular level to the consideration of complex ecosystems. Topics include cell biology, genetics, ecology, evolution, and physiology. Students are encouraged to engage in critical thinking and to use the scientific process to conduct investigative learning activities.

Lab Course

Prerequisites: None

Duration: 2 semesters

Biology A (H)

NCAA

Biology B (H)

NCAA

Astronomy (PEG)

Astronomy is a fusion of concepts and applications from physics, chemistry, geology, biology and mathematics. As such, students experience science in a broad integrated manner. Throughout the course, mathematics is incorporated as a tool for understanding. Students explore the ever-advancing astronomy topics through multiple print and digital sources, including online and print material research. A variety of hands-on and virtual investigations support the understanding of astronomy concepts. The implications of the technologies and theories of astronomy upon Earth's societies are examined and discussed. Larger scale projects give students the opportunity to incorporate astronomy concepts in creative endeavors.

Prerequisites: Physical or Earth Science; Prior online learning experience and Algebra recommended

Duration: 2 semesters

Astronomy A (H)

NCAA

Astronomy B (H)

NCAA

Biotechnology

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.

Prerequisites: None

Duration: 1 semester

Biotechnology A (H)
Biotechnology B (B)

Chemistry (PEG)

Students will explore inorganic chemistry through an inquiry-based study. Students will investigate the world of chemistry using the scientific method, lab experiments, and activities. Topics covered in this course include matter, atoms, the periodic table, solutions, nuclear chemistry, reactions, equations, and acid/bases.

Lab Course

Additional lab fee may apply

Prerequisites: Algebra I

Duration: 2 semesters

Chemistry A (H) NCAA
Chemistry B (H) NCAA



Earth Space Science

Be captivated by the wonders and beauty of the third planet from our Sun, Earth. Be amazed by what awaits your discovery within our solar system and beyond. Explore the universe. Earth/Space Science is a laboratory course focusing on the study of space, geologic structures and forces, the waters on our planet, and atmospheric conditions. Through experimentation and investigation, students explore the earth cycles including the geosphere, hydrosphere, cryosphere, atmosphere, and the carbon cycle. This course offers interactive experiences, higher-order thinking, collaborative projects, and real-world application along with a variety of assessments. Upon completion of the course, students have a clear understanding of the dynamic forces at work in the world around them, becoming better caretakers of our planet, Earth.

Prerequisites: None

Duration: 2 semesters

Earth Space Science A (H) NCAA
Earth Space Science B (H) NCAA

Forensic Science (PEG)

This course introduces students to various methodologies and applications used in the forensic science. Students will learn how to process a crime scene and analyze the evidence. Topics discussed include crime-scene investigation and evidence collection, study of fibers and textiles, DNA analysis, fingerprinting, blood analysis, handwriting analysis, ballistics, and drug analysis.

Lab Course

Additional lab fee may apply

Prerequisites: None

Duration: 2 semesters

Forensic Science A (H) NCAA
Forensic Science B (H) NCAA

Marine Science

Since the beginning of time, humans have relied on the ocean. But as our planet continues to change over time, human activity has impacted the environment. In the marine science course, students explore the watery depths of our own planet in order to understand just how vital the ocean is to our existence. Throughout the course, students meet marine animals and learn about their interactions with each other and their environment. Students tour the evolving seafloor, where they encounter trenches, volcanoes, and ridges. Along the way, students hang ten as they discover waves, currents, tides, and other physical interactions between the ocean and the land. Finally, students study the impacts of chemical processes on our blue planet and how they affect the water, the atmosphere, and our climate. With a focus on conservation, this course shows students that the ocean connects us all, across distance and even time. Hang on—it's going to be an amazing journey.

Prerequisites: None

Duration: 2 semesters

Marine Science A (H)
Marine Science B (H)

Physical Science

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. This course is designed to serve as a foundation for the study of the physical sciences. The utilization of scientific inquiry, web 2.0 tools, interactive experiences, higher order thinking, collaborative projects, real world application through labs and a variety of assessments all aid the student in ultimately demonstrating a vast understanding of the importance of the physical and chemical properties of the world around them; enabling them to apply these properties to their everyday lives.

Prerequisites: None, Algebra I recommended

Duration: 2 semesters

Physical Science A (H) NCAA
Physical Science B (H) NCAA

Physics

In each module of Physics I, students discover the contributions of scientific geniuses like Galileo, Newton, and Einstein. Through their work, students 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 explained through real-world examples. Using laboratory activities, simulations, images, and interactive elements, students follow in the footsteps of some of the world's greatest thinkers.

Prerequisites: Algebra I

Duration: 2 semesters

Physics A (H) NCAA
Physics B (H) NCAA

Renewable Technologies, Intro to

Introduction to Renewable Technologies begins to uncover the development of new energy technologies and explores how recent approaches to generating, storing, and creating this precious resource have evolved. By gaining a larger understanding of this challenge, we, as thoughtful people, can implement real change and unlock the solution needed for a safer, cleaner, and more enduring world.

Prerequisites: None

Duration: 1 semester

Renewable Technologies

Veterinary Science

As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. This course will examine some of the common diseases and treatments for domestic animals. Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied.

Prerequisites: None

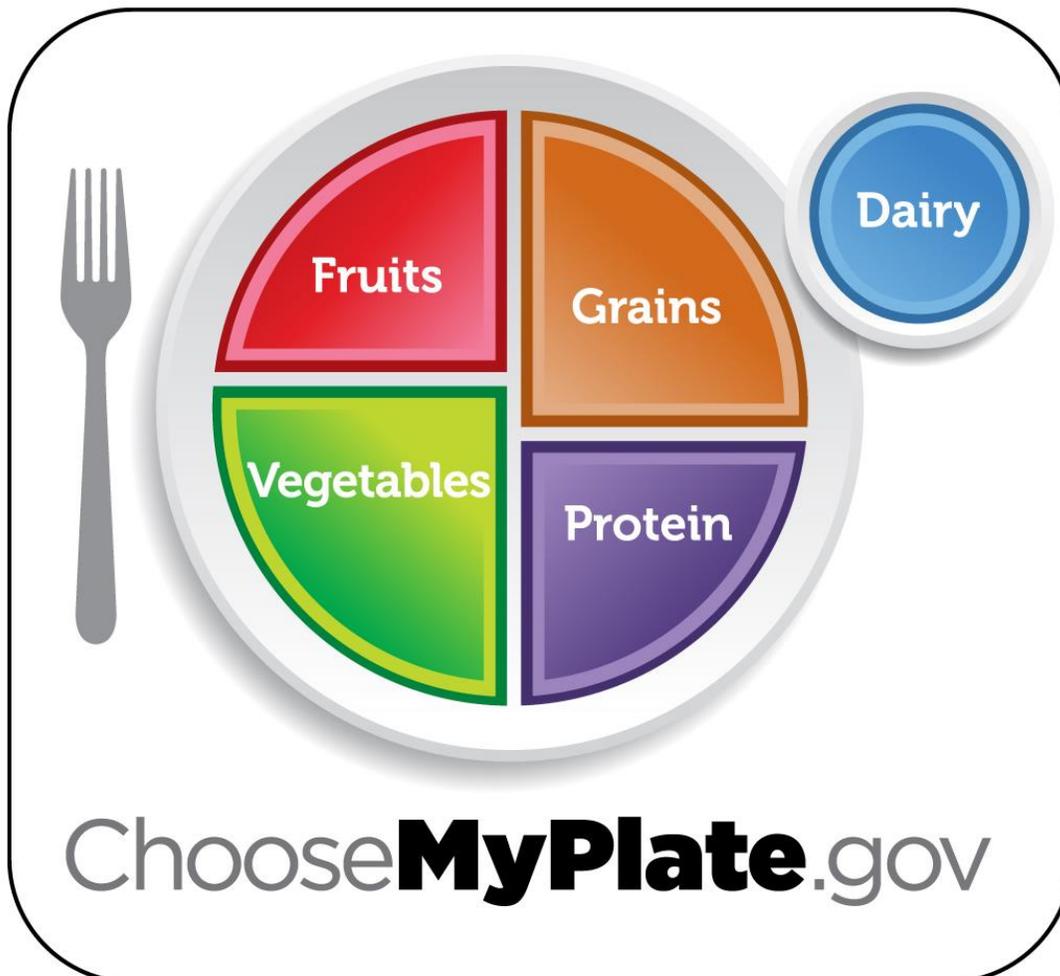
Duration: 1 semester

Veterinary Science

Health & Physical Education

Two credits of Health & Physical Education are required to graduate from CMASAS. These credits must include 0.5 credit of a health class.

Students are provided with customized PE course options. Most students' only take the PE I & II sequence, completing personalized activities in nutrition and fitness. They can include sports, martial arts, or other activities in which they are already involved. Meanwhile, other students are involved in specific sports that they want reflected on their transcript, such as dance or aquatic activities, and to obtain credit beyond the PE I & II sequence; these options include documentation of time, activities, goal setting, self-evaluation, and healthy choices.



Health & Physical Education

Adventure & Outdoor Activities (PEG)

Students demonstrate advanced knowledge and skills in two or more adventure/outdoor activities. They apply previously learned movement concepts and principles to learning and developing of motor skills required for successful participation in adventure/outdoor activities. They should be able to identify and apply the principles of biomechanics necessary for the safe and successful performance of these activities, and they should be able to list the safety equipment required for participation. Students participate in these activities that improve health-related physical fitness, analyze the effects of the activities on one's self and adjusting as needed while working towards personal fitness goals. Students also consider personal responsibility, social interaction, and group dynamics while participating in these activities.

Prerequisites: None

Duration: 2 semesters

Adventure & Outdoor Activities A
Adventure & Outdoor Activities B

Aerobic Activities (PEG)

Students demonstrate advanced knowledge and skills in two or more aerobic activities, selecting one or more from following: 1) aerobic dance, running, skating, swimming, cross-country skiing, cycling, rowing, triathlon, and walking. Students strive to achieve a level of physical fitness for health and performance while demonstrating knowledge of fitness concepts, principles, and strategies. Students also demonstrate knowledge of psychological and sociological concepts, principles, and strategies that apply to the learning and performance of physical activity.

Prerequisites: None

Duration: 2 semesters

Aerobic Activities A
Aerobic Activities B

Aquatic Activities (PEG)

Students demonstrate advanced knowledge and skills in two or more aquatic activities, selecting one or more from the following categories: 1) diving, kayaking/canoeing/ rowing, snorkeling, swimming, life guarding, scuba diving, synchronized swimming, and water polo. Students demonstrate knowledge and competency in motor skills, movement patterns, and strategies needed to perform in these activities. They strive to achieve a level of physical fitness for health and performance while demonstrating knowledge of fitness concepts, principles, and strategies. Students also demonstrate knowledge of psychological and sociological concepts, principles, and strategies that apply to the learning and performance of physical activity.

Prerequisites: None

Duration: 2 semesters

Aquatic Activities A
Aquatic Activities B

Holistic Health (PEG)

Holistic healthcare combines modern science with natural diet and herbal remedies, nutritional supplements, exercise, relaxation, psycho-spiritual counseling, meditation, breathing exercises, and other self-regulatory practices. It asserts that individuals can and should become proactive about adopting a healthy lifestyle and developing a unique, personalized approach to the treatment and prevention of disease. In this course, students study key elements of holistic health and develop a personalized holistic wellness plan.

