



**COLORADO  
SPRINGS**  
GRADES 6-12

# **Course Catalog**

## **Grades 9-12**

### **2024-2025**

Please note that this catalog provides a comprehensive list of courses that may have been offered previously, currently and/or potentially in future semesters. Please refer to the separate Spring and Fall Course Offering sheets for current courses offered.

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# CEC GRADUATION GUIDELINES

## University Pathway

English | 4 Credits  
Math | 4 Credits  
Science | 3 Credits  
Social Science | 3 Credits  
World Languages | 2 Credits  
College & Career Readiness | .5 Credits  
Academic Electives | 3.5 Credits

## Minimum Graduation Requirements

English | 4 Credits  
Math | 3 Credits  
Science | 2 Credits  
Social Science | 2 Credits  
College & Career Readiness | .5 Credits  
Academic Electives | 8.5 Credits

**Graduation Achievement:** All students must earn either an associate degree, 60 college credits, or a postsecondary, industry credential.

### *English*

Every student will be enrolled in an English class *every semester* until 4 English credits are earned. Completion of any 1000-level college Communication course satisfies the requirement, regardless of credits.

### *Math*

Every student will be enrolled in a math class *every semester* until 3 or 4 math credits are earned (depending on the pathway). Completion of any 1000-level college Math course satisfies the requirement, regardless of credits.

### *Science*

Every student must earn 2-3 science credits (dependent on the pathway).

### *Social Science*

Every student must earn 2-3 social science credits (dependent on the pathway), including Civics or U.S. Government (state requirement). Additional topics on Genocide & Holocaust must be included (state requirement).

### *World Languages*

Every student must complete level II proficiency of a language if following University Pathway.

### *College and Career Readiness*

Every student must earn .5 credit in College and Career Readiness.

### *Academic Electives*

Electives can be completed at the high school or college-level.

# GRADUATION ACHIEVEMENT OPPORTUNITIES

## Associate Degrees

Students can earn a full Associate of Arts (AA) or Associate of General Studies (AGS) degree by taking courses on the CECCS Campus.

## Industry Certificates

### Microsoft Office Specialist Certificate

This certificate is achieved through the Microsoft Academy Course.

### Basic Criminology Certificate

This certificate is earned by completing all three of the following college level Criminal Justice Courses: CRJ 1010, CRJ 2035 and CRJ 2030

### Industry Certificates offered through various courses or Certificate Lab course:

- Intuit - Quickbooks Certified User
- Intuit - Certified Bookkeeping Professional
- Intuit - Personal Finance
- Intuit - Professional Communication
- TestOut- CyberDefense Pro
- TestOut- IT Fundamentals Pro
- TestOut- Network Pro
- TestOut- PC Pro
- TestOut- Linux Pro
- TestOut- Security Pro
- IC3 Global Digital Literacy
- CompTIA- IT Fundamentals+
- CompTIA- Linux+
- CompTIA- Network+
- CompTIA- A+
- CompTIA- Security+
- Entrepreneurship and Small Business

### **Off Campus Opportunities**

Associate degree or additional certificates offered through Pikes Peak State College. These opportunities are based on the Individual Career Action Plan (ICAP) that a student and their CECCS academic advisor has created. **Prior approval is required** for students to pursue any off-campus degree, certificate or to take any off-campus course.

### **CECCS partners with several higher education institutions.**

Pikes Peak State College Catalog 2024-25 : <https://catalog.pikespeak.edu/index.php?catoid=8>

AIMS Community College Catalog 2024-25: <https://catalog.aims.edu/>

University of Colorado at Colorado Springs (UCCS) Catalog: <https://catalog.uccs.edu/>

Colorado State University-Pueblo 2024-25: (limited) <https://catalog.csupueblo.edu/>

# COURSE CATALOG NOTATIONS

Please note that this catalog provides a comprehensive list of courses that may have been offered previously, currently and/or potentially in future semesters. Please refer to the separate Spring and Fall Course Offering sheets for current courses offered.

All courses are semester-long courses. College classes typically meet two to four times a week. These courses are referred to as "college bridge" and are listed with their college course numbers, e.g., PSY1001. High School level courses are referred to as "college prep" classes and meet four days a week. Class periods are 69 minutes long.

## Homework Expectations:

Students taking college level courses should expect an average of 2-3 hours of homework per college credit per week. Expect a heavier workload for classes with 4 or 5 credit hours. For example, a student taking four 3 credit hour college classes (12 credits total) should expect an average of 24-36 hours of studying per week.

## Course Equivalency

College semester credit hours convert to high school semester credits at a rate of 1/3. For example: ENG 1021 worth 3 college credit hours would convert to 1 high school credit.

College Credits	/3	High School Credits
.5	.167	.25
1	.333	.5
2	.667	1
3	1.000	1
4	1.333	1.5
5	1.667	2
6	2.000	2
7	2.333	2.5
8	2.667	3
9	3.000	3

# ENGLISH AND COMMUNICATIONS

## Literature & Composition 060

**Description:** This course focuses on developing a strong foundation in both reading and writing related skills in addition to academic skills such as organization and holding oneself accountable for quality and timely work. The focus will be on communicating in a clear, structured way both verbally and through written work as well as understanding communication from others. This communication will be practiced in many different modes focusing on the various ways reading, writing, listening, and speaking occur in our world.

**Prerequisites:** Placement based on test scores and/or teacher recommendation

**Designation:** College prep

**Credits:** 0.5 High School

## Literature and Composition 090 A

**Description:** This college-prep English course emphasizes critical thinking as students explore writing for specific purposes and audiences. It also enables the student to develop skills required for college-level writing while reviewing paragraph structure and focusing on essay development. Additionally, this course prepares students to read and interpret college-level texts, both fiction and nonfiction. Students will further develop their critical thinking abilities and general powers of analysis while honing an appreciation of literature as art and of the written word and a powerful tool for communicating ideas.

**Prerequisites:** Placement based on NWEA MAP score, NextGen ACCUPLACER score, OR successful completion of 060

**Designation:** College prep

**Credits:** 0.5 High School

## Literature and Composition 090 B

**Description:** Students will learn to read and interpret college-level texts, both fiction and nonfiction. Students will further develop critical thinking abilities and general powers of analysis. Students will hone their appreciation of literature as art and of the written word as a powerful tool for communicating ideas. Additionally, this class focuses primarily on the writing process as students will be writing in response assigned readings. Students will develop skills required for college-level writing while fine tuning essays with focus on higher level vocabulary, word choice, grammar, and mechanics.

**Prerequisites:** Successful completion of 090 A

**Designation:** College prep

**Credits:** 0.5 High School

## Literature & Composition 099

**Description:** This class has three main areas of focus: skills, writing and oral communication. You will spend the semester learning strategies to increase your success, including academic skills like avoiding procrastination, research, study methods and citation. You will also develop a presentation to present to the class at the end of the semester. Writing is the final skill set this class will help you develop. Through scaffolding, you will learn the necessary steps to complete a college-level writing project, completed over the semester.

**Prerequisites:** Successful completion of 090 B

**Designation:** College prep

**Credits:** 0.5 High School

## Speech

**Description:** This course explores a range of public speaking skills, including Introduction, Informational, Persuasive, Recitation. Additionally, students are introduced to basic research skills, argumentation, questioning and rebuttal.

**Prerequisites:**

**Designation:** College Prep

**Credits:** 0.5 High School

## ENG 1021 - English Composition I: GT-CO1

**Description:** Emphasizes the planning, writing, and revising of compositions, including the development of critical and logical thinking skills. This course includes a wide variety of compositions that stress analytical, evaluative, and persuasive/argumentative writing.

**Prerequisites:** Lit & Comp 090 B or Lit & Comp 099; AND/OR college ready ACCUPLACER scores

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

## ENG 0094 – Studio 121 Supplemental Academic Instruction – Concurrent with ENG 1021

**Description:** Integrates and contextualizes reading and writing strategies tailored to co-requisite ENG 1021 coursework.

**Prerequisites:** Lit & Comp 090 B or Lit & Comp 099;

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

## ENG 1022 - English Composition II: GT-CO2

**Description:** Expands and refines the objectives of English Composition I. Emphasizes critical/logical thinking and reading, problem definition, research strategies, and writing analytical, evaluative, and/or persuasive papers that incorporate research.

