



**COLORADO
SPRINGS**
GRADES 6-12

Course Catalog

Grades 9-12

2025-2026

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:

To earn a high school diploma, students must complete a minimum of 20 credits across the categories listed below. In addition, all students must achieve one of the following post-secondary milestones:

- Earn an associate degree
- Complete 60+ college credits
- Obtain a postsecondary or industry-recognized credential

Subject Area	University Pathway	Minimum Graduation Requirements
English	4 Credits	4 Credits
Math	4 Credits	3 Credits
Science	3 Credits	2 Credits
Social Science	3 Credits	2 Credits
World Languages	2 Credits	—
College & Career Readiness	0.5 Credits	0.5 Credits
Academic Electives	3.5 Credits	8.5 Credits

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 the 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 Degree

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 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 degrees or additional certificates are offered through the CECCS higher education partner institutions. 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 partner higher education institutions:

Pikes Peak State College Catalog 2025-26

[Pikes Peak State College - Modern Campus Catalog™](#)

AIMS Community College Catalog 2025-26:

[Aims Community College - Modern Campus Catalog™](#)

University of Colorado at Colorado Springs (UCCS) Catalog:

<https://catalog.uccs.edu/>

Colorado State University-Pueblo 2024-25: (limited)

[Colorado State University Pueblo Catalog 2024-2025 < CSUPueblo](#)

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

Integrated English I

Description: This course explores identity, satire, allegory and symbolism through reading texts such as, *American Born Chinese* and *Animal Farm*. Additional readings include informative and literary texts that connect to the semester themes. Presentation of knowledge through projects and choice with UDL model.

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

Designation: College prep

Credits: 0.5 High School

Integrated English II

Description: This course explores identity, satire, allegory and symbolism through reading texts such as, *American Born Chinese* and *Animal Farm*. Additional readings include informative and literary texts that connect to the semester themes. Presentation of knowledge through projects and choice with UDL model. This course incorporates drama into the student study

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

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: Colorado State University - Pueblo

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

Applied Math I

Description: This first-semester course introduces students to foundational math concepts through real-world applications. Topics include number sense, data analysis, measurement, algebraic thinking, and geometry. Instruction is differentiated to support diverse learning needs, including visual supports, guided practice, and collaborative learning. Students work on projects that connect math to everyday life, building confidence and functional skills.

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

Designation: College Prep

Credits: 0.5 High School

Applied Math II

Description: In this second-semester course, students deepen their understanding of mathematical concepts introduced in Applied Mathematics I. Emphasis is placed on problem-solving, critical thinking, and applying math in increasingly complex real-world scenarios. Topics may include financial literacy, basic statistics, ratios and proportions, and introductory algebra. Supports continue to be tailored to individual learning needs, with a focus on promoting independence and preparing students for postsecondary transitions or vocational pathways

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

Designation: College Prep

Credits: 0.5 High School

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 A & B (060)

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 & B (090A/090 B)

Description: Includes first-degree equations, inequalities, formulas, polynomials, factoring polynomials, solving quadratic equations by factoring, graphing linear equations, and applications. Algebraic fractions and systems of linear equations may be included.

Prerequisites: Pre-Algebra or appropriate ACCUPLACER scores

Designation: College Prep

Credits: 0.5 High School

Geometry in Construction

Description: The exploration of math as an art. In this course, students will learn to identify and construct various geometric figures and prove theorems associated with them. Principles of reasoning will be learned to aid in making conjectures and proving theorems, as well as applications of those theorems in a Euclidean geometric setting. To allow students to begin to appreciate some of the subtle beauties of mathematics, the course will explore concepts through real-world applications within the construction industry

Prerequisites: Algebra I

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. Statistical 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 & B (099A/099 B)

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

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-Calculus: 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

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

Wellness: Horticulture

Description: Students will participate in a combination of lecture and project-based learning to master key concepts associated with the science, technology, art, and business of the horticulture industry. Fall semester will focus heavily on plant science, covering concepts of anatomy and physiology, classification and taxonomy, reproduction and propagation, and soils, nutrients, and pest management.

Prerequisites: None

Designation: College Prep

Credits: 0.5 High School

Horticulture B

Description: Students will participate in a combination of lecture and project-based learning to master key concepts associated with the science, technology, art, and business of the horticulture industry. Spring semester offers deeper insight into the specific branches of the horticulture industry including floriculture, landscaping and turfgrass, alternative gardening and agriculture practices, and community and home gardening. Students will be able to demonstrate their understanding of these concepts through growing and caring for plants in the classroom.

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 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. This course meets the Colorado Holocaust and Genocide studies required for high school graduation

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. This course meets the Colorado Holocaust and Genocide studies required for high school graduation

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: Introduces 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

CRJ 2020– Human Relation & Social Conflict

Description: Highlights the environmental, organizational, and psychological dimensions of social control. Includes the study of individual attitudes, beliefs, and behavior involved in role conflicts, community relations, and conflict management in the social structure.

