



**COLORADO
SPRINGS**
GRADES 6-12

Course Catalog
Grades 9-12
2023-2024

Subject to Change

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CEC GRADUATION GUIDELINES

H.E.A.R. Pathway

- I. English | 4 Credits
- II. Math | 4 Credits
- III. Science | 3 Credits
- IV. Social Science | 3 Credits
- V. World Languages | 2 Credits
- VI. College & Career Readiness | .5 Credits
- VII. Academic Electives | 3.5 Credits

Minimum Graduation Requirements

- I. English | 4 Credits
- II. Math | 3 Credits
- III. Science | 2 Credits
- IV. Social Science | 2 Credits
- V. College & Career Readiness | .5 Credits
- VI. Academic Electives | 8.5 Credits

Additionally, **all** students must earn either an associate degree, 60 College Credits, or an industry approved certificate

I. 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.

II. 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.

III. Science

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

IV. 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)

V. World Languages

Every student must complete level II proficiency of a language if following H.E.A.R. Recommendations

VI. College and Career Readiness

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

VII. Academic Electives

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

All courses are semester-long courses. College classes typically meet two to four times a week. They are listed with their community college course numbers, e.g. PSY1001. College prep classes meet four days a week. Class periods are 70 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.

SUMMARY OF COURSE OFFERINGS

(Fall and Spring offerings are subject to change pending course enrollment and instructor availability)

ENGLISH & COMMUNICATIONS	
FALL SEMESTER	SPRING SEMESTER
Literature and Composition (060)	Literature and Composition (060)
Literature and Composition (090)	Literature and Composition (090)
Literature and Composition (099)	Literature and Composition (099)
Speech	Debate
Studio 121 – Supplemental Academic Instruction (ENG 0094) * Concurrent with ENG 1021 as needed	Studio 121 – Supplemental Academic Instruction (ENG 0094) *Concurrent with ENG 1021 as needed
ENG 1021 - English Composition I: GT-CO1	ENG 1021 - English Composition I: GT-CO1
LIT 1015 - Introduction to Literature: GT-AH2	ENG 1022 - English Composition II: GT-CO2
COM 1150 - Public Speaking	COM 1150 - Public Speaking
COM 1250 - Interpersonal Communication: GT-SS3	COM 1250 - Interpersonal Communication: GT-SS3

MATH	
FALL SEMESTER	SPRING SEMESTER
Peak Studio (Math Content Lab)	Peak Studio (Math Content Lab)
Pre-Algebra (060)	Pre-Algebra (060)
Algebra I (090)	Algebra I (090)
Geometry/Statistics	Geometry/Statistics
Algebra II (099)	Algebra II (099)
Financial Literacy	Financial Literacy
MAT 1240 – Mathematics for Liberal Arts: GT-MA1	MAT 1240 – Mathematics for Liberal Arts: GT-MA1
MAT 1340 - College Algebra: GT-MA1	MAT 1340 - College Algebra: GT-MA1
MAT 1420 - College Trigonometry: GT-MA1	MAT 1420 - College Trigonometry: GT-MA1
MATH 1440 - Pre-Calculus: GT-MA1	MAT 1440 - Pre-Calculus: GT-MA1
MAT 2410 - Calculus I: GT-MA1 (pending enrollment)	MAT 2410 - Calculus I: GT-MA1