**Prerequisites:** ENG 1021 with a grade of “C” or better

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

## CID 103 – Speaking & Listening

**Description:** Introduces principles of speaking and listening with emphasis on exposition and its application to public speaking.

**Prerequisites:** None

**Designation:** College Bridge



**College Partner:** Colorado State University - Pueblo

**Credits:** 3.0 College Credits / 1.0 High School

### **CID 221 Interpersonal Communication**

**Description:** The principles and skills of speaking, applied to informal speaking situations. Topics covered include openness, genuineness, and talking appropriately to people.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### **COM 1150 - Public Speaking**

**Description:** Combines the basic theories of communication with public speech performance skills. Emphasis is on speech preparation, organization, support, audience analysis, and delivery.

**Prerequisites:** Recommendation - College ready English ACCUPLACER scores

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### **COM 1250 - Interpersonal Communication: GT-SS3**

**Description:** Examines the communication involved in interpersonal relationships occurring in family, social, and career situations. Relevant concepts include self-concept, perception, listening, nonverbal communication, and conflict.

**Prerequisites:** Recommendation - College ready English ACCUPLACER scores

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### **LIT 1015 - Introduction to Literature: GT-AH1 (Fall Only)**

**Description:** Introduces fiction, poetry, and drama. This course emphasizes active and responsive reading.

**Prerequisites:** College ready English ACCUPLACER scores

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

# MATH

## Peak Studio (Math Content Lab)

**Description:** This class is designed to support students enrolled in Pre-Algebra through multiple methods of instruction. This course aligns to Pre-Algebra and is competency based. Individually, deficient mathematical concepts are identified and become the focus of learning for students to gain mastery.

**Prerequisites:** Pre-Algebra as determined by ACCUPLACER scores or by teacher/advisor recommendation

**Designation:** College Prep

**Credits:** 0.5 High School

## Pre-Algebra (060)A and B

**Description:** This course includes the vocabulary, basic operations, and applications of fractions, positive and negative numbers, algebraic expressions, proportions, percents, the solution of basic first-degree equations, and word problems.

**Prerequisites:** Placement based on test scores and/or teacher recommendation

**Designation:** College Prep

**Credits:** 0.5 High School

## Algebra I A (090A)

**Description:** This course covers the vocabulary, operations, and applications of exponents, polynomials, factoring, graphing, and linear equations and inequalities. The course will cover chapters 5,7, and 8 in the text. Special topics units will also cover probability/statistics concepts to ensure that we are meeting CDE standards and requirements.

**Prerequisites:** Pre-Algebra or appropriate ACCUPLACER scores

**Designation:** College Prep

**Credits:** 0.5 High School

## Algebra I B (090B)

**Description:** This course covers the vocabulary, operations, and applications of exponents, polynomials, factoring, graphing, linear equations, and inequalities. The course will cover chapters 5,7, and 8 in the text. Special topics units will also cover probability/statistics concepts to ensure that we are meeting CDE standards and requirements.

**Prerequisites:** Pre-Algebra or appropriate ACCUPLACER scores

**Designation:** College Prep

**Credits:** 0.5 High School

## Geometry

**Description:** This course includes, among other things, properties of geometric figures, trigonometric relationships, and reasoning to justify conclusions. Methods of justification will include proofs. A gradual development of formal proof will be encouraged. Emphasis on two- and three-dimensional reasoning skills and the use of geometric models will be used to solve problems. A variety of applications and some general problem-solving techniques, including algebraic skills, will be used. Technology tools will be used to assist in

teaching and learning. Statistics concepts will include mean, median and mode; standard deviation and z-score; and probabilities.

**Prerequisites:** Algebra I

**Designation:** College Prep

**Credits:** 0.5 High School

### Algebra II A (099A)

**Description:** This course covers further studies in algebra, emphasizing problem solving; interpretation and application of expressions; equations and inequalities including systems; graphing; and quadratics and polynomials as time permits.

**Prerequisites:** Algebra I

**Designation:** College Prep

**Credits:** 0.5 High School

### Algebra II B (099B)

**Description:** This course further studies algebra, emphasizing problem solving; interpretation and application of rational expressions and equations; radicals; quadratics; and logarithms as time permits, in reference to solving equations, simplifying expressions, and graphing.

**Prerequisites:** Algebra I

**Designation:** College Prep

**Credits:** 0.5 High School

### Financial Literacy

**Description:** Students will learn basic financial literacy and career skills to help them make responsible financial decisions. Such skills will include banking, taxes, loans, and insurance. Students will gain the information and skills to implement a life-long plan for financial success.

**Prerequisites:** Algebra I

**Designation:** College Prep

**Credits:** 0.5 High School

### MAT1240- Math for Liberal Arts GT-MA1

**Description:** Highlights connections between mathematics and the society in which we live and is intended for liberal arts majors. Topics include set theory and logic, mathematical modeling, probability and statistical methods, and consumer mathematics.

**Prerequisites:** Completion of Algebra 090 (Algebra I) with a grade of "C" or better; or equivalent ACCUPLACER placement scores

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 4.0 College Credits / 1.5 High School

### MAT 1340 - College Algebra: GT-MA1

**Description:** Focuses on various functions and the exploration of their graphs. Topics include equations and inequalities, operations of functions, exponential and logarithmic functions, linear and non-

linear systems, and an introduction to conic sections. This course provides essential skills for Science, Technology, Engineering, and Math (STEM) pathways.

**Prerequisites:** Algebra II on high school transcript AND college ready math ACCUPLACER scores

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 4.0 College Credits / 1.5 High School

### **MAT 1420 - College Trigonometry: GT-MA1**

**Description:** This course explores trigonometric functions, their graphs, inverse functions, and identities. Topics include trigonometric equations, solutions of triangles, trigonometric form of complex numbers, and polar coordinates. This course provides essential skills for Science, Technology, Engineering, and Math (STEM) pathways.

**Prerequisites:** MAT 1340 with a grade of “C” or better; or equivalent ACCUPLACER placement scores

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### **MAT 1440 – Pre-Calc: GT-MA1**

**Description:** Extends algebraic concepts and explores the subject of trigonometry. Topics include polynomial, rational, logarithmic, and exponential functions, trigonometric and inverse trigonometric functions and their graphs, trigonometric identities, and applications. This course provides essential skills for Science, Technology, Engineering, and Math (STEM) pathways.

**Prerequisites:** MAT 1340 with a grade of “C” or better; or equivalent ACCUPLACER placement scores

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 5.0 College Credits / 2.0 High School

### **MAT 2410 - Calculus I: GT-MA1**

**Description:** Introduces single variable calculus and analytic geometry. Includes limits, continuity, derivatives, and applications of derivatives as well as indefinite and definite integrals and some applications.

**Prerequisites:** MAT 1420 or MAT 1440 with a grade of “C” or better; recommend both MAT 1420 and MAT 1440.

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 5.0 College Credits / 2.0 High School

# SCIENCE

## Earth Science w/ Lab A & B

**Description:** This college preparatory laboratory science course covers the interactions between the major Earth systems; hydrosphere, geosphere, atmosphere, and biosphere. It also covers selected topics on space including the planets, asteroids and meteors, black holes, and the history of the United States Space Program. The course will cover themes such as geology, topography and map making, fresh and saltwater systems, climate, and weather. Students will be engaged in learning through laboratory investigation, lecture, hands-on-activities, guided-inquiry, independent research, project-based learning, and more. The overall purpose of this course is to facilitate content mastery necessary to be successful in college level science. Traditionally taken as a year-long course.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

## Physical Science w/ Lab A & B

**Description:** This college preparatory laboratory science course provides students with an introduction to chemistry and physics. The course will cover themes such as atomic theory, the phases of matter, chemical reactions, the Laws of Thermodynamics, Newtonian physics, basic kinematics, and magnetism. This course is characterized by a wide variety of learning activities with the intent of allowing students to practice scientific reasoning skills and improving their scientific literacy. This course uses conceptual modeling, laboratory investigation, hands-on-activities, guided-inquiry and project-based learning to provide students with a firm understanding of the basics of chemistry in order to prepare them to be successful in Chemistry 090. Traditionally taken as a year-long course

Prerequisites: None

**Designation:** College Prep

**Credits:** 0.5 High School

## Biology w/ Lab A & B

**Description:** This college preparatory laboratory science course covers the most important aspects of biology related to living organisms and their interrelatedness. The course will cover themes such as ecology, the chemistry of biology, cells, cellular energy, cellular reproduction, genetics, DNA, etc. This course is characterized by a wide variety of learning activities with the intent of allowing students to practice scientific reasoning skills and improving their scientific literacy. Students will be engaged in learning through laboratory investigation, lecture, hands-on-activities, guided-inquiry, independent research, project-based learning and more. The overall purpose of this course is to facilitate content mastery necessary to be successful in college level biology. Traditionally taken as a year-long course.