Prerequisites: none

Duration: 1 semester

Holistic Health

Individual & Dual Activities (PEG)

Students demonstrate advanced knowledge and skills in two or more individual and dual activities, selecting one or more of the following: 1) Individual: archery, cycling, golf, gymnastics/tumbling, skating, skiing, surfing, and yoga; and 2) Dual: badminton, handball, racquetball, squash, tennis, and two-player volleyball. They strive to achieve a level of physical fitness for health and performance while demonstrating knowledge of fitness concepts, principles, and strategies.

Prerequisites: None

Duration: 2 semesters

Individual and Dual Activities A
Individual and Dual Activities B

Nutrition & Wellness (PEG)

Students gain an understanding that wellness is a personal responsibility, and that wellness is an important aspect of one's life. Students learn about food and kitchen safety procedures, summarize and apply information about different groups of foods, and demonstrate the ability to plan meals and be a smart consumer when shopping for food. They analyze their own nutritional needs, considering personal health, fitness, lifestyle, and other considerations.

Prerequisites: None

Duration: 1 semester

Nutrition and Wellness

PE through Dance (PEG)

Students demonstrate advanced knowledge and skills in two or more dance activities, selecting one or more from the following: 1) ballet, folk, and jazz, modern, social, and square. They strive to achieve a level of physical fitness for health and performance while demonstrating knowledge of fitness concepts, principles, and strategies.

Prerequisites: None

Duration: 2 semesters

PE through Dance A
PE through Dance B

Physical Education I & II (PEG)

Physical Education I and II emphasize personal fitness development. Students create personal fitness plans, setting goals, and evaluate/refining goals periodically over the course of the semester. They develop strength, endurance, flexibility, and coordination through a variety of regular physical activities. Students also demonstrate awareness of health and wellness information, including nutrition, safety, making healthy choices, first aid and emergency response skills, and developing a positive self-image.

Prerequisites: None

Duration: 4 semesters

Physical Education I A
Physical Education I B
Physical Education II A
Physical Education II B

Weight Training & Fitness (PEG)

Students demonstrate knowledge and competency in motor skills, movement patterns, and strategies needed to perform in these activities. This includes learning the biomechanics, techniques, and safety issues related to proper lifting techniques. They strive to display safe and responsible behavior while training and setting personal goals for fitness throughout one's lifetime.

Prerequisites: None

Duration: 2 semesters

Weight Training and Fitness A
Weight Training and Fitness B



World Languages

Three credits of World Languages/Fine Arts/CTE are required to graduate from CMASAS. These can be combination of any courses from World Language, Fine Arts, or CTE.

For students intending on applying to a public, four-year college or university it is recommended to take two credits of the same language. For students intending on applying to a highly-selective college or university it is recommended to take three to four credits of the same language.



CMASAS currently has two program options for world languages. Information provided below is intended to help clarify these options. Each option offers a slightly different approach and the languages available.

Immersion- Based Program

Languages Offered

Chinese 1-5
French 1-5
German 1-3
Italian 1-5
Japanese 1-3
Russian 1-3
Spanish 1-5



Description

Students use images and audio to learn the language. There are no traditional lessons on grammar or verb conjugations. Activities include a core lesson, pronunciation, vocabulary, grammar, listening, and others. Each activity follows the same format with students matching what they hear to images. Students will also use the voice recognition program to analyze their oral abilities. All Rosetta Stone courses are supplemented through Buzz with culture projects and current events assignments.

Traditional Program

Languages Offered

Chinese 1-3
French 1-2
Latin 1-3
Spanish 1-4

Description

A more traditional format to language learning that includes lessons in verb conjugations, grammar, vocabulary, and pronunciation. All content is presented through Buzz. There is a variety of activities that include audio and recording features for oral and listening assessments.

This is the only program that offers Latin.

World Languages

American Sign Language I

American Sign Language I will introduce students to vocabulary and simple sentences, so that they can start communicating right away. Importantly, students will explore Deaf culture – social beliefs, traditions, history, values and communities influenced by deafness. Students will also learn grammatical structures and explore interesting topics like Deaf education and Deaf arts and culture.

Prerequisites: None

Duration: 2 semesters

American Sign Language I A (H)
American Sign Language I B (H)

American Sign Language II

Building upon the prior prerequisite course, emphasis in this course is placed upon comprehension and signing. Learners will also continue to establish their communication skills and foster their understanding of deaf culture. In addition to learning classifiers, glossing, and mouth morphemes, students will explore vocabulary for descriptions, directions, shopping, making purchases, and dealing with emergencies, sequencing, transitions, role-shifts, and future tenses. Students will learn how to tell a story and ask questions, benefiting with greater exposure to deaf culture. Speed, conversations, signing skills, and cultural awareness are characteristic of this course.

Prerequisites: American Sign Language I

Duration: 2 semesters

American Sign Language II A (H)
American Sign Language II B (H)



Chinese I

Students learn beginning Chinese; no prior exposure to the Chinese language is required. Students will primarily learn to speak and understand spoken Chinese, and they will also learn how to read and write basic Chinese. They will gain knowledge of the Chinese culture and become aware of both Chinese history and current events.

Prerequisites: None

Duration: 2 semesters

Chinese I A (H) NCAA
Chinese I B (H) NCAA

Chinese II

Students learn how to navigate their surroundings and build on knowledge from Level 1. They are able to talk about telling time, giving and getting directions, using transportation, social interactions, dining out, enjoying basic and much more. They will continue to explore Chinese culture.

Prerequisites: Chinese I

Duration: 2 semesters

Chinese II A (H) NCAA
Chinese II B (H) NCAA

Chinese III

Students connect with the world around them by building on knowledge developed in Levels 1 and 2. They share ideas and opinions, expressing feelings, and talking about everyday life, interests, work, current events, culture and much more.

Prerequisites: Chinese II

Duration: 2 semesters

Chinese III A (H) NCAA
Chinese III B (H) NCAA

French I

Students learn beginning French; no prior exposure to the French language is required. Students will primarily learn to speak and understand spoken French, and they will also learn how to read and write basic French. They will gain knowledge of the French culture and history.

Prerequisites: None

Duration: 2 semesters

French I A (H)	NCAA
French I B (H)	NCAA

French II

Students learn how to navigate their surroundings and build on the vocabulary and essential language structure in Level 1. They are able to talk about giving and getting directions, using transportation, telling time, dining out, enjoying basic social interactions, and much more. They will continue to explore French culture.

Prerequisites: French I

Duration: 2 semesters

French II A (H)	NCAA
French II B (H)	NCAA

French III

Students connect with the world around them by building on the language fundamentals and conversational skills developed in Levels 1 and 2. They share ideas and opinions, expressing feelings, and talking about everyday life, interests, work, current events, culture and much more.

Prerequisites: French II

Duration: 2 semesters

French III A (H)	NCAA
French III B (H)	NCAA

French IV

Students reach a level of fluency to communicate clearly in the workplace and other settings. Students understand and interpret written and spoken language on a variety of topics, and they also use French to present information, concepts, and ideas to an audience of listeners or readers.

Prerequisites: French III

Duration: 2 semesters

French IV A (H)	NCAA
French IV B (H)	NCAA

French V

Students refine communication skills and make use of everything learned in French I - IV. Student use the French to learn about and discuss various topics, including entertainment, culture, government, and economics.

Prerequisites: French IV

Duration: 2 semesters

French V A (H)	NCAA
French V B (H)	NCAA

German I

Students learn beginning German; no prior exposure to the German language is required. Students will primarily learn to speak and understand spoken German, and they will also learn how to read and write basic German. They will gain knowledge of the German culture.

Prerequisites: None

Duration: 2 semesters

German I A (H)	NCAA
German I B (H)	NCAA

German II

Students learn how to navigate their surroundings and build on the vocabulary and essential language structure in Level 1. They are able to talk about giving and getting directions, using transportation, telling time, dining out, enjoying basic social interactions, and much more. They will continue to explore German culture.

Prerequisites: German I

Duration: 2 semesters

German II A (H)	NCAA
German II B (H)	NCAA

German III

Students connect with the world around them by building on the language fundamentals and conversational skills developed in Levels 1 and 2. They share ideas and opinions, expressing feelings, and talking about everyday life, interests, work, current events and much more.

Prerequisites: German II

Duration: 2 semesters

German III A (H)	NCAA
German III B (H)	NCAA

German IV

Students reach a level of fluency to communicate clearly in the workplace and other settings. Students understand and interpret written and spoken language on a variety of topics, and they also use German to present information, concepts, and ideas to an audience of listeners or readers.

Prerequisites: German III

Duration: 2 semesters

German IV A (H)	NCAA
German IV B (H)	NCAA

Italian I

Students learn beginning Italian; no prior exposure to the Italian language is required. Students will primarily learn to speak and understand spoken Italian, and they will also learn how to read and write basic Italian. They will gain knowledge of the Italian culture.

Prerequisites: None

Duration: 2 semesters

Italian I A (H)	NCAA
Italian I B (H)	NCAA

Italian II

Students learn how to navigate their surroundings and build on the vocabulary and essential language structure in Level 1. They are able to talk about giving and getting directions, using transportation, telling time, dining out, enjoying basic social interactions, and much more. They will continue to explore Italian culture.

Prerequisites: Italian I

Duration: 2 semesters

Italian II A (H)	NCAA
Italian II B (H)	NCAA

Italian III

Students connect with the world around them by building on the language fundamentals and conversational skills developed in Levels 1 and 2. They share ideas and opinions, expressing feelings, and talking about everyday life, interests, work, current events, culture and much more.

Prerequisites: Italian II

Duration: 2 semesters

Italian III A (H)	NCAA
Italian III B (H)	NCAA

Italian IV

Students reach a level of fluency to communicate clearly in the workplace and other settings. Students understand and interpret written and spoken language on a variety of topics, and they also use Italian to present information, concepts, and ideas to an audience of listeners or readers.

Prerequisites: Italian III

Duration: 2 semesters

Italian IV A	NCAA
Italian IV B	NCAA

Japanese I

Students learn beginning Japanese; no prior exposure to the Japanese language is required. Students will primarily learn to speak and understand spoken Japanese, and they will also learn how to read and write basic Japanese. They will gain knowledge of the Japanese culture.

Prerequisites: None

Duration: 2 semesters

Japanese I A	NCAA
Japanese I B	NCAA

Japanese II

Students learn how to navigate their surroundings and build on the vocabulary and essential language structure in Level 1. They are able to talk about giving and getting directions, using transportation, telling time, dining out, enjoying basic social interactions, culture and much more.

Prerequisites: Japanese I

Duration: 2 semesters

Japanese II A	NCAA
Japanese II B	NCAA

Japanese III

Students connect with the world around them by building on the language fundamentals and conversational skills developed in Levels 1 and 2. They share ideas and opinions, expressing feelings, and talking about everyday life, interests, work, current events and much more.

Prerequisites: Japanese II

Duration: 2 semesters

Japanese III A	NCAA
Japanese III B	NCAA

Latin I

Students take Latin to gain a strong linguistic foundation for learning several other languages as well as for building modern vocabulary, especially in the fields of science and medicine. Students interested in language and linguistics, sciences, and medicine are encouraged to take this course. Latin currently influences culture and language throughout the modern world.