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

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

Life Skills

Description: Have you ever asked the question, "When am I ever going to use this in life?!", this is the course for you! In this course, students will learn a number of useful skills for their everyday life. This course will cover Basic Needs, Self-Care, and Home Care. The purpose of this course is to equip students with a number of effective skills that are needed in day-to-day life, such as, checking fluid levels on automobiles, finding available jobs, shopping for groceries on a budget, patching drywall holes, becoming a self-starter, and how to cope with failure. This class is focused on Life Education.

Prerequisites: None

Designation: College Prep

Credits: 0.5 High School

PWR Skills - Postsecondary and Workforce Readiness Skills

PWR Skills is a dynamic, student-centered course designed to prepare high school students for success in both postsecondary education and the workforce. Through a competency-based approach, students will explore their individual strengths, interests, and aptitudes while developing high-demand durable skills such as communication, collaboration, adaptability, and problem-solving. The course emphasizes career exploration, resume building, and interview preparation, culminating in the creation of a professional portfolio that showcases each student's growth and readiness. With hands-on, project-based learning at its core, PWR Skills empowers students to take ownership of their future and build a foundation for lifelong success.

Prerequisites: None

Designation: College Prep

Credits: 0.5 High School

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

Aviation

Description: The Aviation course will provide the foundation for advanced exploration in the areas of flying and unmanned aircraft systems. Students will learn about engineering practices, problem solving, and the innovations and technological developments that have made today's aviation and aerospace industries possible. Students will also learn about the wide variety of exciting and rewarding careers available to them. The ninth-grade course will inspire students to consider aviation and aerospace careers while laying the foundation for continued study in grades 10 through 12 and beyond.

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

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 Pro

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

Drones I

Description: course will introduce the knowledge and mechanics behind Unmanned Aircraft Vehicles(UAV's). Students will learn the regulations, operation safety, and licenses needed to fly a UAV both Recreationally and Commercially. They will also learn about the careers and future uses of UAV's in fields such as agriculture, emergency services, law enforcement, and many others. The course will have students programming their drone to complete operations independently, as well as piloting them to complete different objectives that simulate real world situations

Prerequisites: None

Designation: College Prep

Credits: 0.5 High School

Drones II

Description: This continuation course will introduce the knowledge and mechanics behind Unmanned Aircraft Vehicles (UAV's). Students will learn the regulations, operation safety, and licenses needed to fly a UAV both Recreationally and Commercially. They will also learn about the careers and future uses of UAVs in fields such as agriculture, emergency services, law enforcement, and many others. The course will have students programming their drones to complete operations independently, as well as piloting them to complete different objectives that simulate real world situations

Prerequisites: None

Designation: College Prep

Credits: 0.5 High School

Outdoor Leadership

Description: The Outdoor Leadership course focuses on turning outdoor enthusiasts into outdoor leaders through instruction and practical experience. Students will be trained in the areas of wilderness skills, environmental 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

Resource Lab

Description: The resource class is a course delivered through our special education program for students who have been identified as a student with a disability. The student is currently on an IEP and may need specialized supplementary instruction in an individual or small group setting for part of the day. This course is available for students who would benefit from time in their educational day to accomplish their goals, and support for working on executive functioning. Students will also have an opportunity to take an active part in their education plan through knowledge of strengths and needs and by learning to advocate for themselves. There are 3 options for resource lab class times, depending on need.

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

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.

Designation: College Prep

Credits: Based on the number of days the credit ranges from .25 to 0.5 High School

Wellbeing: 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

Wellbeing: Textiles

This hands-on course introduces students to the fundamentals of textiles through sewing, crafting, and design projects. Students will learn essential skills such as hand and machine sewing, fabric selection, pattern reading, and creative embellishment techniques. Projects will include both functional and decorative items, encouraging personal expression and practical application. Through exploration of textile arts, students will develop creativity, problem-solving abilities, and an appreciation for craftsmanship.

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

Wellbeing: 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

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

BUS 2016 – Legal Environment of Business

Emphasizes public law, regulation of business, ethical considerations, and various relationships existing within society, government, and business. Specific attention is given to economic regulation, social regulation, labor-management issues, environmental issues, and contract fundamentals. This course analyzes the role of law in social, political, and economic change business environments.

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

CIS 1018 – Introduction to PC Applications

Emphasizes public law, regulation of business, ethical considerations, and various relationships existing within society, government, and business. Specific attention is given to economic regulation, social regulation, labor-management issues, environmental issues, and contract fundamentals. This course analyzes the role of law in social, political, and economic change business environments.

Prerequisites: None

Designation: College Bridge

College Partner: Pikes Peak State College

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

PED 1002 - Weight Training I

Offers basic instruction and practice in weight training. Students utilize weight training equipment in accordance to their abilities and goals. Emphasizes weight training equipment orientation, correct lifting techniques, and basic program design for men and women.

Prerequisites: None

Designation: College Bridge

College Partner: Pikes Peak State College

Credits: 3.0 College Credits / 1.0 High School

PED 1051 - Walking & Jogging

Enables the student to understand the values in walking and jogging. Safety precautions and emphasis on personal programs are emphasized.

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 11th and 12th 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

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

Cyber Defense Pro

Course Description: Cyber Defense 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

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

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

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

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

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

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

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

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

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.