**Prerequisites:** concurrent enrollment with Algebra I or higher; successful completion of Biology A required for Biology B

**Designation:** College Prep

**Credits:** 0.5 High School

## Chemistry w/ Lab A & B

**Description:** This college preparatory laboratory science course covers the most important aspects of chemistry related to matter and its properties and changes. The course will cover themes such as atomic structure, chemical

bonding, naming and formula writing of chemical compounds, chemical reactions, stoichiometry, thermochemistry, etc. This course is characterized by a wide variety of learning activities with the intent of allowing students to practice scientific reasoning skills and improving their scientific literacy. Students will be engaged in learning through laboratory investigation, lecture, hands-on-activities, guided-inquiry, independent research, project-based learning and more. The overall purpose of this course is to facilitate content mastery necessary to be successful in college level chemistry. Traditionally taken as a year-long course.

**Prerequisites:** Algebra I and concurrent enrollment in Lit/Comp 090 or higher; successful completion of Chemistry A required for Chemistry B

**Designation:** College Prep

**Credits:** 0.5 High School

### Health Science A & B

**Description:** Health Science is a year-long course that helps individuals build the career-relevant skills needed for the modern healthcare workplace. Written, oral, professional, and technical skills will be developed as well as the best safety and ethical practices. Healthcare-focused knowledge will include medical terminology, anatomy and physiology, body systems, diseases, disorders, legal responsibilities, and cultural considerations. Students that take this course will have the opportunity to become certified in CPR and to earn the National Health Science Certification. Traditionally taken as a year-long course.

**Prerequisites:** None; successful completion of Health Science A required for B

**Designation:** College Prep

**Credits:** 0.5 High School

### Horticulture

**Description:** Students will participate in project-based learning in order to demonstrate their understanding of how to grow different types of flora. Students will develop safety skills by using gardening tools to assist with planting. Students will explore plant anatomy and physiology. Students will explore careers based in horticulture. Students will develop community and teamwork through group projects and assignments.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

### PLTW: Principles of Biomedical Sciences A & B

**Description:** From design and data analysis to outbreaks, clinical empathy, health promotion, and more, students explore the vast range of careers in biomedical sciences. Students develop not just technical skills, but also in-demand, transportable skills that they need to thrive in life and career.

**Prerequisites:** None; successful completion of Principles of BioMed A required for B

**Designation:** College Prep

**Credits:** 0.5 High School

### PLTW: Human Body Systems A & B

**Description:** Students experience real-world scenarios and cases to see medicine in action – as they diagnose and provide treatment and rehabilitation to patients at an outpatient center, keep clients safe and healthy on adventure medicine trips in remote locations, and work in a research center to design laboratory investigations to explore

development and aging.

**Prerequisites:** None; successful completion of Human Body Systems A required for B

**Designation:** College Prep

**Credits:** 0.5 High School

### **BIO 1005 – Science of Biology w/ Lab: GT-SC1**

**Description:** Examines the basis of biology in the modern world and surveys the current knowledge and conceptual framework of the discipline. Explores biology as a science, a process of gaining new knowledge, and the impact of biological science on society. This course includes laboratory experience. Designed for non-science majors.

**Prerequisites:** Recommend college ready English and Math ACCUPLACER scores

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 4.0 College Credits / 1.5 High School

### **BIO 1111 - General College Biology I w/Lab: GT-SC1**

**Description:** Examines the fundamental molecular, cellular, and genetic principles characterizing plants and animals. Includes cell structure and function and the metabolic processes of respiration and photosynthesis, as well as cell reproduction and basic concepts of heredity. This course includes laboratory experience.

**Prerequisites:** College ready English and Math ACCUPLACER scores

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 5.0 College Credits / 2.0 High School

### **BIO 1112 - General College Biology II with Lab: GT-SC1 (Spring Only)**

**Description:** A continuation of Biology I. Includes ecology, evolution, classification, structure and function in plants and animals. This course includes laboratory experience.

**Prerequisites:** BIO 1111 with a grade of "C" or better

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 5.0 College Credits / 2.0 High School

### **BIOL 100 & BIOL 100L Principles of Biology and Lab: GT-SC2**

**Description:** Introduction to basic principles common to all facets of biology. Topics include a brief history of biology, the scientific method, the diversity of life, cell structure and reproduction, and metabolism.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Colorado State University – Pueblo

**Credits:** 4 College Credits/ 2.0 High School

### **ENV 1111 – Science of Biology w/ Lab: GT-SC1**

**Description:** Examines the basis of biology in the modern world and surveys the current knowledge and conceptual framework of the discipline. Explores biology as a science, a process of gaining new knowledge,

and the impact of biological science on society. This course includes laboratory experience. Designed for non-science majors.

**Prerequisites:** Recommend college ready English and Math ACCUPLACER scores

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 4.0 College Credits / 1.5 High School

### **BIOL 121 & BIOL 121L – Environmental Conservation: GT-SC2**

**Description:** Historical review of humankind's interrelationship with and impact on the natural environment. Basic principles of ecology and current issues relating to the use of natural resources and environmental problems. The lab portion has field studies to accompany BIOL 121.

**Prerequisites:** Recommend college ready English and Math ACCUPLACER scores

**Designation:** College Bridge

**College Partner:** Colorado State University – Pueblo

**Credits:** 4.0 College Credits / 1.5 High School

### **GEO 1011 - Physical Geography: Landforms w/Lab GT-SC1**

**Description:** Examines the principles of Earth's physical processes, emphasizing landforms, soils, and hydrology. Examines the formation and distribution of landforms, such as mountains, valleys, and deserts, and their shaping by fluvial and other processes.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 4.0 College Credits / 1.5 High School

### **GEO 1012 - Physical Geography: Weather, Climate, and Ecosystems w/Lab GT-SC1**

**Description:** Introduces the principles of meteorology, climatology, ecology, and regional climate classification. The course investigates the geographic factors which influence climate and ecosystems such as topography, elevation, winds, ocean currents, and latitude.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 4.0 College Credits / 1.5 High School



# SOCIAL SCIENCE

## Civics

**Description:** This course is a basic overview of the foundations and structure of the U.S. government. Topics include the Constitution, checks & balances, the evolution of the U.S. political system, and citizenship in the community. This course meets the Government/Civics studies required for high school graduation. This course also meets the Colorado Holocaust and Genocide studies required for high school graduation.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

## Geography

**Description:** This course is a basic overview of the natural physical features, and cultures of the world. Topics include map skills, lands and waters, climates, environmental issues, and a cultural, historical, political overview of the countries of the world.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

## United States History A

**Description:** Students will survey the development of U.S. History as a country from Exploration through the Civil War highlighting cultural exchanges, colonization, U.S. Independence, the formation of our government, territorial expansion of the U.S. up to 1865, slavery, and the Civil War

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

## United States History B

**Description:** U.S. History topics will include Reconstruction, industry and farming, American Imperialism, World War I, the Roaring Twenties, the Depression, World War II, the Cold War, the Civil Rights Movement, Vietnam and the Sixties, Watergate, the Seventies, and up to current day. This course meets the Colorado Holocaust and Genocide studies required for high school graduation.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

## HIS 1210 - US History to Reconstruction: GT-HI1

**Description:** Explores trends within events, peoples—including Native American—groups, ideas, and institutions in North America and the United States to Reconstruction. This class focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity.

**Prerequisites:** College ready English ACCUPLACER scores; recommend completion of ENG 1021

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### **HIS 1220 – United States History Since the Civil War: GT-HI1**

**Description:** Explores trends within events, peoples, groups, ideas, and institutions since the American Civil War. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This course meets the Colorado Holocaust and Genocide standards required for high school graduation.