SCIENCE	
FALL SEMESTER	SPRING SEMESTER
Earth and Space Science A w/ Lab	Earth and Space Science B w/ Lab
Biology A w/ Lab	Biology B w/ Lab
Physical Science A w/Lab	Physical Science B w/Lab
Chemistry A w/ Lab	Chemistry B w/ Lab
Health Science A w/ Lab	Health Science w/ Lab
ENV 1111 - Environment Science w/ Lab: GT-SC1	ENV 1111 - Environment Science w/ Lab: GT-SC1
GEO 1011 - Physical Geography: Landforms w/ Lab GT-SC1	GEO 1011 - Physical Geography: Landforms w/ Lab GT-SC1
GEO 1012 – Physical Geography: Weather, Climate & Ecosystems w/ Lab GT-SC1	GEO 1012 – Physical Geography: Weather, Climate & Ecosystems w/ Lab GT-SC1
BIO 1005 – Science of Biology w/ Lab: GT-SC1	BIO 1005 – Science of Biology w/ Lab: GT-SC1
BIO 1111 - General College Biology I w/Lab: GT-SC1	BIO 1112 - General College Biology II w/Lab: GT-SC1
Biomedical Science (pending Fall 2024)	Biomedical Science (pending)

SOCIAL SCIENCE	
FALL SEMESTER	SPRING SEMESTER
U.S. History A	U.S. History B
Civics	Civics
Geography	Geography
HIS 1120 - The World: 1500-Present: GT-HI1	HIS 1120 - The World: 1500-Present: GT-HI1
HIS 1210 - US History to Reconstruction: GT-HI1	HIS 1210 - US History to Reconstruction: GT-HI1
HIS 1220 - US History Since the Civil War: GT-HI1	HIS 1220 - US History Since the Civil War: GT-HI1
ART 1110 - Art Appreciation: GT-AH1	ART 1110 - Art Appreciation: GT-AH1
HUM 1015 - World Mythology: GT-AH2	HUM 1015 - World Mythology: GT-AH2
POLS 101 - American National Politics: GT-SS1 (CSU-P)	POLS 101 - American National Politics: GT-SS1 (CSU-P)
POLS 102 - State & Local Gov't: GT-SS1 (CSU-P)	POLS 102 State & Local Gov't: GT-SS1 (CSU-P)
GEO 1005 – World Geography: GT-SS2	GEO 1005 – World Geography: GT-SS2
GEO 1006 – Human Geography: GT-SS2	GEO 1006 – Human Geography: GT-SS2
PSY 1001 - General Psychology I: GT-SS3	PSY 1001 - General Psychology I: GT-SS3
PSY 2440 - Human Growth & Development: GT-SS3	PSY 2552 - Abnormal Psychology: GT-SS3
CRJ 1010 – Intro to Criminal Justice: GT-SS3	CRJ 1010 – Intro to Criminal Justice: GT-SS3
CRJ 2035 – Delinquent Behavior: GT-SS3	CRJ 2030 – Criminology: GT-SS3

CSU-P: Colorado State University Pueblo

WORLD LANGUAGES	
FALL SEMESTER	SPRING SEMESTER
Spanish I	Spanish I
Spanish II	Spanish II
ASL 101 – American Sign Language I (CSU-P)	ASL 102 – American Sign Language II (CSU-P)

College and Career Readiness	
FALL SEMESTER	SPRING SEMESTER
College and Career Readiness	College and Career Readiness
BUS 1015 - Intro to Business	BUS 1015 - Intro to Business

ELECTIVES: College Prep (High School)	
FALL SEMESTER	SPRING SEMESTER
Art	Art
Certification Lab	Certification Lab
Computers: Certification Lab	Computers: Certification Lab
Computers: IT Fundamentals	Computers: IT Fundamentals
Computers: Microsoft Academy	Computers: Microsoft Academy
Computers: Network Pro	Computers: Network Pro
Computers: PC Pro	Computers: PC Pro
Computers: Security Pro	Computers: Security Pro
Cooking (W.E.)	Cooking (W.E.)
Horticultural (W.E.)	Horticultural (W.E.)
Music Appreciation	Music Appreciation
Musical Performance	Musical Performance
Outdoor Leadership	Outdoor Leadership
Performing Arts	Performing Arts
Student Council	Student Council
Summit Fitness	Summit Fitness
Teacher Assistant	Teacher Assistant
Wellbeing/Yoga (W.E.)	Wellbeing/Yoga (W.E.)
Work Based Learning A & B/Internship	Work Based Learning A & B/Internship
Yearbook	Yearbook
STEM	STEM
Robotics	Robotics