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

CIS 1018 Introduction to PC Applications

Introduces basic computer terminology, file management, and PC system components. Provides an overview of office application software including word processing, spreadsheets, databases, and presentation graphics. Includes the use of a web browser to access the Internet.

Prerequisites: None

Designation: College Select and Online College Prep

College Partner: Pikes Peak State College

Credits: 3.0 College Credits / 1.0 High School

Creative Writing Online – Supplemental Online

Description: Creative Writing is a year-long elective course for students who are interested in learning how to cultivate the habit, attitude, and responsibility of the creative writer. Students will learn how to create, develop, and refine original forms of descriptive and aesthetic writing. As they read and write, students will become familiar with a variety of genres, including short stories, poetry, and screenplays. Students will focus on developing their use of a variety of creative writing techniques to improve their craft

Designation: College Prep

Credits: 0.5 High School

Forensic Science Online - Supplemental Online

Description: This engaging online course introduces students to the fundamentals of forensic science through real-world applications and investigative techniques. Students will develop critical observation and deductive reasoning skills while exploring topics such as eyewitness testimony, the Innocence Project, and the investigative process. They will learn how to analyze different types of evidence, document crime scenes through sketching and photography, and understand the importance of proper evidence collection and chain of custody. The course also examines the journey of forensic evidence from the crime scene to the courtroom and explores the history of forensic science. Through interactive lessons and case studies, students will gain a deeper understanding of how forensic science plays a crucial role in the justice system

Designation: College Prep

Credits: 0.5 High School

Introduction to Film Theory Online - Supplemental Online

Description: Intro to Film Theory offers an engaging exploration of the key ideas and frameworks that shape our understanding of cinema. This course introduces students to foundational concepts such as auteur theory, genre analysis, spectatorship, and the politics of representation, examining how films create meaning and influence culture. Additionally, blending both cultural study and history, Intro to Film Theory will offer students a survey of the major developments and movements that have shaped moviemaking and the history of cinema for the last 145 years. Through screenings, readings, and discussions, students will develop critical tools to analyze film form, narrative structure, and visual style, gaining deeper insight into the artistic and social significance of cinema. Students who take Intro to Film Theory in the fall will be eligible to take Intro to Film Production in the spring with a chance to put theory into practice.

Designation: College Prep

Credits: 0.5 High School

Life Skills

Description: Have you ever asked the question, "When am I ever going to use this in life?!", this is the course for you! In this course, students will learn a number of useful skills for their everyday life. This course will cover Basic Needs, Self-Care, and Home Care. The purpose of this course is to equip students with a number of effective skills that are needed in day-to-day life, such as, checking fluid levels on automobiles, finding available jobs, shopping for groceries on a budget, patching drywall holes, becoming a self-starter, and how to cope with failure. This class is focused on Life Education.

Designation: College Prep

Credits: 0.5 High School

Literature and Composition 090 Online - Supplemental Online

Description: This course provides an intensive introduction to college prep English work by establishing a foundation of skills needed for all reading and writing at CEC. Students will practice analytical reading skills in a variety of genres, including short stories, poems, novels, and nonfiction. Focus will be on close reading where students use specific passages from the text to develop and support their interpretations of literary works as well as recognize how texts function as a whole and the conventions of using communication in different settings. Students will focus on the devices used to achieve their own writing purposes and appeal to their audiences by composing various types of essays. Further, they will learn the conventions and expectations of the typical college essay.

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

Designation: College Prep

Credits: 0.5 High School

Mythology Online - Supplemental Online

Description: This high school mythology course examines the myths that have shaped cultures worldwide, integrating the Colorado State Standards for a comprehensive educational framework. We delve into classical mythology, including the foundational tales of Greek and Roman gods, the epic narratives of Norse mythology, and the storied traditions of Egyptian, Japanese, British, Celtic, Native American, and Aztec cultures. Alongside key readings from Thomas Bulfinch's "The Age of Fable," our curriculum extends into modern mythology, featuring iconic works such as "Harry Potter," "Rings of Power," and "Dune." Students will analyze creation myths, heroic quests, and the significance of mythical creatures, all through the lens of the "Hero's Journey". This curriculum offers a deep dive into the enduring impact of mythology, from ancient stories to contemporary narratives, enriching our understanding of the universal themes that continue to influence our world.

Prerequisites: Literature & Composition 090 or higher recommended

Designation: College Prep

Credits: 0.5 High School

Pre-Algebra 060 Online - Supplemental Online

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

Philosophy Online - Supplemental Online

Description: This course provides students with an engaging and thought-provoking exploration of fundamental philosophical ideas. Students will analyze and discuss major philosophical themes, including logic, metaphysics, epistemology, ethics, political philosophy, the philosophy of religion, and existentialism. Through primary texts, critical discussions, and written reflections, students will develop strong analytical and reasoning skills, allowing them to question assumptions, construct logical arguments, and explore the relevance of philosophy in their daily lives. This course is ideal for students interested in deepening their understanding of human thought and inquiry.

Designation: College Prep

Credits: 0.5 High School