**Prerequisites:** College ready English ACCUPLACER scores

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### **HIS 1120 – The World: 1500-Present: GT-HI1**

**Description:** Explores trends within events, peoples, groups, ideas, and institutions in World History since 1500 as well as on common cultural trends. This course focuses on developing, practicing, and strengthening skills historians use while constructing knowledge and studying a diverse set of narratives through perspectives such as gender, class, religion, and ethnicity. This course meets the Colorado Holocaust and Genocide standards required for high school graduation.

**Prerequisites:** College ready English ACCUPLACER scores

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### **ART 1110 - Art Appreciation: GT-AH1**

**Description:** Introduces the cultural significance of the visual arts, including media, processes, techniques, traditions, and terminology.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### **CRJ 1010 – Introduction to Criminal Justice: GT-SS3**

**Description:** Introduces the basic components of the criminal justice system in the United States. Concepts of crime, crime data, victimization, perspectives and views of crime, theory, and law are discussed. Particular attention to the criminal justice process, interaction and conflict between criminal justice agencies, and current criminal justice issues are examined.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### **CRJ 2030 - Criminology (Spring Only)**

**Description:** Provides an introduction to the study of crime, understanding the causes of crime, and

examines theoretical frameworks and theories to explain criminal behavior. Examination of the nature of crime, crime victimization, crime patterns, types of crime, crime statistics, and criminal behavior is also included.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### **CRJ 2035 – Delinquent Behavior (Fall Only)**

**Description:** Introduces the basic components of the criminal justice system in the United States. Concepts of crime, crime data, victimization, perspectives and views of crime, theory, and law are discussed. Particular attention to the criminal justice process, interaction and conflict between criminal justice agencies, and current criminal justice issues are examined.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### **ECO 2001 – Principles of Macroeconomics: GT-SS1**

**Description:** Focuses on the study of the national economy, emphasizing business cycles and long-run growth trends. Explores how macroeconomic performance is measured, including Gross Domestic Product and labor market indicators. Examines the saving-investment relationship and its relationship to Aggregate Supply and Aggregate Demand. Discusses money and banking, international trade, fiscal and monetary policy. Explores the macroeconomic role of the public sector.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### **ECO 2002 – Principles of Microeconomics: GT-SS1**

**Description:** Focuses on the study of the national economy, emphasizing business cycles and long-run growth trends. Explores how macroeconomic performance is measured, including Gross Domestic Product and labor market indicators. Examines the saving-investment relationship and its relationship to Aggregate Supply and Aggregate Demand. Discusses money and banking, international trade, fiscal and monetary policy. Explores the macroeconomic role of the public sector.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### **ECO 201 – Principles of Macroeconomics: GT-SS1**

**Description:** Applications oriented approach to understanding the economy including monetary policy, deficits and surpluses, international issues; fundamental differences between liberal and conservative economic policies.

**Prerequisites:** None  
**Designation:** College Bridge  
**College Partner:** Colorado State University - Pueblo  
**Credits:** 3.0 College Credits / 1.0 High School

### **ECO 202 – Principles of Microeconomics: GT-SS1**

**Description:** Illustrates how firms make price, wage and profit maximizing decisions. Other topics include market performance, market failure, environmental issues and government intervention.

**Prerequisites:** None  
**Designation:** College Bridge  
**College Partner:** Colorado State University - Pueblo  
**Credits:** 3.0 College Credits / 1.0 High School

### **GEO 1005 – World Geography: GT-SS2**

**Description:** Examines the spatial distribution of environmental and societal phenomena in the world's regions. Environmental phenomena include topography, climate, and natural resources. Societal phenomena include patterns of population and settlement, religion, ethnicity, language, and economic development. This course also analyzes the characteristics that define world regions and distinguishes them from each other. This course examines the relationships between physical environments and human societies, and examines globalization, emphasizing the geopolitical and economic relationships between more developed and less developed regions.

**Prerequisites:** None  
**Designation:** College Bridge  
**College Partner:** Pikes Peak State College  
**Credits:** 3.0 College Credits / 1.0 High School

### **GEO 1006 – Human Geography: GT-SS2**

**Description:** Introduces geographic perspectives and methods in the study of human societies by examining the spatial characteristics of populations, language, religion, ethnicity, politics, and economics. This course examines the relationships between physical environments and human societies.

**Prerequisites:** None  
**Designation:** College Bridge  
**College Partner:** Pikes Peak State College  
**Credits:** 3.0 College Credits / 1.0 High School

### **GEOG 103 – World Regional Geography: GT-SS2**

**Description:** The interconnectivity and interrelationship of the world regions by stressing physical, economic development, agricultural, cultural and population characteristics. Strengthening of one's mental world map.

**Prerequisites:** None  
**Designation:** College Bridge  
**College Partner:** Colorado State University – Pueblo  
**Credits:** 3.0 College Credits / 1.0 High School

### **HUM 1015 – World Mythology: GT-AH2**

**Description:** Introduces an interdisciplinary approach to world mythology. This course illustrates and connects common themes in mythology to world religion, philosophy, art, literature, music, and contemporary culture using various interpretive methods.

**Prerequisites:** None. Recommend college ready English Accuplacer scores

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### **MAE 101 - Media & Society: GT-SS3**

**Description:** Survey course that examines the historical, sociological, economic, technological, and ethical foundations of mediated communication from a social scientific perspective.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Colorado State University – Pueblo

**Credits:** 3.0 College Credits / 1.0 High School

### **MAE 140 - Introduction to Film**

**Description:** Provides an introduction to the study of film as an art form and a medium of cultural communication. It is a survey of the major developments, movements, and critical approaches in cinema.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Colorado State University – Pueblo

**Credits:** 3.0 College Credits / 1.0 High School

### **POLS 101 - American National Politics: GT-SS1**

**Description:** Basic processes in American politics. Principles and structure of national governments. This course meets the Colorado Graduation Requirement for Civics.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Colorado State University – Pueblo

Equivalent Course at PPSC is PSC 1011 – American Government

**Credits:** 3.0 College Credits / 1.0 High School

### **POLS 102 - State & Local Government: GT-SS1**

**Description:** Behavioral aspects, government organization and inter-relationships of state and local politics, relations with federal government and other states. Special attention to the Colorado government. This course meets the Colorado Graduation Requirement for Civics.

**Prerequisites:** College ready English ACCUPLACER scores

**Designation:** College Bridge

**College Partner:** Colorado State University – Pueblo

Equivalent Course at PPSC is PSC 1025 – American State & Local Government

**Credits:** 3.0 College Credits / 1.0 High School

### **PSY 1001 - General Psychology I: GT-SS3**

**Description:** Focuses on the scientific study of behavior including motivation, emotion, physiological psychology, stress and coping, research methods, consciousness, sensation, perception, learning, and memory.

**Prerequisites:** College ready English ACCUPLACER scores

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### **PSY 2440 - Human Growth and Development: GT-SS3**

**Description:** Examines human development from conception through death, emphasizing physical, cognitive, emotional, and psychosocial factors.

**Prerequisites:** College ready English ACCUPLACER scores

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### **PSY 2552 - Abnormal Psychology: GT-SS3**

**Description:** Examines abnormal behavior and its classification, causes, treatment, and prevention.

**Prerequisites:** College ready English ACCUPLACER scores

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

# WORLD LANGUAGES

## Spanish I A & B

**Description:** Spanish 1A covers introductory vocabulary and phrases related to hobbies and activities, school, food and culture. Special units will address additional concepts in order to fulfill CDE state standards and language-comprehension needs that correlate to specific classes and students. This course covers vocabulary and phrases related to places in the community, family and home life, and culture. Special units will address additional concepts in order to fulfill CDE state standards and language-comprehension needs that correlate to specific classes and students. This is traditionally a year-long course.

**Prerequisites:** None; successful completion of Spanish I A required for Spanish I B

**Designation:** College Prep

**Credits:** 0.5 High School

## Spanish II A & B

**Description:** Spanish 2A covers vocabulary and dialogue related to shopping and commerce, travel, caring for the environment, entertainment, and technology. Special units will address additional concepts in order to fulfill CDE state standards and language-comprehension needs that correlate to specific classes and students. Spanish 2B is the second semester of the Spanish II series. Spanish 2B covers vocabulary and dialogue related to school and after-school activities, home life, and being out in the community. Special units will address additional concepts in order to fulfill CDE state standards and language-comprehension needs that correlate to specific classes and students. This is traditionally a year-long course.