ELECTIVES: College Bridge	
FALL SEMESTER	SPRING SEMESTER
ART 1201 - Drawing I	ART 1201 - Drawing I
ART 1202 - Drawing II	ART 1202 - Drawing II
ART 2201 - Drawing III	ART 2201 - Drawing III
ART 1005 – Digital Art Foundations	BIOL 112 – Nutrition (CSU-P)
BUS 1015 – Introduction to Business	BUS 2017 – Business Comm & Writing
	MGD 1011 – Adobe Photoshop I

On-Campus Certificates Meeting Graduation Achievement Requirement

Microsoft Office Specialists – Associate Certificate
Entrepreneurship and Small Business
Professional Business Communication
Basic Criminology Certificate: CRJ 1010, CRJ 2035 and CRJ 2030

Additional Certificates offered in Cert Lab:

CompTIA – IT Fundamentals
CompTIA – Security +
IT Specialists: Cybersecurity
CompTIA – A+ Core 1
Comp TIA – A+ Core 2
IC3 Digital Literacy

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 idea.

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 but not limited to: 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

Debate

Description: This is a semester-long elective that will give students an introduction to a variety of formal debate styles, with a focus on Public Forum and Lincoln-Douglas formats. Throughout the course, students will become familiar with these styles through instruction, research, observation, and a lot of practice.

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 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

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)

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. 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 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 for the A section; successful completion of Health Science A required for Health Science 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

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

ENV 1111 - Environmental Science w/ Lab GT-SC1

Description: Introduces the basic concepts of ecology and the relationship between environmental problems and biological systems. This course includes interdisciplinary discussions on biology, chemistry, geology, energy, natural resources, pollution, and environmental protection. A holistic approach is used when analyzing how the foundations of natural sciences interconnect with the environment.

Prerequisites: 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 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

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

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

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

GEO 1005 – World Geography: GT-SS2

Description: Examines the spatial distribution of environmental and societal phenomena in the world's regions. Environmental phenomena includes topography, climate, and natural resources. Societal phenomena includes 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

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: GT-SS3

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: 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

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. Spanish 1B is the second semester of the Spanish I series. 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 101 – American Sign Language I

Description: B 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

Equivalent Course at PPSC is ASL 1121 – American Sign Language I

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

Equivalent Course at PPSC is ASL 1122 – American Sign Language II

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: 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

HS Robotics:

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

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

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

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 lecture, quizzes and exams.

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

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

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

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

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

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

Teacher Assistant

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: 0.5 High School

Microsoft Academy

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

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

PC Pro

Description: PC Pro is a second level course that deepens the comprehensiveness of knowledge from the IT Fundamentals course. 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 – A+ certifications.

Prerequisites:

Designation: College Prep

Credits: 0.5 High School

Network Pro

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, and network troubleshooting. Additionally, students who are successful in preparation tests will have the opportunity to prepare for the CompTIA – Network+ certification.

Prerequisites: None

Designation: College Prep

Credits: 0.5 High School

Security Pro

Description: This course introduces concepts related to aspects of cybersecurity and establishes more knowledge required in the field and helps students learn to assess the security of an organization, recommend, and implement appropriate solutions. Students will also monitor and secure hybrid environments, including cloud, mobile and IoT. A focus will be placed on their ability to operate with an awareness of applicable laws and policies, including principles of governance, risk and compliance. Additionally, students who are successful in preparation tests will have the opportunity to prepare for the CompTIA – Security+ certification.

Prerequisites: None

Designation: College Prep

Credits: 0.5 High School

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

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 will count as their graduation achievement and

will 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.

Prerequisites: None

Designation: College Prep (Pass/Fail)

Credits: 0.5

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 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

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. This course addresses children ages birth through 8 years..

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