CERES HIGH SCHOOL

COURSE CATALOG

2020-2021
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# CHS GRADUATION REQUIREMENTS

In order to graduate from Ceres High School, a student must earn 230 credits.

**Social Studies**  
- World History 10  
- U.S. History 10  
- *Principles of Democracy* 5  
- *Economics* 5

**English** 40

**Math** (Int Mathematics I; plus 1 additional year) 20

**Science** 20  
- Physical 10  
- Life 10

**Fine Arts or Foreign Language** 10

**Physical Education** 20

**Electives** 90

**Total** 230

Note: Students must pass both semester 1 and semester 2 of required subjects.

*1 Semester of study = 5 credits*

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# COLLEGE INFORMATION WEBSITES

California Colleges: (www.californiacolleges.edu)  
California Community Colleges: (www.cccco.edu)  
California State University: Link to all 23 campuses: (www.csumentor.edu)  
University of California: Link to all 10 campuses: (www.ucop.edu)  
California Student Aid Commission: (www.csac.ca.gov)  
Federal Student Aid: (studentaid.ed.gov) or (FAFSA.ed.gov)  
Financial Aid and Scholarship Services: (www.fastweb.com)  
Financial Aid: free guide to financial aid: (www.finaid.org)  
College Board: SAT registration, test prep, college search, career info: (www.collegeboard.com)  
American College Testing (ACT) test preparation: (www.act.org)  
Educational Testing Service Network: Practice tests, financial aid, careers, college links: (www.ets.org)  
SAT prep: (www.domesatreview.com)  
Occupational Outlook Handbook: (www.stats.bls.gov/oco)  
Military Careers: (www.todaysmilitary.com)  
ASVAB Career Exploration Program: (www.asvabprogram.com)
4 YEAR COLLEGE ADMISSION

REQUIREMENTS (a-g)

Admission requirements for 4-year colleges or universities, including University of California (UC) and the California State University (CSU) systems, are the successful completion of the following “a-g” subjects with a grade of ‘C’ or better. Only those CHS courses certified by the UC system meet the “a-g” requirements. (See page 6)

“a-g” Subject Requirements

a) History/Social Science-2 years required
   Two years of history/social science to include one year of World History, and one year of United States History or one-half year of Civics or American Government.

b) English-4 years required
   Four years of college preparatory English.

c) Mathematics-3 years required, 4 recommended
   Three years of college preparatory math, including or integrating Algebra or equivalent, Geometry, and Algebra II.

d) Laboratory Science-2 years required, 3 recommended
   Two years of laboratory science providing fundamental knowledge in at least two of these three disciplines of biology, chemistry, and physics.

e) Languages other than English-2 years required, 3 recommended
   Two years of the same foreign language other than English or equivalent to the second level of high school instruction.

f) Visual Performing Art-1 year required
   One year chosen from dance, music, theater or the visual arts.

g) College Preparatory Elective Courses-1 year required
   One year chosen from the “a-f” courses beyond those used to satisfy the requirements above, or courses that have been approved solely in the elective area “g”.

Entrance Test Requirements

Tests must be taken by December of your senior year in order to register for Fall.

UC System
The ACT plus the Writing Test or the SAT with Essay

CSU System
ACT or SAT Reasoning Test

In addition to the “a-g” subject requirements, students must qualify on an eligibility index which combines grade point average and test scores.
a. History
   - AP Human Geography
   - P World History
   - AP European History
   - P US History
   - AP US History
   - P Principles of Democracy (1 sem)
   - AP Amer Government

b. English
   - P English 9
   - Pre-AP English 9
   - P English 10
   - Pre-AP English 10
   - P English 11
   - AP English Language
   - P Expository Reading & Writing
   - AP English Literature & Composition

f. Visual and Performing Arts
   - P Art I-III
   - AP Studio Art
   - P Computer Graphics I
   - P Advanced Digital Photo/Graphics
   - P Video Production
   - P Advanced Video Production
   - P Literature & History via Film
   - P Dance Production I-II
   - P Advance Dance Prod.
   - P Theater Arts I-IV
   - P Guitar I
   - P Royal Color Guard
   - P Wind Ensemble
   - P Percussion Band
   - P Concert Choir
   - AP Music Theory (pending)
   - P Mariachi Band (pending)

g. Elective Courses (including other college prep courses)
   - P Economics (1 sem)
   - P Ethnic Studies
   - P Creative Writing
   - P Reading Like a Writer (pending)
   - P Speech
   - P Psychology
   - AP Psychology
   - P Comp. Science Discoveries
   - AP Comp. Science Principles
   - AP Computer Science
   - P Healthy Living & Wellness
   - P Intro to Green Man
   - P Engineering & Design
   - P Criminal Justice
   - P Adv Police Procedures (pending)
   - P Ag Leadership
   - P Intro to Animal Ag
   - P Intro to Vet Science
   - P Adv Animal Science
   - P Adv Vet Science