**Prerequisites:** Spanish I; successful completion of Spanish II A required for Spanish II B

**Designation:** College Prep

**Credits:** 0.5 High School

## ASL 1121 - American Sign Language I

**Description:** Exposes the student to American Sign Language. Readiness activities are conducted focusing on visual/receptive skills and basic communication. Utilizes the direct experience method. Students must complete this course with a grade of B or higher or pass the ASL proficiency test with a score of at least 80% or better prior to registering for [ASL 1122](#) if planning to enroll in the Interpreter Preparation Program.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 5.0 College Credits / 2.0 High School

## ASL 1122 - American Sign Language II

**Description:** Develops a basic syntactic knowledge of American Sign Language (ASL), basic vocabulary, and basic conversational skills. Incorporates vital aspects of deaf culture and community. The direct experience method is used to enhance the learning process. Students must complete this course with a grade of B or higher or pass the [ASL 1121](#) proficiency test at 80% or better prior to acceptance into the Interpreting and Transliterating Preparation program.

**Prerequisites:** Grade of B or higher or passing the ASL 1121 proficiency exam

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 5.0 College Credits / 2.0 High School

### ASL 101 – American Sign Language I

**Description:** Exposes the student to American Sign Language. Readiness activities are conducted focusing on visual/receptive skills and basic communication. Utilizes the direct experience method.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Colorado State University – Pueblo

**Credits:** 3.0 College Credits / 1.0 High School

### ASL 102 – American Sign Language II

**Description:** Develops a basic syntactic knowledge of American Sign Language (ASL), basic vocabulary, and basic conversational skills. Incorporates vital aspects of deaf culture and community. The direct experience method is used to enhance the learning process.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Colorado State University – Pueblo

**Credits:** 3.0 College Credits / 1.0 High School



# COLLEGE AND CAREER READINESS

## College and Career Readiness

**Description:** This course is designed to empower students to be successful in high school, college, and their chosen career. Students will navigate how to learn about financial literacy, their personal strengths, choose a career, research, and prepare for their post-secondary pathways, apply for a job and gain experience to build their future.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

## BUS 1015 - Introduction to Business

**Description:** Introduces the application of fundamental business principles to local, national, and international forums. This course examines the relationship of economic systems, governance, regulations, and law upon business operations. It surveys the concepts of career development, business ownership, finance and accounting, economics, marketing, management, operations, human resources, regulations, and business ethics.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

# ELECTIVES COLLEGE PREP (HIGH SCHOOL)

## Art

**Description:** This course investigates the various approaches and media that students need to develop drawing skills and visual perception. Students will explore value, space, color, and composition through the completion of individual art assignments.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

## Choir

**Description:** Concert Choir is an ensemble dedicated to the advancement of vocal talents through the use of aural and harmonic theory to prepare students for a required end of semester concert. Students will receive a vocal music refresher course as part of the Concert Choir course at the beginning of the semester dedicated to music notation, solfege, and proper singing practices prior working as an ensemble. Students will be graded based upon their participation in the class through rehearsals and performances.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

## Cooking

**Description:** This course equips students with the tools to grow their confidence, abilities, and investment in the kitchen while helping them to investigate their personal connections to food and cooking. Students will use choice-based recipes to build their kitchen skills and reflective practices throughout the learning process. This course seeks to empower students to be present in the kitchen, to be curious about their own learning process, and to enjoy food in all its forms. Students will develop practical kitchen skills, a curiosity-driven approach to food, and a deepened connection to the dishes and recipes that are meaningful to them and their family members.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

## Computer: Microsoft Academy

**Description:** Microsoft Academy provides students with industry-aligned curricula and certifications to build competencies and validate skills for high-demand technologies related to the productivity suites of Outlook, Word, PowerPoint, Excel, and Access. The objective of this structured, semi-self-paced class is for students to earn Internationally recognized certifications in various productivity suites offered by Microsoft.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

## Computer: IT Fundamentals

**Description:** IT Fundamentals helps individuals build the essential career-relevant skills needed for the modern workplace. It is an introduction to Information Technology and how computers fit into many jobs and careers. The courses are delivered via a personalized, mobile-based learning management system. The platform delivers a meaningful learning experience and provides users with a customized study schedule and detailed instructional content. Students who take this class have the opportunity to earn industry certifications through TestOut. Additionally, students who are successful in preparation tests will have the opportunity to prepare for the CompTIA – ITF+ certification.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

### Computer: PC Pro

**Course Description:** Students in PC Pro will continue their learning journey started in IT Fundamentals. PC Pro is for students who are considering a potential career in the computer science field. Key topics covered will include but are not limited to: emphasizing the technologies and skills IT pros need to support a hybrid workforce; increased reliance on SaaS applications for remote work, how to remotely diagnose and correct common software, hardware or connectivity problems, evolving core technologies from cloud virtualization and IoT device security to data management and scripting, multiple operating systems, when to use them and how to keep them running properly.

**Prerequisites:** IT Fundamentals Pro course completion and TestOut Certification earned for IT Fundamentals Pro

**Designation:** College Prep

**Credits:** 0.5 High School

### Computer: Network Pro

**Course Description:** This is an upper-level computer science course. By the end of this course, students should learn skills related to: Networking Fundamentals, Network Implementations, Network Operations, Network Security, Network Troubleshooting

**Prerequisites:** PC Pro course completion and TestOut Certification earned for PC Pr

**Designation:** College Prep

**Credits:** 0.5 High School

### Computer: Security Pro

**Course Description:** Students in Security Pro will learn the baseline skills necessary to perform core security functions and pursue an IT security career. Key Topics covered will include but are not limited to: monitoring and securing networks in the cloud, on mobile devices, and over networks from attacks, threats, & vulnerabilities. Topics related to the implementation of Security using PKI, Basic Cryptography, wireless and wired networks, and end-to-end security will also be covered. Students will also learn about different governing regulations related to risks in the field (PCI-DSS, SOX, HIPAA, GDPR, FISMA, NIST, and CCPA). In addition, students will learn basic incident response procedures, such as basic threat detection, risk mitigation techniques, security controls, and basic digital forensics.

**Prerequisites:** PC Pro course completion and TestOut Certification earned for PC Pro

**Designation:** College Prep

**Credits:** 0.5 High School

### **Computer: Cyber Defense**

**Description:** This is an upper-level computer science course. By the end of this course, students should be able to: Leverage intelligence and threat detection techniques, Analyze and interpret data, identify, and address vulnerabilities, suggest preventative measures, effectively respond to and recover from incidents. Additionally, students who are successful in preparation tests will have the opportunity to prepare for the CompTIA – CySA+ certification.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

## Computer: Certification Lab

**Description:** Certification Labs are a designated class period for students to work on earning a certification needed to meet graduation requirements. Certification labs are either two or four days per week depending on the amount of time needed to complete the certification. Students are placed in certification labs with advisor approval. Students will meet with their advisors to determine which certifications they need to complete to meet various requirements. These certifications may count as their graduation achievement and could help students to earn college credit hours through Prior Learning Assessment (PLA credit). Certification Labs are self-paced with weekly minimum pacing expectations. Once a student has earned the certificate(s) they are in the certification lab for, they must prove that PLA submissions have been completed, if needed, by sending their unofficial transcript to their advisor and then meeting with the advisor to be end dated in the course.