Prerequisites: None

Duration: 2 semesters

Latin I A	NCAA
Latin I B	NCAA

Latin II

Students build on the vocabulary and essential language structure in Level 1. They are able to talk about giving and getting directions, using transportation, telling time, dining out, enjoying basic social interactions, and much more. They become aware of both Latin history and its current influence in the world.

Prerequisites: Latin I

Duration: 2 semesters

Latin II A	NCAA
Latin II B	NCAA

Russian I

Students learn beginning Russian; no prior exposure to the Russian language is required. Students will primarily learn to speak and understand spoken Russian, and they will also learn how to read and write basic Russian. They will gain knowledge of the Russian culture and become aware of both Russian history and current events.

Prerequisites: None

Duration: 2 semesters

Russian I A	NCAA
Russian I B	NCAA

Russian II

Students learn how to navigate their surroundings and build on the vocabulary and essential language structure in Level 1. They are able to talk about giving and getting directions, using transportation, telling time, dining out, enjoying basic social interactions. They will continue to explore Russian culture.

Prerequisites: Russian I

Duration: 2 semesters

Russian II A	NCAA
Russian II B	NCAA

Russian III

Students connect with the world around them by building on the language fundamentals and conversational skills developed in Level 1 and 2. They share ideas and options, expressing feelings, and talking about everyday life, interests, work, current events culture and much more.

Prerequisites: Russian II

Duration: 2 semesters

Russian III A	NCAA
Russian III B	NCAA

Spanish I

Students learn beginning Spanish; no prior exposure to the Spanish language is required. Students will primarily learn to speak and understand spoken Spanish, and they will also learn to read and write basic Spanish. They will gain knowledge of the Spanish culture and become aware of both Spanish history and current events.

Prerequisites: None

Duration: 2 semesters

Spanish I A	NCAA
Spanish I B	NCAA

Spanish II

Students learn how to navigate their surroundings and build on the vocabulary and essential language structure in Level 1. They are able to talk about giving and getting directions, using transportation, telling time, dining out, enjoying basic social interactions, culture and much more.

Prerequisites: Spanish I

Duration: 2 semesters

Spanish II A	NCAA
Spanish II B	NCAA

Spanish III

Students connect with the world around them by building on the language fundamentals and conversational skills developed in Levels 1 and 2. They share ideas and opinions, expressing feelings, and talking about everyday life, interests, work, current events and much more. They will continue to explore Spanish culture.

Prerequisites: Spanish II

Duration: 2 semesters

Spanish III A	NCAA
Spanish III B	NCAA

Spanish IV

Spanish IV builds upon competencies mastered in Spanish I-III, reaching a level of fluency to communicate clearly in the workplace and other settings. Students are able to understand and interpret written and spoken language on a variety of topics, and they also use Spanish to present information, concepts and ideas to an audience of listeners or readers on a variety of topics. Student will continue their cultural studies.

Prerequisites: Spanish III

Duration: 2 semesters

Spanish IV A	NCAA
Spanish IV B	NCAA

Spanish for Spanish Speakers

This is a course for students that speak Spanish as their first language. This course willAdd more

Prerequisites: Spanish IV

Duration: 2 semesters

Spanish for Spanish Speakers A
Spanish for Spanish Speakers B



Parco del Valintino Turin, Italy

Visual & Performing Arts

Three credits of World Languages/Fine Arts/CTE are required to graduate from CMASAS. These can be a combination of any courses from World Language, Fine Arts, or CTE.

Students have a variety of options for visual and performing arts classes, and they are also encouraged to integrate the arts throughout their other areas of study.

Online art classes are personalized to individual student skills levels and focus areas of interest. Students can anticipate regular communication and guidance from an instructor, helping them refine their skills at each level. Email, Skype, phone, and the live online classroom are commonly used to share artwork and to receive feedback and guidance.

While beginning level courses can be completed using freely- available programs and common household items (i.e. pencil), students are strongly encouraged to obtain industry standard materials for advanced level of study. Student status can be used for education discount vendors.

Some courses are designed to document and incorporate current student activities in the arts. Dance, Musical Performance, and Theatrical Performance are for students who are actively involved in courses or who are professional performers seeking to further develop their skills. Studio Arts is another class that can easily incorporate student involvement in the arts, again with a focus on personal and professional development.

Students typically submit work using a scanner or digital camera to create an image to email or upload into the classroom, or by presenting via webcam.

In addition to taking visual and performing art courses, students are encouraged to integrate art throughout their other courses. Many assignments will give options that include various forms of art, and students are encouraged to propose alternate assignments that demonstrate learning of the same concept while allowing for additional creativity.

Visual & Performing Arts

Art in World Culture

Who is the greatest artist of all time? Is it Leonardo daVinci? Claude Monet? Michelangelo? Pablo Picasso? Is the greatest artist of all time someone whose name has been lost to history? You will learn about some of the greatest artists while also creating art of your own, including digital art. We will explore the basic principles and elements of art, learn how to critique art, and examine some of the traditional art of the Americas, Africa, and Oceania in addition to the development of Western art.

Prerequisites: None

Duration: 1 semester

Art in World Culture

Dance (PEG)

Students perceive and respond, using the elements of dance. They demonstrate movement skills, process sensory information, and describe movement, using the vocabulary of dance. They apply choreographic principles, processes, and skills to create and communicate meaning through the improvisation, composition, and performance of dance. Students analyze the function and development of dance in past and present cultures throughout the world, noting human diversity as it relates to dance and dancers. Students critically assess and derive meaning from works of dance, performance of dancers, and original works according to the elements of dance and aesthetic qualities. Students apply what they learn in dance to learning across subject areas and explore career possibilities in dance.

Prerequisites: None

Duration: 2 semesters

Dance A

Dance B

Design, Beginning (PEG)

The world of the visual arts and communication is surveyed from multiple perspectives in this course. Students develop and apply the elements and principles of art, as well as social and historical context, as they gain skills in the critical analysis and interpretation of art. In addition to developing art perception skills, creative expression and art history are surveyed from around the world. Students have choices in how they demonstrate understanding. Projects involve the application of the elements and principles of design to an assortment of visual communication situations. Depending on student interest, the purchase of some art materials may be needed. Work is submitted by digital photography and email.

Prerequisites: None

Duration: 1 semester

Beginning Design

Design, Intermediate (PEG)

This course is directed towards students intending to pursue art and design education and careers after high school. With Advanced Design, students continue with topics from Intermediate Design with greater sophistication. Projects involve the application of the elements and principles of design to an assortment of visual communication situations. Graphic, fashion, product, packaging, interior, architectural, publication, culinary, and photographic design are examples of possible areas for the application of design skills and aesthetics. The course will be complete with the production and presentation for a comprehensive design project. This project can be planned to align with portfolio requirements for admission to college art and design programs. Depending on student interest, the purchase of some art material may be needed.

Prerequisites: Beginning Design or equivalent skills

Duration: 1 semester

Intermediate Design

Design, Advanced (PEG)

This course is directed towards students intending to pursue art and design education and careers after high school. With Advanced Design, students continue with topics from Intermediate Design with greater sophistication. Projects involve the application of the elements and principles of design to an assortment of visual communication situations. Graphic, fashion, product, packaging, interior, architectural, publication, culinary, and photographic design are examples of possible areas for the application of design skills and aesthetics. The course will be complete with the production and presentation of a comprehensive design project. Depending on student interest, the purchase of some art materials may be needed.

Prerequisites: Intermediate Design or equivalent

Duration: 1 semester

Advanced Design

Digital Photography, Beginning (PEG)

The course begins with a survey of the science and technology of digital photography as students become familiar with their particular camera(s). As students gain proficiency in camera handling skills in a variety of common situations, understanding of essential design principles is developed. Composition and lighting are key areas of emphasis. A series of projects will be completed, involving a range of common photographic situations and subjects. A main goal for the course is for students to be able to work with a fairly wide range of subjects in different lighting situations and distances. The elements and principles of design are related to photographic media. Critical analysis of photographs. digital photograph organization, editing and storage, and the basic skills of working with digital editing software are introduced.

Prerequisites: None

Duration: 1 semester

Beginning Digital Photography

Digital Photography, Intermediate (PEG)

The development of proficiency with photography techniques continues with this course. More advanced composition and lighting situations are explored. Student's gain more advanced working understanding of digital photography technology and how this relates to the art of digital photography. Photography as a fine art is emphasized throughout the course. Contemporary and historic photographs are critically examined and understanding applied to students' work. The use of image editing software is expanded while students work with more demanding subjects and more sophisticated techniques. Use of Digital SLR camera is highly recommended.

Prerequisites: Beginning Photography or equivalent skills

Duration: 1 semester

Intermediate Digital Photography

Digital Photography, Advanced (PEG)

Development of proficiency with photography techniques continues with this course. More advanced composition and lighting situations are explored. Student's gain more advanced working understanding of digital photography technology and how this relates to the art of digital photography. Contemporary and historic photographs are critically examined and understandings applied to students' work. Students are able to focus on particular subjects of interest for projects. The production and presentation of a portfolio of projects is required. This course is especially recommended for students intending to pursue arts and photography education and careers beyond high school. Particular emphasis is placed on the production of a refined body of photographic work or a portfolio for admission to post-secondary art programs. Digital SLR Camera is required. Photo editing software with layer is required. GIMP is an open-source digital editor and is recommended. Adobe Photoshop is highly recommended.

Prerequisites: Intermediate Photography or equivalent skills

Duration: 1 semester

Advanced Digital Photography

Digital Publishing, Beginning (PEG)

A blending of the creativity, techniques, and design used to produce refined print or online e-publications. Examples of contexts include, but are not limited to, books, ebooks, slide presentations, websites or blogs, multimedia videos, graphic novels, and infographics. The Digital Publication course is highly customized to students' interests and needs; however, the emphasis will be on the process of going from conceptualization through development, revising, and production of effective communication items. The application of the elements and principles of design, visual problem-solving, and critical analysis of design products will be emphasized.

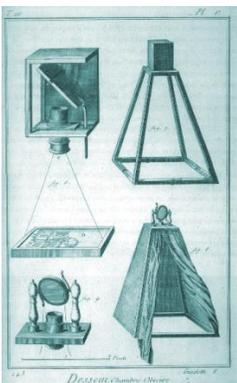
Because Digital Publication is highly customized, students need to expect to be in regular communication with the instructor. Often, meeting directly through online Adobe Connect office or Skype is needed for work review and direct demonstration of particular techniques with specific software. An optional weekly office hour for this course will be available.

There is the option for students to work with projects in a collaborative manner. If this is of interest, involvement with the Arts Club is recommended. Students wanting to work with the school yearbook or other publications can earn credit through Digital Publications.

Prerequisites: None

Duration: 1 semester

Digital Publishing, Beginning



Photographers deal in things that are continually vanishing and when they have vanished there are no contrivance on earth, which can make them come back again.