Note: Underlined courses will receive an extra honors grade point: A=5, B=4, C=3. No extra grade point for a “D” grade.
The Advanced Placement (AP) program is a collaborative effort between motivated students, dedicated teachers, and committed high schools, colleges and universities. Since its inception in 1955, the program has allowed millions of students to take college-level courses and exams and to earn college credit while still in high school.

Each AP course has a corresponding exam administered in May. AP exams represent the culmination of AP courses, and are an integral part of the program. The district requires students who are enrolled in an AP course to take the corresponding AP exam in May, at no cost to the student.

The following Advanced Placement courses are taught at Ceres High School.

- American Gov. (p 12)
- Biology (p 20)
- Calculus (p 18)
- Calculus BC (p 18)
- Comp. Sci Prin (p 34)
- Computer Science (p 34)
- English Language (p 13)
- English Lit & Com (p 14)
- Environmental Sci (p 21)
- European History (p 10)
- Human Geog (p 10)
- Music Theory (p 29)
- Physics (p 21)
- Psychology (p 34)
- Spanish Language (p 23)
- Spanish Literature (p 23)
- Statistics (p 19)
- Studio Art (p 24)
- US History (p 11)

Procedures and requirements to enroll in an AP class at Ceres High School:

- Students select AP class(es) during balloting. Parent signs ballot indicating their approval of chosen classes. Student and parents will be required to sign and return a Memorandum of Understanding (MOU) which is a part of the ballot.
- Student AP requests are evaluated based on same subject grades and teacher recommendations, GPA, test scores, attendance and amount of AP courses that are deemed appropriate. If students are not selected for one or more of the AP classes they selected through balloting, they will be notified by their LD.
- In the Spring, students and parents must attend an AP Information Night. Students will receive their AP Commitment form at this time. By signing the AP Commitment Form, students and parents agree to the year-long commitment for the selected AP class(es) and understand they will not be allowed to drop those classes after turning in the AP Commitment Form.
- Summer assignments will be distributed at the end of spring semester. All summer work must be completed by the 1st day of the following school year.

AP Information and Expectations

AP is an extremely rigorous program with national standards. These challenging, entry-level college content courses give students the opportunity to earn college credits through the required AP Exams taken in May. Three or more AP courses will require a meeting with your student’s Learning Director. We want your student to be successful! Students are expected to complete summer reading and other assigned work prior to the start of the school year. All summer work will be available on the AP Google Classrooms. Classroom codes are available in the library or through the counseling office.

Please discuss the commitment and expectations that are required to successfully complete an AP course with your student. Decide if AP is right for your student, taking into consideration other activities and obligations your student may have. Please remember that once a student signs up for AP, they are committing to the course for the entire school year.
CAREER TECHNICAL PATHWAYS

Arts Media & Entertainment
(State Pathway Title: (111) Design, Visual & Media Arts)
High School, 9th - 12th grade

Workplace Skills Development
Teachers infuse workplace skills throughout daily lessons.
- Teamwork
- Cooperation
- Problem Solving
- Locating Information
- Planning
- Conflict Resolution
- Communication
- Industry/College Tours
- Resume workshop
- Mock Interviews
- Employability Skills
- Teachers infuse workplace soft skills throughout daily lessons in pathway classes.
- Students are required to apply for postsecondary education program during senior year to continue education and training.
- Industry activities to encourage and maintain students’ interest.
- Data collected and monitored by all parties.

Industry and Postsecondary Education Connection
- Guest Speakers

9th - 12th Grade
P Computer Graphics I
Students learn to create original print design in Photoshop and Illustrator; from logos to full page advertisements.

10th - 12th Grade
P Adv Digital Photo/Graphics or
P Advanced Video Production
Students determine their course of study in print design. Throughout the year they work on creating a print portfolio that focuses on a specific design issue.