**Prerequisites:** None

**Designation:** College Prep (Pass/Fail)

**Credits:** 0.5

Name of Certificate	PLA Equivalent Course (as of Fall 2024 at PPSC)
Adobe Illustrator	NO
Adobe Photoshop	NO
Basic Life Support - American Heart Association	HPR1011
CompTIA - A+ Core 1	CNG 1021
CompTIA - A+ BOTH	CNG 1020 OR CIS 1024 & CIS 2063
CompTIA - A+ Core 2	CNG 1022
CompTIA - CyberSecurity Analyst	CNG 2057
CompTIA - ITF +	CIS 1024, CIS 1015
CompTIA - Network +	CNG 1001, CNG 1004
CompTIA - Linux +	CNG 2002 OR CIS 2023
CompTIA - Security +	CNG 1031, CNG 1032
IC3 - Global Standard 5 - Master	CIS 1018
IC3 - Global Standard 5 - Key Apps	NO
IC3 - Global Standard 5 - Living Online	NO
IC3 - Global Standard 5 - Computing Fundamentals	NO
IC3 - Global Standard 5 - Master	CIS 1018
IC3 - Global Standard 6 Level 1	NO
IC3 - Global Standard 6 Level 2	NO
IC3 - Global Standard 6 Level 3	NO
IC3 - Global Standard 6 Master (all 3 levels)	CIS 1018
Intuit - Entrepreneurship and Small Business US - V.2	ENP 1005, MAN 1060, MAN 2016
Intuit - Communication Skills for Business	BUS 2017
Intuit - Personal Finance	NO

Intuit - Certified Professional Bookkeeper	NO
Intuit - Quickbooks	ACC 1025
MOS Associate	NO
MOS Expert	NO
MOS-100: Word 2019	CIS 1035
MOS-101: Word 2019 Expert	NO
MOS-200: Excel 2019	CIS 1055
MOS-201: Excel 2019 Expert	NO
MOS-300: PowerPoint 2019	CIS 1065
MOS-400: Outlook 2019	CIS 1040
ALL 5 MOS: 100, 200, 300, 400, 500	CIS 1018
MOS-500: Access 2019 Expert	CIS 1045
NCHSE - National Health Science	NO
TestOut - CyberDefense Pro	CIS 1010
TestOut - Digital Literacy Pro	CIS 1010
TestOut - IT Fundamentals Pro	CIS 1010
TestOut - Network Pro	CIS 1010
TestOut - Office Pro	CIS 1010
TestOut - PC Pro	CIS 1010
TestOut - Security Pro	CIS 1010
TestOut - Linux Pro	CIS 1010
ServSafe Food Handler	CUA 1001
Google IT Support Professional Certificate	CIS 1015, CIS1028, CNG 1031

### Digital Literacy

**Description:** This is an introductory survey course related to basic computer skills and technology. This course can help students build competencies and confidence related to computers, the internet, social media, productivity software, and much more. This course has been structured to address current computing concepts, including cloud and mobile technologies; to align closely with educational requirements and ensure learners of all ages can expand their current understanding.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

### Music Appreciation

**Description:** Students will study music from the beginning of Music History through the Modern Era. They will be introduced to different musical styles and genres from cultures across the world. They will also be able to study composers and instruments, counting uncommon and unusual instruments found throughout history.

**Prerequisites:** None  
**Designation:** College Prep  
**Credits:** 0.5 High School

### **Musical Performance**

**Description:** Students who have prior music backgrounds, such as instrumentalists and vocalists, can become enriched in a course dedicated to helping enhance students' individual musical talents. Students will be able to prepare solo and ensemble material that will be prepared for an end of semester recital.

**Prerequisites:** None  
**Designation:** College Prep  
**Credits:** 0.5 High School

### **Outdoor Leadership**

**Description:** The Outdoor Leadership course is focused on turning outdoor enthusiasts into outdoor leaders through instruction and practical experience. Students will be trained in the areas of wilderness skills, environment education, and leadership strategies. By the end of the course, students will possess the knowledge and aptitude to continue in the field of outdoor leadership for post-secondary studies, college and career, and/or to continue their lifelong passion for outdoor adventures.

**Prerequisites:** None  
**Designation:** College Prep  
**Credits:** 0.5 High School

### **Performing Arts**

**Description:** Performing Arts is an elective course which will explore the creativity, imagination, and self-expression that make up the art of acting. We will discuss many aspects of theater, but will focus on group games, memorized scene work, monologues, improvisation, and class plays. This class will contribute to the development of 21st Century Learning Skills such as critical thinking, problem solving, communication and collaboration.

**Prerequisites:** None  
**Designation:** College Prep  
**Credits:** 0.5 High School

### **Robotics I A & B**

**Description:** Robotics will allow students to develop skills in the robotics field by studying programming, electronics, pneumatics, and mechanical systems. Robotics applications and career exploration in the robotics industry are incorporated in this course. Students will apply Physical Science, Mathematics, and Technology while getting hands on experience designing, constructing, and testing robots. This course will be of interest to students planning careers in automated manufacturing and engineering. Responsible, independent students will be successful in this class. Students may be ready to take the Profession Scrum Master (PSM I) Certification by the end of the semester.

**Prerequisites:** None

**Designation:** College Prep  
**Credits:** 0.5 High School

### STEM I A & B

**Description:** STEM is a hands-on, inquiry based, and project driven class. Students will learn to utilize the Engineering Design Process through project-based activities.

**Prerequisites:** None  
**Designation:** College Prep  
**Credits:** 0.5 High School

### Student Council

**Description:** Students will develop teamwork, leadership, organization and project planning skills. Students will plan, organize, advertise, prepare, execute and evaluate school activities to cultivate school culture and service to our community.

**Prerequisites:** None  
**Designation:** College Prep  
**Credits:** 0.5 High School

### Student Assistant Tutor or Student Aid

**Description:** A teacher assistant is responsible for completing a range of clerical tasks to uphold operations. Their duties include taking phone calls, messages, and transferring callers to other staff, making copies, distributing mail, running passes/messages, and other general tasks. To support awareness of professional skill development, all T.A.'s will be required to complete the online Professionalism 101 certification modules through the PPBEA.

**Prerequisites:** Submit application with 2 recommendations (teacher, advisor, or administrator). Minimum 2.5 GPA, excellent work ethic, excellent attendance, and trustworthiness.  
**Designation:** College Prep  
**Credits:** Based on the number of days the credit ranges from .25 to 0.5 High School

### Woodworking

**Description:** This course introduces students to the various kinds of woodworking skills, woods and safe practices using selected woodworking tools. Students design and construct one or more projects. Correct and safe use of tools and equipment is emphasized. As students advance, they focus on learning the terminology to use power tools successfully, developing skills to safely use these tools in the workshop and becoming familiar with various kinds of wood-finishing materials.

**Prerequisites:** None  
**Designation:** College Prep  
**Credits:** 0.5 High School

### Yearbook

**Description:** Students will participate in the process of collaboration, planning, designing, writing and editing of the CECCS Middle /High yearbook. There is a focus on graphic design, planning, interviewing,



research, photography, organization, sales, and group work.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

## Physical Education Course Offerings

### Yoga

**Description:** This class is designed for beginners. Developing gentle flow, you'll be guided through postures in a Vinyasa style, beginning with the basic poses, but allowing for more challenging poses based on your practice level. Focus on breath, relaxation and well-being.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

### Summit Fitness

**Description:** Students engage in a myriad of outdoor sports as well as lifetime fitness activities including an indoor exercise program. In addition, students will be exposed to a general health curriculum that involves class lectures, quizzes and exams.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

### Team Sports:

**Description** This course is designed to teach the fundamentals of a variety of team sports. We will work on specific aspects of each game, such as passing, shooting, dribbling, and moving to open space. We will learn rules and strategies for each sport. Sports may include and are not limited to: Basketball, Volleyball, Floor Hockey, Soccer, Flag Football, Kickball, and Handball. Designation: College Prep Credits: 0.5

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

### Weightlifting - Introduction

**Description:** This course is designed to teach fundamental skills in weightlifting. Students will be taught techniques to improve strength, flexibility, and muscular endurance. Students will be taught proper form and etiquette to set them up for success in other/future weight training environments. We will learn to use a variety of methods such as free weights, cable resistance, body weight exercises, resistance bands, and medicine balls.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

### Weightlifting - Advanced

**Description:** This course is designed for students who have taken Introduction to Weightlifting. Students will continue to improve strength, flexibility, and muscular endurance exploring more advanced techniques. Students will still focus on proper form and etiquette to set them up for success in other/future weight training environments. In addition to practicing using free weights, cable resistance, body weight exercises, resistance bands, and medicine balls, we will explore different methods of programming as well as Olympic Lifting.

**Prerequisites:** successful completion of Introduction Weightlifting

**Designation:** College Prep

**Credits:** 0.5 High School

## ELECTIVE: COLLEGE BRIDGE

### ART 1201 - Drawing I

**Description:** Investigates the various approaches and media that students need to develop drawing skills and visual perception.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### ART 1202- Drawing II

**Description:** Explores expressive drawing techniques with an emphasis on formal composition, black and white, and color media and content or thematic development.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### ART 2201 - Drawing III

**Description:** Offers a continued study of expressive drawing techniques and development of individual style, with an emphasis on composition and technique variation.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### ART 2202 - Drawing IV

**Description:** Explores advanced drawing problems with an emphasis on conceptual development and portfolio and/or exhibition quality presentation.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### ART 1005 - Digital Art Foundations

**Description:** Explores visual problem solving using digital tools for fine art. Students will learn to draw and paint in a variety of artistic modalities using color and grayscale. Two-dimensional to three-dimensional observation exercises in composition will be explored. Students will develop their skills in gesture and contour drawing, painterly expression and artistic elements while using the computer as an art tool. Use of systematic applications for development and presentation of ideas is practiced using vector and raster software. No computer experience is necessary.