~Henri Cartier-Bresson

Drawing, Beginning (PEG)

Beginning Drawing is for those students with little or no prior drawing experience. Basic skills in dry and wet drawing media will be introduced and practiced. Students will survey current and past drawing works of artists from around the world to develop an appreciation of the diverse ways drawing is approached and applied. A working vocabulary will be developed as the elements and principles of art are applied to the art of drawing. Emphasis is placed on grey-scale drawing, although students may elect to include color in their pieces. The basic principles of perspective are introduced. Drawing styles ranging from abstract, through semi-abstract, to representational will be explored. This course serves as a foundation course for continuing study in fine arts. Along with specific, skill-focused assignments, students will complete a portfolio of pieces demonstrating the range of skills and concepts developed during the course. This course is highly customized to fit with students' prior experience and goals for drawing. As such, weekly, or biweekly phone or online meetings can be expected. If these are not feasible, frequent email communication is essential. Purchase of a modest list of art materials may be needed.

Prerequisites: None

Duration: 1 semester

Beginning Drawing

Drawing, Intermediate (PEG)

Basic skills in dry and wet drawing media will be expanded and practiced. Students will survey current and past drawing works of artists from around the world to develop an appreciation of the diverse ways drawing is approached and applied. A working vocabulary will be developed as the elements and principles of art are applied to the art of drawing. Emphasis is continued on grey-scale drawing, although color has significant importance. The basic principles of perspective are expanded. Digital drawing and painting is introduced. Along with specific, skill-focused assignments, students will complete a portfolio of pieces demonstrating the range of skills and concepts developed during the course. Depending on specific student interest, the purchase of additional art materials may be needed.

Prerequisites: Beginning drawing or equivalent skills.

Duration: 1 semester

Intermediate Drawing

Drawing, Advanced (PEG)

Advanced Drawing is for those students interested in developing fluent drawing skills. Students should be familiar with the use of the elements and principles of art to represent depth and perspective. Intermediate drawing skills are expanded upon according to students' particular interests. Along with specific, skill-focused assignments, students will complete a portfolio of pieces demonstrating the range of skills and concepts developed during the course. Depending on specific student interest, the purchase of additional art materials may be needed. Emphasis is placed on producing a significant body of work based on a particular theme. This may include portfolio pieces to be used for art college admission.

Prerequisites: Intermediate Drawing or equivalent skills

Duration: 1 semester

Advanced Drawing



Instrument Instruction

These courses are designed for the beginner musician and focuses on creating a solid foundation in playing the instrument of focus. Lesson topics include developing proper technique and learning to read music for that instrument. Each course provides some history on the instrument and listening and playing activities. Students will need to provide their own instruments.

Instrument Options

Bass Guitar	Classical Guitar
Drums	Flute
French Horn	Guitar Voice
Keyboarding	Music Theory
Saxophone	Trumpet
Ukulele	Voice

Prerequisites: None.

Duration: 2 semesters/each instrument

Bass Guitar A/B
Classical Guitar A/B
Drums A/B
Flute A/B
French Horn A/B
Guitar A/B
Keyboarding A/B
Music Theory
Saxophone A/B
Trumpet A/B
Ukulele A/B
Voice A/B

Music Appreciation

Music Appreciation not only will provide a historical perspective on music from the Middle Ages to the 21st century, but it will also teach you the essentials of how to listen and really hear (with a knowledgeable ear) the different music that's all around you. Learning how to truly appreciate sound and melody is the best way to ensure a continued love of this delightful art form.

Prerequisites: None.

Duration: 1 semester

Music Appreciation

Painting, Beginning (PEG)

Basic skills for acrylic media are introduced and practiced. Students survey current and past paintings of artists from around the world and diverse ways painting is approached and applied. Emphasis on designing paintings, color mixing, and basic paint application techniques. Styles ranging from abstract, through semi-abstract, to representational will be explored. Along with specific, skill-focused assignments, students will complete a portfolio of pieces demonstrating the range of skills and concepts developed. Students will need acrylic media and supplies. A list of recommended paintbrushes and related can be requested prior to student enrollment in the course.

Prerequisites: None.

Duration: 1 semester

Beginning Painting

Painting, Intermediate (PEG)

Intermediate Painting is for those students with prior beginning –level painting experience. Students should be familiar with the use of the elements and principles of art to represent depth and perspective. Basic skills in acrylic media will be expanded and practiced. Students may want to begin work with oil, watercolors, gouache (opaque watercolor), pastels or mixed-media. A working vocabulary will be developed as the elements and principles of art are applied to the art of painting. Emphasis is continued on building technical and artistic paint-handling skills. The mixing and use of color continues as a major topic. The basic principles of perspective are expanded and used to generate depth in paintings. Painting styles, ranging from abstract, through semi-abstract, to representational will be explored. This course contributes to continuing study in commercial and fine arts. Along with specific, skill-focused assignments, students will complete a portfolio of pieces demonstrating the range of skills and concepts developed during the course. A list of materials and sources can be obtained from the instructor prior to registration in the course.

Prerequisites: Beginning Painting or equivalent skills

Duration: 1 semester

Intermediate Painting

High School Course Catalog

Painting, Advanced (PEG)

Advanced Painting is for those students with prior intermediate –level painting experience. Students should be familiar with the use of the elements and principles of art to represent depth and perspective. Advanced skills in water-based, oil, or other media will be expanded and practiced. Students will survey current and past works of artists from around the world to develop an appreciation of the diverse ways painting is approached and applied. Students will apply the elements and principles of art along with critical analysis of paintings to make intentional decision to achieve goals in their work.

Emphasis is continued on building technical and artistic paint-handling skills. Painting styles, ranging from abstract, through semi-abstract, to representational will be explored. Along with specific, skill-focused assignments, students will complete a portfolio of pieces demonstrating the range of skills and concepts developed during the course. This work is particularly well suited to the preparation or portfolios for admission into college art and design programs.

A list of materials and sources can be obtained from the instructor prior to registration in the course based on student interest.

Prerequisites: Intermediate Painting or equivalent skills

Duration: 1 semester

Advanced Painting

Studio Arts (PEG)

Studio Arts is for students who are engages in hands-on activities to learn, produce, refine, present, and evaluate arts. Examples of art forms include painting, sculpture in various media including ceramics and porcelain, and mixed-media productions. An individual plan is created with a teacher, focusing on personal development and learning goals in addition to logging the necessary number of hours for credit.

Prerequisites: None

Duration: 2 semesters

Studio Art A

Studio Art B

Theater, Cinema, & Film Production

Lights! Camera! Action! Let's explore the enchanting world of live theater and its fascinating relationship to the silver screen. In Theater, Cinema, and Film Production, you'll learn the basics of lighting, sound, wardrobe, and camerawork while examining the magic that happens behind all the drama. Delve into the glamorous history of film and theater, and examine the tremendous influence these industries have had on society and culture over the years. During this unit, you'll discuss and analyze three classic American films "Casablanca, Singing in the Rain, and The Wizard of Oz" to help you learn how to critique and appreciate some of the most famous dramas of all time.

Prerequisites: None

Duration: 1 semester

Theater, Cinema, & Film Production



Theatrical Performance (PEG)

Student engages in learning and practice of drama/acting theory and techniques as applied to theatrical performance. This course is meant for students receiving acting lessons through community course instructors, involved as an actor in the production of plays, and/or for students involved in the production of their work. An individual plan is created with a teacher, focusing on personal development and learning goals in addition to logging the necessary number of hours for credit. Students observe their environment and respond, using the elements of theatre. Students analyze the role and development of theatre, film/video, and electronic media in past and present cultures throughout the world, noting diversity as it relates to theatre. Students apply what they learn in theatre, film/video, and electronic media across subject areas. They develop competencies and creative skills in problem solving, communication, and time management that contribute to lifelong learning and career skills. They also learn about careers in and related to theatre.

Prerequisites: None

Duration: 2 semesters

Theatrical Performance A

Theatrical Performance B

"The world is but a canvas to the imagination."

~ Henry David Thoreau

"If you hear a voice within you say, 'You cannot paint,' then by all means paint, and that voice will be silenced."

~Vincent van Gogh

Career & Technical Education

Three credits of World Languages/Fine Arts/CTE are required to graduate from CMASAS. These can be combination of any courses from World Language, Fine Arts, or CTE.

Today's cutting-edge, rigorous and relevant career and technical education (CTE) prepares youth and adults for a wide range of high-wage, high-skill, high-demand careers.

What is Career and Technical Education?

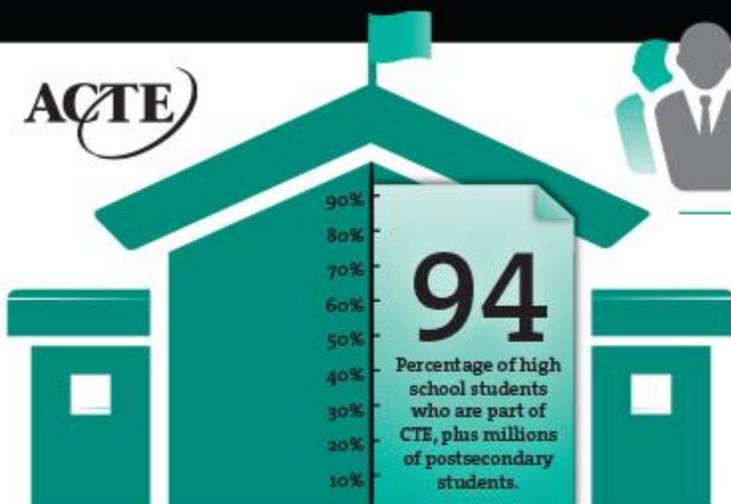




Fulfills employer needs that are

High

skill
wage
demand



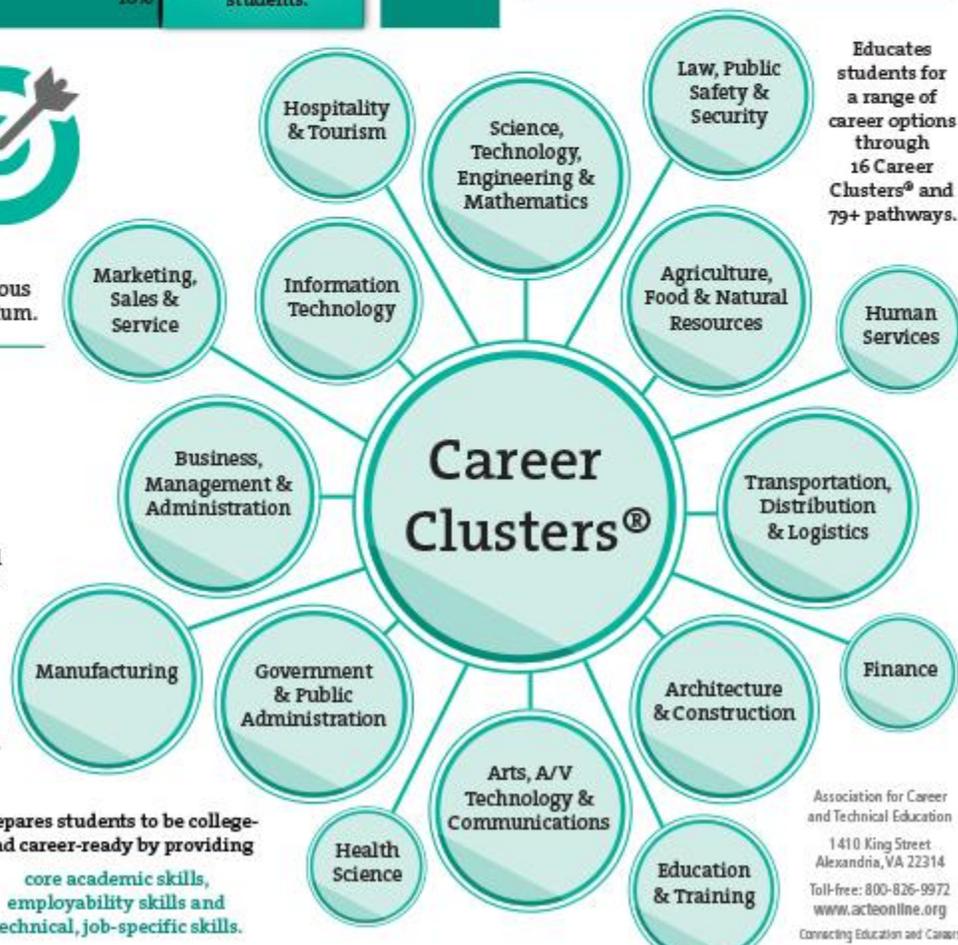
94
Percentage of high school students who are part of CTE, plus millions of postsecondary students.



Includes high schools, career centers, community and technical colleges, four-year universities and more.



Integrates with academics in a rigorous and relevant curriculum.



Educates students for a range of career options through 16 Career Clusters® and 79+ pathways.



Features high school and postsecondary partnerships, enabling clear pathways to certifications and degrees.

Career Clusters®



Prepares students to be college- and career-ready by providing core academic skills, employability skills and technical, job-specific skills.

Association for Career and Technical Education
1410 King Street
Alexandria, VA 22314
Toll-free: 800-826-9972
www.acteonline.org
Connecting Education and Careers

Career & Technical Education

ACT Test Prep

Students build their math, reading, and writing skills through this course. Students can listen to math, verbal and writing tutorials and each tutorial is accompanied by a quiz to test student mastery. The program is highly adaptive and keeps track of a student's strengths and weaknesses. Students have access to a large pool of practice questions and receive instant feedback upon completion of each question. This feedback includes easy-to-understand explanations. Students will also have access to two full-length tests and many other resources.

Prerequisites: None

Duration: 1 semester

ACT Test Prep

Argiculture, Principles of

Did you know that the world's population could be as high as 11 billion people by the year 2050? And certainly, as our population is growing, so too are our food needs. Even today, millions of people around the world experience hunger. How can we balance growing populations and keeping everyone fed? This is where the importance of agriculture, food, and natural resources comes in! Through the study of Principles of Agriculture: Food and Natural Resources, you will gain a stronger sense of how food ends up on the plate and how we can maximize the foods and natural resources the earth provides. You'll learn more about agriculture's history, animal husbandry, plant science, and natural resources, and you'll be better prepared for your part in sustaining the world.

Prerequisites: None

Duration: 1 semester

Principles of Agriculture

Animation

Do you wonder what it would be like to create the next blockbuster animated movie or do you want to make the next big video game? Do you have an eye for drawing, technology, and timing? If so, Animation is the course for you! You will learn how to use animation tools to conceptualize and bring your creations to life. You'll learn the ins and outs of creating 2D and 3D animation, from start to finish. You'll even begin working on our own design portfolio and get hands on experience with creating your own animation projects. Learning about Animation could lead to a thriving career in the growing world of technology and animation.

Prerequisites: None

Duration: 1 semester

Animation

Applied Leadership (PEG)

Students engage in activities that require the application of leadership skills. Students complete 90 or more hours of involvement in activities such as student government, community service, charitable organizations, proactively serving a cause, overseeing a group to solve a specific program, and other activities that require the student to learn and meet leadership competencies in communication, technology, organizational skills, and personal responsibility and integrity.

Prerequisites: None

Duration: 1 semester

Applied Leadership

Career Planning

Students evaluate their interests, skills, and preferences; this can include personality type, innate talents, training, values, hobbies, and topics of interest. They research and compare a variety of career options, and analyze for each the job description, salary expectations, job outlook, and the training and skills required. They build a career portfolio of a resume, references, sample letters that can be adjusted for future use, and other items that one might want to showcase. They evaluate personal and career goals, and create a career plan that incorporates personal preferences and goals. Students also learn about workplace safety, procedures, and expectations, with an emphasis on personal responsibility.

Prerequisites: None

Duration: 1 semester

Career Planning

Careers in Criminal Justice

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. The Careers in Criminal Justice 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.

Prerequisites: None

Duration: 1 semester

Careers in Criminal Justice

Childhood Development

Childhood development is aimed at promoting knowledge and skills important for parenting and for working with children of many ages. Students learn about different phases of childhood development, from prenatal to adolescence, and explore the physical, emotional, and intellectual changes and needs of each age group. Students gain an appreciation for children and their needs, understand the responsibilities of parenting and the value of strong families, and learn about children's health and safety needs. Students also explore careers involving working with children.

Prerequisites: None

Duration: 1 semester

Childhood Development

Coding I

In Coding I, you will explore the role technology plays in our lives as well as study the fundamentals of computer science, review hardware and software, and learn how the internet functions. You will also discover how to create and build your own website using HTML and CSS and learn basic and complex commands and sequences as you become familiar with programming languages like JavaScript and Python Programming. This course also covers data collection methods, access rights, protocols, and security. You will learn the difference between web development and web application development. You will also examine software engineering concepts, learn more about security, privacy, and ethics in technology, and explore the wide variety of careers in computing.

Prerequisites: None

Duration: 1 semester

Coding I

Cosmetology I

Interested in a career in cosmetology? This course provides an introduction to the basics of cosmetology. Students will explore career options in the field of cosmetology, learn about the common equipment and technologies used by cosmetologists, and examine the skills and characteristics that make someone a good cosmetologist. Students will also learn more about some of the common techniques used in caring for hair, nails, and skin in salons, spas, and other cosmetology related businesses.

Prerequisites: None

Duration: 1 semester

Cosmetology I

Cosmetology II

Helping people put their best face forward is a growing, vibrant industry which needs skilled and personable professionals well-versed in the latest trends and technological advances. In Cosmetology 2: The Business of Skin and Nail Care, experience what the day-to-day life of a cosmetologist is like. You will discover that cosmetology is much more than knowing and applying techniques. Additionally, you will explore skin care and facials, learn how to give manicures and pedicures and how to apply artificial nails, and gain an understanding of different hair removal techniques. Discover the next steps towards launching a rewarding and creative career in cosmetology.

Prerequisites: Cosmetology I

Duration: 1 semester

Cosmetology II



Cosmetology III

Cosmetology is a specialized field with a high skill set. Students taking this course will be exposed to the complexities of cosmetology by learning to perform a hair, scalp, and skin analysis. Students will also learn about hair types, face shapes, and color theory. Finally, to effectively prepare students for a career in cosmetology, color techniques with an emphasis on salon and chemical safety is examined.

Prerequisites: Cosmetology II

Duration: 1 semester

Cosmetology III

Cosmetology IV

Building on the prior prerequisite course, students will delve into the realm of hair styling and cutting techniques. Students will explore varieties wigs, extensions, and hairpieces, while also developing knowledge about shampooing and conditioning. Manual curling and the use of chemicals to curl and straighten hair are highlighted in this course as well as safety when working with chemicals. Students can expect to be well versed with a plethora of hair skills upon completion.

Prerequisites: Cosmetology III

Duration: 1 semester

Cosmetology IV

Computer Fundamentals (PEG)

Students learn key skills and programs commonly used in the world of work and in colleges. They develop knowledge of computer basics and use an operating system. They also learn spreadsheet basics, including using data to create charts, and learn how to create and present electronic presentations. Students gain a foundation in using the Internet, including online navigation and search skills and how to use email. Ethics and legal considerations are also covered.

Prerequisites: None

Duration: 1 semester

Computer Fundamentals

Criminology

Students will be given the rare opportunity to climb inside the mind of a criminal and examine the ideas and motivations at work. The mental state of a criminal can be affected by many different aspects of life-psychological, biological, sociological-all of which have differing perspectives and influences. Students will also how the criminal justice system remains committed to upholding the law through diligence and an uncompromising process.

Prerequisites: None

Duration: 1 semester

Criminology

Culinary Arts I

This introductory course will provide you with basic cooking and knife skills while preparing you for entry into the culinary world. Discover the history of food culture, food service, and global cuisines while learning about food science principles and preservation. Finally, prepare for your future by building the professional, communication, leadership, and teamwork skills that are crucial to a career in the culinary arts. Discover how to elevate your culinary skills through the creation of stocks, soups, sauces, and learn baking techniques. Examine sustainable food practices and the benefits of nutrition while maintaining taste, plating, and presentation to truly wow your guests. The last unit in this course explores careers in the culinary arts for ways to channel your newfound passion!

Prerequisites: None

Duration: 2 semesters

Culinary Arts I A
Culinary Arts I B

Culinary Arts II

Culinary Arts II will help you build a strong foundation and grow your knowledge of this exciting industry. In this course, you will explore baking and desserts, learn how to prepare proteins, and study nutrition and safety in the kitchen. You will also enhance your understanding of sustainability in the food industry, learn to prepare meals from a global perspective, and dissect the business of cooking, from managing a kitchen to successfully running a catering company. Discover the delights that await you on this delicious culinary adventure!

Prerequisites: Culinary Arts I

Duration: 1 semester

Culinary Arts II

Cybersecurity

Students will learn about the various parts of a computer, how they work together, and how students can manipulate them to keep their data safe. They will also dive into the tools, technologies, and methods that will help protect them from an attack and discover the many opportunities in the rapidly growing field of cybersecurity. Learn to avoid the various types of cyber attacks, including those to your social media accounts, and to predict the potential legal consequences of sharing or accessing information that you do not have rights to. Dig into these crimes in depth by taking a look at cyber forensics and other cybersecurity careers

Prerequisites: None

Duration: 2 semesters

Cybersecurity A
Cybersecurity B

Early Childhood Education

Children experience enormous changes in the first few years of their lives. They learn to walk, talk, run, jump, read and write, among other milestones. Caregivers can help infants, toddlers, and children grow and develop in positive ways. This course is for students who want to influence the most important years of human development. In the course, students learn how to create fun and educational environments for children; how to keep the environment safe for children; and how to encourage the health and well-being of infants, toddlers, and school-aged children.

Prerequisites: None

Duration: 1 semester

Early Childhood Development

Engineering & Technology, Concepts of

What if you could do the impossible? Engineers understand a lot of things, but the word impossible definitely isn't one of them. Through Concepts of Engineering and Technology, you'll learn how the momentum of science is continually propelling engineers in new directions towards a future full of insight and opportunity. This course explores the different branches of engineering and how problem-solving, sketching, collaboration, and experimentation can change the very fiber of our human lives. This ever-increasing knowledge can also lead to serious ethical dilemmas and the need to discuss where the boundaries of science lie (or even if there should be boundaries). By examining astounding engineering feats and complex ongoing issues, you, too, will begin to question whether the word impossible really exists.