**Prerequisites:** None  
**Designation:** College Bridge  
**College Partner:** Pikes Peak State College  
**Credits:** 3.0 College Credits / 1.0 High School

### **ART 1301 - Painting I**

**Description:** Explores basic techniques, materials, and concepts used in opaque painting processes in oil or acrylic painting to depict form and space on a two-dimensional surface.

**Prerequisites:** ART 1201 – Recommended  
**Designation:** College Bridge  
**College Partner:** Pikes Peak State College  
**Credits:** 3.0 College Credits / 1.0 High School

### **BUS 1015 - Introduction to Business**

**Description:** Introduces the application of fundamental business principles to local, national, and international forums. This course examines the relationship of economic systems, governance, regulations, and law upon business operations. It surveys the concepts of career development, business ownership, finance and accounting, economics, marketing, management, operations, human resources, regulations, and business ethics.

**Prerequisites:** None  
**Designation:** College Bridge  
**College Partner:** Pikes Peak State College  
**Credits:** 3.0 College Credits / 1.0 High School

### **BUS 2017 - Business Communication and Report Writing**

**Description:** Emphasizes effective business writing and covers letters, memoranda, reports, application letters, and resumes. Includes the fundamentals of business communication and an introduction to international communication.

**Prerequisites:** None  
**Designation:** College Bridge  
**College Partner:** Pikes Peak State College  
**Credits:** 3.0 College Credits / 1.0 High School

### **BIOL 112 - Nutrition**

**Description:** Nutrition Analysis of personal dietary habits and behavior in relation to basic human nutritional needs and food composition.

**Prerequisites:** None  
**Designation:** College Bridge  
**College Partner:** Colorado State University – Pueblo  
Equivalent Course at PPSC is HWE 1050 Human Nutrition  
**Credits:** 3.0 College Credits / 1.0 High School

### **ECE 1011- Introduction to Early Childhood Education**

**Description:** Provides an introduction to the profession of Early Childhood Education (ECE). Course content includes eight key areas of professional knowledge related to working with young children and their families in early care and education settings: child growth and development; health, nutrition, and safety; developmentally appropriate practices; guidance; family and community relationships; diversity and inclusion; professionalism; and administration and supervision.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### **ECE 1031- Guidance Strategies For Young Children**

**Description:** Explores guidance theories, applications, goals, and techniques, as well as factors that influence behavioral expectations of children. This course includes classroom management and pro-social skills development of young children in early childhood (EC) program settings. This course addresses children ages birth through 8 years. Pre-req is ECE1011

**Prerequisites:** Successful completion of ECE 1011

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

### **MGD 1011- Adobe Photoshop**

**Description:** Concentrates on the high-end capabilities of Adobe Photoshop as an illustration, design, and photo retouching tool. Students explore a wide range of selection and manipulation techniques that can be applied to photos, graphics, and videos. Course competencies and outline follow those set out by the Adobe Certified Associate exam in Visual Communication Using Adobe Photoshop.

**Prerequisites:** None

**Designation:** College Bridge

**College Partner:** Pikes Peak State College

**Credits:** 3.0 College Credits / 1.0 High School

# ALTERNATIVE INSTRUCTION OPPORTUNITIES

## Capstone

**Description:** The CECCS Summit Capstone is an independent academic project for 11<sup>th</sup> and 12<sup>th</sup> grade students. Under the guidance of a mentor, students will create a proposal for a career/interest-related project. They will build a portfolio that documents their project and culminates in a presentation reviewed by school faculty. While students are encouraged to meet with the teacher/mentor as needed, this class does not meet on a regular basis. Instead, students will work on their projects independently and at their own pace in accordance with the schedule provided.

**Designation:** College Prep – Alternative Instruction – Independent Study

**Credits:** 0.5 High School

## Independent Study

**Description:** Independent study allows the student to explore a topic of interest under the close supervision of a faculty or staff member. The course may include directed readings, pursuing an industry certification, applied work, assisting an instructor with a research project, carrying out an independent research project, or other activities deemed appropriate. Must be approved by Head of School.

**Designation:** College Prep – Alternative Instruction – Independent Study

**Credits:** 0.5 High School

## IT Independent Study

**Description:** Independent study allows the student to explore a topic of interest under the close supervision of a faculty or staff member. The course has a focus on IT, Computer Science, or Cybersecurity and may include directed readings, pursuing an industry certification, applied work, assisting an instructor with a research project, carrying out an independent research project, or other activities deemed appropriate. Must be approved by Head of School.

**Designation:** College Prep – Alternative Instruction – Supplemental Online Course

**Credits:** 0.5 High School

## Work-Based Learning

**Description:** Internships, Paid Work, On the Job Training, or Apprenticeships that align with ICAP goal. Students must complete a minimum of 60 hours of work experience within the semester. Students are required to meet weekly with the WBL Coordinator and submit the number of hours worked each week.

**Designation:** College Prep – Alternative Instruction – Work Based Learning

**Credits:** 0.50 for 60 hours or 1.0 for 120 hours of work experience

# INNOVATIVE LEARNING OPPORTUNITY PROGRAM (ILOP)

## Work-Based Learning

**Description:** Internships, Paid Work, On the Job Training, or Apprenticeships that align with ICAP goal. Students must complete a minimum of 60 hours of work experience within the semester. Students are required to meet weekly with the WBL Coordinator and submit the number of hours worked each week.

**Designation:** College Prep

**Credits:** 0.50 for 60 hours or 1.0 for 120 hours of work experience

## Certification Lab

**Description:** Certification Labs are a designated class period for students to work on earning a certification needed to meet graduation requirements. Certification labs are either two or four days per week depending on the amount of time needed to complete the certification. Students are placed in certification labs with advisor approval. Students will meet with their advisors to determine which certifications they need to complete to meet various requirements. These certifications could count as their graduation achievement and may help students to earn college credit hours through PLA credit. Certification Labs are self-paced with weekly minimum pacing expectations. Once a student has earned the certificate(s) they are in the certification lab for, they must prove that PLA submissions have been completed, if needed, by sending their unofficial transcript to their advisor and then meeting with the advisor to be end dated in the course.

**Designation:** College Prep

**Credit Type:** Elective

**Credits:** 0.50 for 60 hours or 1.0 for 120 hours of work experience

## Capstone

**Description:** The CECCS Summit Capstone is an independent academic project for 11<sup>th</sup> and 12<sup>th</sup> grade students. Under the guidance of a mentor, students will create a proposal for a career/interest-related project. They will build a portfolio that documents their project and culminates in a presentation reviewed by school faculty. While students are encouraged to meet with the teacher/mentor as needed, this class does not meet on a regular basis. Instead, students will work on their projects independently and at their own pace in accordance with the schedule provided.

**Designation:** College Prep

**Credits:** 0.5 High School

## Independent Study

**Description:** Independent study allows the student to explore a topic of interest under the close supervision of a faculty or staff member. The course may include directed readings, pursuing an industry certification, applied work, assisting an instructor with a research project, carrying out an independent research project, or other activities deemed appropriate. Must be approved by Head of School.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

### IT Independent Study

**Description:** Independent study allows the student to explore a topic of interest under the close supervision of a faculty or staff member. The course has a focus on IT, Computer Science, or Cybersecurity and may include directed readings, pursuing an industry certification, applied work, assisting an instructor with a research project, carrying out an independent research project, or other activities deemed appropriate. Must be approved by Head of School.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

### IT Fundamentals

**Description:** IT Fundamentals helps individuals build the essential career-relevant skills needed for the modern workplace. It is an introduction to Information Technology and how computers fit into many jobs and careers. The courses are delivered via a personalized, mobile-based learning management system. The platform delivers a meaningful learning experience and provides users with a customized study schedule and detailed instructional content. Students who take this class have the opportunity to earn industry certifications through Test Out. Additionally, students who are successful in preparation tests will have the opportunity to prepare for the CompTIA – ITF+ certification.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

### Linux

**Course Description:** This course provides students with the fundamental concepts of Linux operating systems. The course covers such topics as the Linux file system, commands, utilities, text editing, shell programming and text processing utilities. Students learn command line syntax and features of the popular Linux shells, including filename generation, redirection, pipes and quoting mechanisms. While directed towards cyber security concepts, this class is appropriate for Web Designers, Network Technicians, Game Developers and general Computer Technicians. Additionally, students who are successful in preparation tests will have the opportunity to prepare for the Linux + certification.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

### Security Pro

**Course Description:** Students in Security Pro will learn the baseline skills necessary to perform core security functions and pursue an IT security career. Key Topics covered will include but are not limited to: monitoring and securing networks in the cloud, on mobile devices, and over networks from attacks, threats, & vulnerabilities. Topics related to the implementation of Security using PKI, Basic Cryptography, wireless and wired networks, and end-to-end security will also be covered. Students will also learn about different governing regulations related to risks in the field (PCI-DSS, SOX, HIPAA, GDPR, FISMA, NIST, and CCPA). In



addition, students will learn basic incident response procedures, such as basic threat detection, risk mitigation techniques, security controls, and basic digital forensics.