Prerequisites: None

Duration: 1 semester

Engineering & technology

Entrepreneurship, Introduction to

Do you dream of owning your own business? This course can give you a head start in learning about what you'll need to own and operate a successful business of your own. Students will explore creating a business plan, financing a business, and pricing products and services. Students will also learn more about the regulations that apply to businesses, marketing products and services, and the legal and ethical guidelines that govern businesses.

Prerequisites: None

Duration: 1 semester

Introduction to Entrepreneurship

Fashion & Interior Design

In this course, you'll explore what it is like to work in the industry by exploring career possibilities and the background that you need to pursue them. Get ready to try your hand at designing as you learn the basics of color and design then test your skills through hands-on projects. In addition, you'll develop the essential communication skills that build success in any business. By the end of the course, you'll be well on your way to developing the portfolio you need to get your stylishly clad foot in the door of this exciting field.

Prerequisites: None

Duration: 1 semesters

Fashion and Interior Design

Fashion Design (PEG)

Students learn an overview of fashion design and the fashion design industry, including career paths within the field. They analyze the purposes of clothing, and the many influences on clothing choices. They learn about fashion history and current trends, including famous fashion designers. Students analyze the importance of color in fashion design and the selection of clothing for each individual.

Prerequisites: none

Duration: 2 semesters

Fashion Design A Fashion Design B

Game Design I

Are you a gamer? Do you enjoy playing video games or coding? Does the idea of creating and designing your own virtual world excite you? If so, this is the course for you! Tap into your creative and technical skills as you learn about the many aspects involved with designing video games. You will learn about video game software and hardware, various gaming platforms, necessary technical skills, troubleshooting and internet safety techniques, and even the history of gaming. And to top it all off, you'll even have the opportunity to create your very own plan for a 2D video game! Turn your hobby into a potential career and go from simply being a player in a virtual world to actually creating one.

Prerequisites: None

Duration: 1 semester

Game Design I

Health Science I

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.

Prerequisites: None

Duration: 1 semester

Health Science I

Health Science II

Health Science II will show you how to become part of this meaningful vocation. Promoting wellness, communicating with patients, and understanding safety in the workplace are just a few of the essential skills you will learn, all the while becoming familiar with some of the more prominent areas in the field, such as emergency care, nursing, infection control, and pediatrics. You'll learn about some of the inherent challenges faced by this age-old profession and how you can become a significant part of the solution.

Prerequisites: None

Duration: 1 semester

Health Science II

Health Science: Public Health

You will study both infectious and non-communicable diseases as well as learn how we conquer these on a community and global level through various methods, including proper hygiene, sanitation, and nutrition. Explore the role current and future technologies play worldwide as well as consider the ethics and governance of health on a global scale. Discover unique career opportunities, and fascinating real-life situations.

Prerequisites: None

Duration: 1 semester

Health Science: Public Health

Health Science: Nursing

In Health Science II Nursing, you will explore communication and ethics, anatomy and physiology, and the practice of nursing. Learn how to build relationships with individuals, families, and communities 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.

Prerequisites: None

Duration: 1 semester

Health Science: Nursing

Hospitality & Tourism

With greater disposable income and more opportunities for business travel, people are traversing the globe in growing numbers. As a result, hospitality and tourism is one of the fastest growing industries in the world. This course will introduce students to the hospitality and tourism industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other areas. Student will learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field.

Prerequisites: None

Duration: 1 semester

Hospitality and Tourism

International Business

This course provides students a conceptual tool by which to understand how economic, social, cultural, political and legal factors influence both domestic and cross-border business. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations will all be explored in this course. Students will cultivate a mindfulness of how history, geography, language, cultural studies, research skills, and continuing education are important in both business activities and the 21st century.

Prerequisites: None

Duration: 1 semester

International Business

Keyboarding (PEG)

Students learn touch-typing skills with proper finger placement, building both accuracy and speed. Students should be able to type all letters and numbers with 80% or better accuracy at 24 wpm by the end of Keyboarding A. Students should achieve 35 wpm at 90% or better accuracy by the end of Keyboarding B, and this includes typing with punctuation marks and capital letters.

Prerequisites: None

Duration: 2 semesters

Keyboarding A
Keyboarding B

Peer Counseling

This course explains the role of a peer counselor, teaches the observation, listening, and emphatic communication skills that counselors need, and provides basic training in conflict resolution, and group leadership. Not only will this course prepare you for working as a peer counselor, but the skills taught will enhance your ability to communicate effectively in your personal and work relationships.

Prerequisites: None

Duration: 1 semester

Peer Counseling

Personal Finance (PEG)

This course leads students through the basic concepts and practices associated with day to day financial living. Concepts taught will included sound financial practices for making, saving and spending money. Students will become familiar with record keeping, banking and investing, as well as planning for their financial future.

Completion of this course provides a solid foundation in basic handling of finances and an understanding of building and implementing a personal budget.

Prerequisites: None

Duration: 1 semester

Personal Finance

Real World Parenting

The process of parenting is more than just having a child and making sure they eat, sleep and get to school on time. Learn what to prepare for, what to expect, and what vital steps a parent can take to create the best environment and life for their child. 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.

Prerequisites: None

Duration: 1 semester

Real World Parenting

Senior Seminar (PEG)

This course is instructed by the school counselor and is meant to help seniors prepare for graduation and post high school endeavors.

Prerequisites: None

Duration: 1 semester

Senior Seminar

SAT Test Prep

Students build their math, reading, and writing skills through this course. Students can listen to math, verbal and writing tutorials and each tutorial is accompanied by a quiz to test student mastery. The program is highly adaptive and keeps track of a student's strengths and weaknesses. Students have access to a large pool of practice questions and receive instant feedback upon completion of each question. This feedback includes easy-to-understand explanations. Students will also have access to two full-length tests and many other resources.

Prerequisites: None

Duration: 1 semester

SAT Test Prep

Social Media, Introduction

In this course, you'll learn the ins and outs of social media platforms such as Facebook, Twitter, Pinterest, Google+, and more. You'll also discover other types of social media you may not have been aware of and how to use them for your benefit—personally, academically, and eventually professionally as well. If you thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways.

Prerequisites: None

Duration: 1 semester

Introduction to Social Media

Web Design (PEG)

Essential web design skills are learned. Students have choice in the direction to take this course. Students can study HTML or just the design aspects of web site creation.

Prerequisites: None

Duration: 2 semesters

Web Design A

Web Design B

Advanced Placement

About Advanced Placement Courses

Students may opt to take Advanced Placement (AP) courses through a partner program. Students complete AP courses in a separate learning management system and are supported by our partner staff. AP courses are very rigorous courses that do **NOT** allow for the personalization & accommodations that we offer in most of our CMASAS courses. AP courses are regulated by the College Board & the material, curriculum, testing, & assessments are very structured. Students who take these courses must be prepared for strict timelines, highly structured lessons & assessments, as well as many additional hours of outside reading & homework.

To compare AP & honors courses to see which is the right choice for you, please watch this video:

<https://www.cmasas.org/high-school>

Registration Process

Students wishing to take an AP course are required to go through an application process. Please let your PEC know that you would like to take an AP course. Applications must be completed **2 weeks prior to end of open enrollment** to allow time for review, approval, & processing of the AP Application.

Upon approval, students will receive an email with the Acknowledgement and Acceptance of AP Course Terms for electron signature. Once the form has been initialed and signed by both the student and parent/guardian, students will receive login information and information on any additional required materials.

AP Fees

Students will be required to pay the following fees:

- First-time AP Course Fee. One-time fee of \$60 for the first AP course a student take.
- Some courses will also require a materials fee of \$60. Courses requiring this fee will indicate the fee in the description.

Enrollment Windows

Summer 2020 Term

Open Enrollment: June 29, 2020 – July 24, 2020

Courses must be completed by: October 4, 2020

Fall 2020

Open Enrollment: July 27, 2020 – November 6, 2020

Courses must be completed by: January 10, 2021

Spring 2021

Open Enrollment: December 7, 2020 – March 26, 2021

Courses must be completed by: May 30, 2021

Summer 2021

Open Enrollment: April 26, 2021 – June 25, 2021

Courses must be completed by: August 29, 2021

Advanced Placement

AP Calculus

AP Calculus A/B is a mathematics course designed to provide students with the prerequisite skills necessary for the Advanced Placement exam. AP Calculus A students are serious and enthusiastic about learning and are expected to be proactive throughout the entire course. A strong background in Algebra II, Trigonometry, and Pre-Calculus is necessary in order to be successful in this course. The major topics explored in this calculus course include limits and continuity, derivatives and differentiation techniques, related rates, optimization problems, numerous applications, integration and differentiation techniques, differential equations, areas and volumes of bounded regions, arc length, surfaces of revolution, and numerous applications, derivatives of vector-valued and parametrically defined functions, integration by partial fractions, improper integrals, series convergence (Taylor and Maclaurin), L'Hopitals Rule, and numerous applications.

Prerequisites: Algebra II

Materials Fee Required

Duration: 2 semesters

AP Calculus A/B
AP Calculus B/C

AP European History

Students build an understanding of the economic, political, diplomatic, military and social changes that have shaped Western European History from the Renaissance to the present. This course challenges students to read critically, weigh evidence and interpret problems presented by historians. Through assessment and critical analysis of historical documents and interpretations of them, students learn to analyze data, form conclusions, and present well-reasoned, persuasive arguments in written form.

Prerequisites: None

Materials Fee Required

Duration: 2 semesters

AP European History A & B

AP French Language & Culture

This course is designed as an immersion experience **requiring the use of French exclusively**. The online learning coach only uses French to communicate with students. In addition, all the reading, listening, speaking, and writing is in French. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives.

Prerequisites: French III or higher

Duration: 2 semesters

AP French Language & Culture A & B

AP Government

AP Government is a one-semester college level American Government online course offered to students who wish to be academically challenged and take the Advanced Placement exam. It is a survey course that provides an introduction into the operation of American national government. Students will examine the American system of government, political opinions, interests, and organizations, as well as the political institutions of government and their role in the creation and enforcement of national policy, civil liberties and civil rights.

Prerequisites: Senior Status

Materials Fee Required

Duration: 1 semesters

AP Government

AP Human Geography

AP Human Geography is a college-level course designed to prepare students for the AP Human Geography Exam. The goal of the course is to provide students with a geographic perspective through which to view the world. Students will explore geographic concepts, theories and models; human-environment interactions; and interactions among human systems. Topics covered include population, culture, political organization of space, agricultural land use, industrialization, and urban land use.

Prerequisites: None

Duration: 2 semesters

AP Human Geography A & B

AP Language and Composition

This course prepares students for the Advanced Placement Language and Composition Exam administered each May. Students of this online English course will read, write and discuss prose at an advanced college level while using online resources to develop English language skills including sophisticated use of literary elements and terminology, close readings of various texts, creating, drafting, and editing college-level analytical essays, preparing and writing timed essays, and advanced use and mastery of standard English. Emphasis will be placed on the composition process. Grammatical conventions and language in prose will be studied and applied, as well as research and the citation process using MLA format. Both primary and secondary sources will be studied and read as a guide for writing.

Prerequisites: English III

Materials Fee Required

Duration: 2 semesters

AP Language and Composition A & B

AP Literature and Composition

This advanced literature course will engage students in careful reading and analysis of a challenging set of literary works from a range of genres including the novel, short story, poetry, and drama. The focus of the course will be on intensive reading and discussion of the literature, as well introduce secondary critical essays for discussion and evaluation. Emphasis will be placed on thoughtful and cogent analysis of the readings using a variety of theoretical frameworks and devices. This course will also include a writing component that focuses on expository, analytical and argumentative writing about the literature through both discussion and essay format.

Prerequisites: English III

Duration: 2 semesters

AP Literature and Composition A & B

AP Macroeconomics

Students learn the basics of critical thinking, logical fallacies and academic discourse, while preparing to take the AP Exam. Students will gain a thorough understanding of the economic principles that apply to an economic system as a whole. Students learn about scarcity, national income, price determination, economic performance measures, the financial sector, stabilization policies, inflation, unemployment, economic growth, and international economics.

Prerequisites: None

Materials Fee Required

Duration: 1 semesters

AP Macroeconomics

AP Psychology

Students will be introduced to the field of psychology through in-depth learning, discussion, and hands-on activities so that they may have a better understanding of human behavior, the brain, and mental processes as well as prepare students for the AP Psychology Examination. This course also aims at providing its students with the tools to strengthen their skills in critical thinking, presentations, and writing so that they may have future successes in their lives.

Prerequisites: None

Materials Fee Required

Duration: 2 semesters

AP Psychology A & B

AP Spanish Language & Culture

This course is designed as **an immersion experience and is conducted almost exclusively in Spanish**. In addition, all student work, practices, projects, participation, and assessments are in Spanish. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives.

Prerequisites: Spanish III or higher

Duration: 1 semester

AP Spanish Language & Culture A & B

AP Statistics

This course is designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students explore and analyze data using graphical and numerical techniques. They also use probability and statistical inferences to develop an appropriate model for data collected.

Prerequisites: Algebra II

Materials Fee Required

Duration: 2 semesters

AP Statistics A & B

AP United States History

This course provides a general overview of the history of the United States. Topics will include issues relating to the discovery of the New World through the Reconstruction period, focusing on constitutional issues, the Civil War, industrialization, immigration, westward expansion and Indian removal through the early 21st century, focusing on the Industrial Revolution, urbanization, the political realignments of the 1890's, the Progressive Era reforms, World War I, the Great Depression, the New Deal, World War II, the Cold War, the Sixties, Neo-Conservatism, globalization, and the global war on terror.

Prerequisites: None

Materials Fee Required

Duration: 2 semesters

AP United States History A & B

AP World History

This course combines historical thinking skills with the in-depth exploration of major course themes such as the interaction between humans and the environment; development and interaction of cultures; state-building, expansion, and interaction of economic systems; and more. Students engage in reading, writing, and discussion as they trace history from before the Common Era to the present.

Prerequisites: None

Duration: 2 semesters

AP World History A & B

ASU Open Scale Enrollment

About ASU Open Scale Enrollment

Students may opt to take online college level courses through our partnership with Arizona State University. Courses completed through ASU's Open Scale enrollment option fulfill CMASAS graduation requirements and are noted as completed high school courses on our transcript. Each 3-credit college course equals a full high school credit.

For an additional fee, students can also choose to receive college credit for completed courses. In this instance, the course is listed on the CMASAS transcript as high school credit, and students will also have a separate transcript with ASU. Open Scale courses are transferrable to a wide variety of colleges and universities. Check the admissions requirements for the college or university you are interested in attending to be sure if they will accept ASU college credit.

Students complete ASU Open Scale courses in ASU's learning management system and are supported by ASU staff. As college courses, ASU Open Scale offerings are rigorous and do **NOT** allow for the personalization & accommodations that we offer in most of our CMASAS courses. Students who take these courses must be prepared for stricter timelines, highly structured lessons & assessments, as well as many additional hours of outside reading & homework.

Test Proctoring

These courses are offered by ASU for non-admitted students, proctoring and identity assurances are required. To verify identity students will need to have a government issued photo ID. Students will be required to download and install the Remote Proctor Now Software. Instructions for download and install will be included in the registration packet.

Registration Process

Students wishing to take ASU Open Scale courses are required to go through an application process for each course enrollment. Please let your PEC know that you would like to take an Open Scale enrollment course. Applications must be completed **2 weeks prior to end of the enrollment window** to allow time for review, approval, & processing of the Open Scale Application.

Upon approval, students will receive an email with the Acknowledgement and Acceptance of ASU Open Scale Course Terms for electron signature. Once the form has been initialed and signed by both the student and parent/guardian, students will be added to our ASU portal. Students will then receive login information for ASU's student portal and a registration packet with instructions and additional information.

Enrollment Windows

The window for enrolling in and completing concurrent courses varies. Some courses are self-paced and allow students to complete lessons and assignments on their own timeline within a year time period. Others are more structured, and students must complete them within a certain number of weeks. Some courses will offer both self-paced and instructor-led. Enrollment windows will be noted in the description for each course. For instructor-led courses students need to enroll prior to the start date listed below.

About the formats

Self-paced

Self-paced courses allow students to complete course assignments at their own pace, as long as the course is completed within a year (365 days from enrollment). Self-paced courses are great for:

- Students who want to start right away.
- Students who are self-directed and can set and stick to a plan for completing the course.
- Students who may want to either go faster or slower than the instructor-led version.

Instructor-led

Instructor-led courses have a structure with weekly assignment due dates, as well as an instructor guiding a student through the curriculum and content. Instructor-led courses do not have live lectures but rather course material online with assignments having due dates and a cohort of students working through the courses at the same pace. Instructor-led courses are great for:

- Students who prefer a structured timeline with established due dates for assignments.
- Students who enjoy interaction with other students, who will be completing assignments at the same time.
- Students who are taking their first course online and may benefit from greater guidance.

2020-2021 Session Start Dates for Instructor-led Courses

Session duration will determine which start dates are available for each course. Please refer to the course description for duration information and specific start dates. Applications will need to be received by the application deadline in order to take courses in a specific session.

Course Start Dates	Application Deadline
• August 18, 2020	• July 31, 2020
• October 13, 2020	• September 15, 2020
• January 12, 2021	• December 1, 2020
• March 16, 2021	• February 16, 2021
• June 8, 2021	• May 11, 2021

ASU Credit Fee

Once students complete an ASU Open Scale course with a passing grade, they have the option to receive the university credit and have the course listed on their ASU transcripts. The credit fee for ASU Open Scale Courses is \$400 and is paid directly to ASU. Directions for paying this are in the registration packet.

ASU Open Scale Enrollment

Brief Calculus: Calculus for Business & Economics (MAT 210)

This college-level brief calculus course is ideal for students interested in business, economics, or social studies. Topics covered in this course include limits and derivatives of algebraic, logarithmic, and exponential functions; the definite integral; analysis of graphs; optimization; applications of the derivative; and more.

Prerequisites: MAT 117

University Credits: 3 credits

CMASAS Credits: 1 credit (Math)

Duration: Self-paced or Instructor-led (15 weeks)

Start Dates: Aug. 18, 2020 & Jan. 12, 2021

MAT 210: Brief Calculus: Calculus for Business & Economics

Calculus for Engineers I: Calculus with Analytic Geometry for Science and Engineering (MAT 265)

This college-level brief calculus course is ideal for students interested in engineering, mathematics, computer science, physics, chemistry, earth and atmospheric sciences, and life sciences. Topics covered in this course include limits and derivatives and rates of change; continuity; applications of the derivative; linear approximation; accumulation; antidifferentiation; definite integrals; and more.

Prerequisites: MAT 170

University Credits: 3 credits

CMASAS Credits: 1 credit (Math)

Duration: Self-paced or Instructor-led (15 weeks)

Start Dates: Aug. 18, 2020 & Jan. 12, 2021

MAT 265: Calculus for Engineers I: Calculus with Analytic Geometry for Science and Engineering

College Algebra & Problem Solving (MAT 117)

This course teaches the fundamental of algebra and will prepare you for calculus courses. It equips you with the skills to effectively solve problems using algebraic reasoning. What sets this course apart from a standard algebra course is its strong emphasis on the techniques that are used to solve problems. The goal is not to simply teach you mathematical forms but to help you understand the “whys” behind how you are solving problems. Throughout this course, you will be able to participate in discussions with other students and the professor to help build your conceptual understanding of algebra.

Prerequisites: none

University Credits: 3 credits

CMASAS Credits: 1 credit (Math)

Duration: Self-paced or Instructor-led (15 weeks)

Start Dates: Aug. 18, 2020

MAT: 117 College Algebra and Problem Solving

Computer Application & Information Technology (CIS 105)

This course has a dual focus: one focus on organizations and another focus on the individuals who work for them. At the individual level, we will examine how business decision making can be improved when supporting technologies like spreadsheets are leveraged. From the organizational perspective, we will cover strategic analysis frameworks and business strategies that can be fine-tuned for competition in an increasingly digitally transformed world.

Prerequisites: none

University Credits: 3 credits

CMASAS Credits: 1 credit (CTE)

Duration: Instructor-led (8 weeks)

Start Dates: Aug. 18, 2020 & Jan. 12, 2021

CIS 105: Computer Application & Information Technology

English Composition

(ENG 101)

The purpose of this English composition course is to help you improve your ability to communicate and to think critically through writing. This course will help you develop and express ideas effectively for a variety of personal and professional purposes, audiences, and occasions. During the course, you will complete five major written projects, maintain a writer's journal, learn and apply a variety of concepts in the field of rhetoric and composition, and create an ePortfolio where you will showcase your work and your evolving identity as a writer.

Prerequisites: none

University Credits: 3 credits

CMASAS Credits: 1 credit (English)

Duration: Self-paced or Instructor-led (8 weeks)

Start Dates: Aug. 18; Oct. 13, 2020; Jan. 12; Mar 16; June 8, 2021

ENG 101: English Composition

English Research & Writing

(ENG 102)

This course teaches you how to effectively execute a research-based writing project from conception to publication. The course will help you understand discourse and research writing with the goal of creating solutions to issues within your local community. What sets this course apart is that you won't be learning about subjects in an abstract sense; instead, you will identify local problems and research real solutions for these problems.

Prerequisites: none

University Credits: 3 credits

CMASAS Credits: 1 credit (English)

Duration: Instructor-led (8 weeks)

Start Dates: Aug. 18, 2020; Jan. 12; Mar 16; June 8, 2021

ENG 102: English Research & Writing

General Chemistry for Engineers

(CHM 114)

In this course you will learn how atoms and molecules act and interact to make the modern materials that underpin technology and solve engineering challenges. Have you ever wondered what's inside your mobile phone case? Why batteries aren't lighter and have to be recharged? How different colors can be shown on your computer screen? Or why glass shatters when you hit it with a hammer? These, along with other questions of how atoms and molecules combine to make macroscopic materials with desired properties, are at the heart of countless challenges addressed by chemists and engineers every day.