**Prerequisites:** PC Pro course completion and TestOut Certification earned for PC Pro.

**Designation:** College Prep

**Credits:** 0.5 High School

### Microsoft Academy

**Course Description:** This course provides students with industry-aligned curricula and certifications to build competencies and validate skills for high-demand technologies related to the productivity suites of Outlook, Word, PowerPoint, Excel, and Access. The objective of this self-paced class is for students to earn internationally recognized certifications in various productivity suites offered by Microsoft via Compass.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

### PC Pro

**Course Description:** Students in PC Pro will continue their learning journey started in IT Fundamentals. PC Pro is for students who are considering a potential career in the computer science field. Key topics covered will include but are not limited to: emphasizing the technologies and skills IT pros need to support a hybrid workforce; increased reliance on SaaS applications for remote work, how to remotely diagnose and correct common software, hardware or connectivity problems, evolving core technologies from cloud virtualization and IoT device security to data management and scripting, multiple operating systems, when to use them and how to keep them running properly.

**Prerequisites:** IT Fundamentals Pro course completion and TestOut Certification earned for IT Fundamentals Pro

**Designation:** College Prep

**Credits:** 0.5 High School

### Network Pro

**Course Description:** This is an upper-level computer science course. By the end of this course, students should learn skills related to: Networking Fundamentals, Network Implementations, Network Operations, Network Security, Network Troubleshooting.

**Prerequisites:** None

**Designation:** College Prep

**Credits:** 0.5 High School

### Cyber Defense Pro

**Course Description:** CyberDefense Pro is a course in which students will learn skills associated with cyber professionals tasked with incident detection, prevention and response through continuous security monitoring.

**Prerequisites:** None  
**Designation:** College Prep  
**Credits:** 0.5 High School

### Student Assistant Tutor

Course Description: A teacher assistant is responsible for completing a range of clerical tasks to uphold operations. Their duties include taking phone calls, messages, and transferring callers to other staff, making copies, distributing mail, running passes/messages, and other general tasks. To support awareness of professional skill development, all T.A.'s will be required to complete the online Professionalism 101 certification modules through the PPBEA.

**Prerequisites:** None  
**Designation:** College Prep  
**Credits:** 0.5 High School

### Student Aid

Course Description: A Student Aide, is responsible for completing a range of clerical tasks to uphold operations. Their duties include, but are not limited to, taking phone calls, messages, and transferring callers to other staff, making copies, distributing mail, running passes/messages, and other general tasks. Requirements: Interested students must have a teacher, advisor, or administrator recommendation. Minimum 2.5 GPA, excellent work ethic, excellent attendance, and trustworthiness.

**Prerequisites:** None  
**Designation:** College Prep  
**Credits:** 0.25 High School

### Additional Innovative Learning Opportunities Pilot Program

The following college courses are offered through our Pikes Peak Stat College and CSU Pueblo college partners. These ILOP courses are designated for Clinical, Practicum or Internship experience.

#### NUA 1070 Nurse Aide Clinical Experience

Course Description: Applied knowledge and skill gained in NUA 1001 to patient care.

**Prerequisites:** None  
**Designation:** College Select  
**College Partner:** Pikes Peak State College  
**Credits:** 3.0 College Credits / 1.0 High School

#### NUA 1071 Nurse Aide Clinical Experience

Course Description: Prepare the student to move toward more independent functioning within the nurse aide scope of practice, in applying knowledge and skills gained in NUA 1001 and NUA 1070. The student will learn skills that enhance communication, cultural competency, end of life care, critical thinking and organizational skills.

**Prerequisites:** None

**Designation:** College Select  
**College Partner:** Pikes Peak State College  
**Credits:** 1 College Credits / .5 High School

### **HPR 1080 Internship (Phlebotomy)**

Course Description: Provides students with the opportunity to supplement coursework with practical work experience related to their educational program. Students work under the immediate supervision of experienced personnel at the business location and with the direct guidance of the instructor.

**Prerequisites:** None  
**Designation:** College Select  
**College Partner:** Pikes Peak State College  
**Credits:** 3.0 College Credits / 1.0 High School

### **ACC 1033 Tax Help Colorado Practicum**

Course Description: Utilizes income tax knowledge and training in the context of a community service setting. Volunteers prepare individual federal and state income tax within the parameters of the Tax Help Colorado program and Internal Revenue Service (IRS) guidelines.

**Prerequisites:** None  
**Designation:** College Select  
**College Partner:** Pikes Peak State College  
**Credits:** 3.0 College Credits / 1.0 High School

### **MGD 2088 Practicum**

Course Description: A demonstrated culmination of learning within a given program of study.

**Prerequisites:** None  
**Designation:** College Select  
**College Partner:** Pikes Peak State College  
**Credits:** 3.0 College Credits / 1.0 High School

### **EMS 1070 EMT Clinical**

Course Description: Provides the EMT student with the clinical experience required for initial certification and some renewal processes.

**Prerequisites:** None  
**Designation:** College Select  
**College Partner:** Pikes Peak State College  
**Credits:** 1.0 College Credits / .5 High School

### **CIS 2087 Cooperative Education**

Course Description: Provides students an opportunity to gain practical experience in applying their occupational skills and/or to develop Specific skills in a practical work setting. The instructor works with the student to select an appropriate work site, establish learning objectives and to coordinate learning activities with the employer or work site supervisor.

**Prerequisites:** None  
**Designation:** College Select  
**College Partner:** Pikes Peak State College  
**Credits:** 3.0 College Credits / 1.0 High School

### ACC 2089 Capstone

**Course Description:** Provides pending accounting graduates with the opportunity to evaluate analysis skills. Using the knowledge acquired from their academic studies, the student evaluates the financial standing of three different companies. Financial analysis using spreadsheet capabilities and written report skills are included. The student works independent of a traditional classroom setting.

**Designation:** College

**Prerequisites:** None  
**Designation:** College Select  
**College Partner:** Pikes Peak State College  
**Credits:** 3.0 College Credits / 1.0 High School

### HPR 2089 Capstone

**Course Description:** Facilitates transition from student to graduate through a comprehensive application of knowledge by preparing students to take their national certification exam as required by industry for employment.

**Prerequisites:** None  
**Designation:** College Select  
**College Partner:** Pikes Peak State College  
**Credits:** 1.0 College Credits / .5 High School

### MGD 2089 Capstone

**Course Description:** Focuses on demonstrated culmination of learning within a given program of study.  
**Designation:** College

**Prerequisites:** None  
**Designation:** College Select  
**College Partner:** Pikes Peak State College  
**Credits:** 3.0 College Credits / 1.0 High School

### SW 499 Social Work Senior Capstone (23-24 CSU-P Catalog)

**Course Description:** This course is the required 1-credit project-based lab.

**Corequisites:** SW492  
**Designation:** College Select  
**College Partner:** Colorado State University Pueblo  
**Credits:** 1.0 College Credits / 0.5 High School

### SW 499 Research Lab (24-25 CSU-P Catalog course name change)

**Course Description:** This course is the required 1-credit project-based lab.

**Corequisites:** SW492

**Designation:** College Select

**College Partner:** Colorado State University Pueblo

**Credits:** 1.0 College Credits / 0.5 High School