Prerequisites: MAT 170

University Credits: 4 credits

CMASAS Credits: 1.33 credit (Science)

Duration: Instructor-led (8 weeks)

Start Dates: Aug. 18, 2020 & Jan. 12, 2021

CHM 114: General Chemistry for Engineers

Human Origins

(ASM 246)

Human origins explores one of the most important questions in human history: Where did we come from? This course looks at the scientific evidence for evolution and explores how our species fits into the natural world. The course will take you on a fascinating journey through the scientific evidence for human evolution. Dr. Donald Johanson, the paleoanthropologist who found the famous skeleton "Lucy," will guide you through an overview of the hominin fossil record as well as introduce you to evolutionary theory. Take advantage of this unprecedented opportunity to dive deeper into the world of paleoanthropological field research from Dr. Johanson's perspective.

Prerequisites: none

University Credits: 3 credits

CMASAS Credits: 1 credit (Social Studies)

Duration: Instructor-led (8 weeks)

Start Dates: Aug. 18, 2020; Jan. 12; June 8, 2021

ASM 246: Human Origins

Introduction to Engineering

(FSE 100)

In this course you will discover how to become a true engineer by exploring the engineering design processes in a hand-on learning environment. This course actively introduces you to skills and tools that engineers use to solve problems while teaching you to think like an engineer. You will learn to identify opportunities, imagine new solutions to problems, model your creations, make data-driven decisions, build prototypes, and showcase your ideas that will impact the world.

Taught by engineering professors and highlighting industry engineers in action, this course will equip you, as an engineer-in-training, with the skills necessary to compete in today's world of innovation.

Prerequisites: none

University Credits: 2 credits

CMASAS Credits: .66 credit (CTE)

Duration: Instructor-led (15 weeks)

Start Dates: Jan. 12, 2021

FSE 100: Introduction to Engineering

Introduction to Health & Wellness

(EXW 100)

In this course you will learn current concepts in exercise, health, and wellness. You will also gain valuable insight into how to maintain a healthy lifestyle for yourself. You will explore a wide variety of health-related topics including: how to improve your personal fitness, how to take a credible assessment of your personal health, the dietary decisions you need to make to help build a healthy life, how to achieve and maintain a healthy weight, how to manage stress, how to maintain proper sleep hygiene, and more.

Prerequisites: none

University Credits: 3 credits

CMASAS Credits: 1 credit (Health & PE)

Duration: Instructor-led (8 weeks)

Start Dates: Oct 13, 2020; Mar 16; June 8, 2021

EXW 100: Introduction to Health & Wellness

Introduction to Human Communication

(COM 100)

In this course you will learn the basics of effective human communication, which can change the way you interact with others and the world. This course is designed to introduce you to the basic concepts of human communication, processes, and environments. This course surveys communication topics related to culture, identity, organizations, and relationships. By the end of this course, you should have a fuller understanding of appropriate and effective communication based on your knowledge of theoretical concepts and their application.

Prerequisites: none

University Credits: 3 credits

CMASAS Credits: 1 credit (Social Studies)

Duration: Instructor-led (8 weeks)

Start Dates: Aug. 18, 2020; Jan. 12; June 8, 2021

COM 100: Introduction to Human Communication

Introduction to Sociology

(SOC 101)

In this online sociology class, you will learn how individuals both shape and are shaped by their communities. You will learn how individuals both actively impact and are shaped by their communities, and you will explore the formation and persistence of societies that consist of diverse groups of people. You will also gain valuable insight into the dynamics of group relationships, including how to effectively interact with others within a group. Finally, you will learn how the study of sociology applies to your daily life as well as the most pressing social events of our time.

Prerequisites: none

University Credits: 3 credits

CMASAS Credits: 1 credit (Social Studies)

Duration: Instructor-led (8 weeks)

Start Dates: Aug. 18, 2020 & Jan. 12, 2021

SOC 101: Introduction to Sociology

Introduction to Solar Systems Astronomy

(AST 111)

Have you ever looked up at the night sky and marveled at the vastness and complexity of space? You are invited to take a deeper dive into the mind-blowing world of astronomy.

Throughout the course, you will also take a look at nearby stars and learn about the Lowell Observatory, the Challenger Space Center, the Discovery Channel Telescope, and Meteor Crater, the largest meteor impact site in the world. Additionally, you will take a virtual tour of the Lunar Exploration Museum and the home of the Mars Space Flight Facility where scientists are using spacecraft to explore the geology of Mars.

Prerequisites: MAT 117

University Credits: 4 credits

CMASAS Credits: 1.33 credit (Science)

Duration: Instructor-led (8 weeks)

Start Dates: Aug. 18, 2020 & Jan. 12, 2021

AST 111: Introduction to Solar Systems Astronomy

Precalculus

(MAT 170)

In this college-level Precalculus course, you will prepare for calculus by focusing on quantitative reasoning and functions. You'll develop the skills to describe the behavior and properties of linear, exponential, logarithmic, polynomial, rational, and trigonometric functions.

This course tailors content and personalizes the learning experience around your skill level, allowing you to achieve mastery in a certain concept before moving on to the next. Individualized coaching is also provided as you move through each new topic.

Prerequisites: Algebra II

University Credits: 3 credits

CMASAS Credits: 1 credit (Math)

Duration: Self-paced or Instructor-led (15 weeks)

Start Dates: Aug. 18, 2020 & Jan. 12, 2021

MAT 170: Precalculus

Programming for Everyone

(CSE 110)

Every day, computers and algorithms touch the lives of everyone around us in both mundane and profound ways. These algorithms are in the plants and distribution systems that bring you clean water and electricity, sensors that moderate the flow of traffic, in the tractors and combines that sow and harvest our food, and in the satellites that measure and predict the weather trends. If you are curious about what computers can do and how we instruct them to do those things - this course is for you. No prior programming experience is needed for this course.

In addition to exposure to programming, you will gain a powerful set of thinking and problem-solving skills that you can use in your daily life. Start taking advantage of the power of computers around us to make our world a better place.

Prerequisites: none

University Credits: 3 credits

CMASAS Credits: 1 credit (CTE)

Duration: Instructor-led (15 weeks)

Start Dates: Aug. 18, 2020

CSE 110: Programming for Everyone

Technology, Social, & Sustainable Systems

(CEE 181)

Understand the impact of technology on sustainability and society, using relevant historical examples and current issues in the news, and gain insight on the cultural frameworks within which ideas such as sustainability and different technologies are understood and evolve. You'll also explore emerging technologies from the Industrial Revolution through present day, leading to a future that will be complex and challenging, and in many ways look like science fiction.

Prerequisites: none

University Credits: 3 credits

CMASAS Credits: 1 credit (Social Studies)

Duration: Instructor-led (8 weeks)

Start Dates: Oct. 13, 2020

CEE 181: Technology, Social, and Sustainable Systems

Western Civilization

(HST 102)

This first year online history course will take you on a fascinating journey through the history of Europe and the Mediterranean from ancient times through 1500 AD. You will learn about a number of cultures and periods, including:

Egypt and Mesopotamia

Greece

Rome

Judaism

The Byzantine Empire

The Rise of Islam

Medieval Europe

Prerequisites: none

University Credits: 3 credits

CMASAS Credits: 1 credit (Social Studies)

Duration: Instructor-led (8 weeks)

Start Dates: Oct 13, 2020; Mar 16; June 8, 2021

HST 102: Western Civilization

Other Course Offerings

Honors Courses

Honors courses are project-based and work best in the project-based context of PEG created courses. As a result, only PEG curriculum is available for Honors designation unless a partner curriculum is the only option available for the course.

Honors courses require students to engage in activities that develop personal character while also serving their community or beyond. A student can complete a single project or a series of projects, worth a total of 15-20 hours of work. Honors projects should directly relate to the course material in some way but be an opportunity to learn at a greater depth or to expand upon a course concept. Honors project plans are developed by the student, with the guidance of his or her instructor; the plan must be approved by the course instructor.

Personalized Courses

The Personalized Course option allows a student to explore a personal, academic, or career interest area that is not currently offered by the course catalog. The course results in elective credit.

A Personalized Course must be pre-approved by the student's PEC and the instructor who will be overseeing the course. The student submits a proposal, uses feedback to refine, and then completes the course as described in the approved proposal. Changes made mid-course must be pre-approved.

Each semester of a Personalized Course must comprise approximately 90 hours of learning and activities. This time can include both the learning and demonstration of the learning. Reading, researching, completing projects, and other activities related to the class can be counted toward this expected time requirement.

While a course can provide for a learning curve, scaffolding up to a desired level, the ultimate level of learning - as demonstrated by the end of the class- must be at a high school level or above.

Custom Courses

No matter how extensive the catalog offerings, sometimes a student needs a specialty course not currently provided. When a personalized course will not serve this need, another option is available: a custom course.

A custom course is created by an instructional design team and placed into the learning management system (LMS). Custom Courses need to be requested in advance to allow time for the design process and wait time can vary depending on current design projects and whether timelines can be adjusted. A custom course request is not guaranteed to be accepted, but all requests are considered with an eagerness to accommodate. Due to the costs associated with creating a custom course, additional fees apply.

Graduation Requirements

	Minimum CMASAS Graduation Requirements (Standard Diploma)	Minimum CMASAS Graduation Requirements (College Prep Diploma)	Minimum Requirements for Public, Four-Year Colleges & Universities	Recommended Courses for Highly- Selective Colleges & Universities
English	4 credits	4 credits Include balanced program of literature, writing, & speech, communication.	4 credits 3 credits in composition and literature; recommend both American and World literature (including British literature).	4 credits 3 credits in composition and literature; recommend both American and World literature (including British literature).
Mathematics	3 credits Include Algebra I or higher.	3 credits Include Algebra I or higher.	3 credits Through Algebra II or higher.	3 credits Through Pre-Calculus or higher.
Science	3 credits Must include both a physical & life science credit.	3 credits Must include both a physical & a life science credit; must include at least two labs.	3 credits Two credits lab science, 1 credit physical & 1 credit life. At least one of the following: biology, chemistry, or physics.	3-4 credits Include both 1 credit physical lab science (physics and/or chemistry), & 1 credit life science (biology) lab science.
Social Studies	3 credits 1 credit world history, 1 credit U.S. history, 0.5 credit economics, and 0.5 credit government or civics.	3 credits 1 credit world history, 1 credit U.S. history, 0.5 credit economics, and 0.5 credit government or civics.	3 credits To include 1 credit world history, 1 credit U.S. history, 0.5 credit economics, and 0.5 credit government or civics.	3-4 credits To include 1 credit world history, 1 credit U.S. history, 0.5 credit economics, and 0.5 credit government or civics.
World Language & Fine Arts & Career Technical Education	3 credits Any visual or performing art, including music and dance; and/or CTE; and/or world language Must include 0.5 credit of Personal Finance	3 credits Any visual or performing art, including music and dance; and/or CTE; and/or world language Must include 0.5 credit of Personal Finance	2 credits of the same language	3-4 credits of the same language
			1 credit	2-3 credits
Health & Fitness	2 credits Must include a health class (0.5)	2 credits Must include a health class (0.5)	<ul style="list-style-type: none"> Students must earn at least 25% of minimum required graduation credits from CMASAS to qualify for a CMASAS diploma. Students must have a minimum 2.0 grade point average for coursework meeting college entrance requirements. Students should check with their college/university of choice to view their entrance requirements. 	
Electives	2 credits	6 credits		
Total	20 credits	24 credits		