9th - 12th Grade
Modesto Junior College- AS or Certificate in Computer Graphic Application

Examples of courses:
CMPGR 202- Intro to Comp. Graphics
CMPGR 213- Applied Computer Graphics
CMPGR 215- Business Presentation Graphics
CMPGR 217- Computer Illustration Software
CMPGR 225- 3D Modeling and Animation
CMPGR 235- Beginning Photoshop
ART 120- Basic Drawing
BUSAD 201 Financial Accounting
CSCI 230- Database Management Systems
ELTEC 208- Fundamentals of Electricity and Electronics

Degree/Transfer to a Four Year University/Employment
Manufacturing and Product Development
(State Pathway Title: (213) Welding and Materials Joining)
High School, 10th - 12th grade

Workplace Skills Development
- Teachers infuse workplace skills throughout daily lessons.
- Teamwork
- Cooperation
- Problem Solving
- Locating Information
- Planning
- Conflict Resolution
- Communication

Industry and Postsecondary Education Connection
- Guest Speakers
- Industry/College Tours
- Resume workshop
- Mock Interviews
- Employability Skills
- Teachers infuse workplace soft skills throughout daily lessons in pathway classes.
- Students are required to apply for postsecondary education program during senior year to continue education and training.
- MJC instructors work with CUSD staff to insure continuity and equipment is up to date.
- Industry activities to encourage and maintain student interests.
- Data collected and monitoring by all parties.

Optional Courses
- Intro to Ag Mechanics

10th-11th Grade
Ag Welding
Develop job entry and farm maintenance skills, stick welding and MIG welding.
-2+2 MJC Articulation

10th - 12th Grade
Ag Welding II
Develop job entry and farm maintenance skills, stick welding and MIG welding.
-2+2 MJC Articulation

11th - 12th Grade
Welding Fabrication II
Advanced welding skills, Arc welding, MIG and TIG welding. Project work.
-2+2 Articulation


Examples of courses:
WELD 200- Arc and Gas Welding
WELD 204- Gas Metal Arc Welding
WELD 300- Intermediate Welding
SM 331- Small Metal Fabrication I
MACH 304- Mach Shop 1
ELTEC 208- Fundamental

Degree/Transfer to a Four Year University/Employment
Manufacturing and Product Development  
(State Pathway Title: (212) Machine & Forming Technology)  
MPGT Academy  
Junior High School, 7th - 8th Grade & Ceres High School, 9th - 12th grade  

Recruitment  
- Provide information about manufacturing careers to 8th graders  
- Career fairs, parent information sessions and Gallo video presentation  
- Ballot for 9th grade classes  
- Apply for enrollment in Academy  
- Parent approval of Academy application and enrollment  
- Interview for Academy  
- Apply for MJC program  
- Adjust course schedule as needed

9th, 10th, 11th Grade  
Begin Academy courses  
Engage in all required student activities  
Maintain 80% attendance  
Maintain 90% of course credits  
Student paired with mentor

12th Grade  
Internship with local manufacturing industry partners. Graduate with High School Diploma.  
Continue “Fast-Track” courses at MJC

Industry reps visit schools to educate students regarding various careers in manufacturing.  
4th-6th grade: Provide general overview of manufacturing careers.  
7th-8th grade: Provide more details about careers and salaries.  
9th, 10th, 11th and 12th grade: Local manufacturing companies provide guest speakers to Academy classes and field trips.  

MJC: Specific company recruitment  
- Teachers infuse workplace soft skills throughout daily lessons in Academy classes.  
- CUSD staff to insure continuity and equipment is up to date.  
- Students are enrolled concurrently and earning credits at MJC to reduce time to complete certificate.  
- Industry activities to encourage and maintain students’ interests.  
- Data collected and monitored by all parties.

9th Grade  
P Intro to Manufacturing & Product Development  
- Recycling, basic engineering, basic electronics, shark tank entrepreneurship, renewable energy

10th Grade  
Adv Machine & Forming Technologies II  
- CADdrafting/VEX Robotics, Milling, Pneumatics and Mechanics

11th Grade  
Adv Machine & Forming Technologies III  
- Manufacturing of Electricity - Introduction to Automation

12th Grade  
Adv Machine & Forming Technologies IV  
- Green Energy: wind, solar, hydrogen fuel cell, bio fuel and energy audit

12th Grade  
P Adv Machine & Engineering Technologies IV  
- STEM, drones, robotics, applied science, technology, engineering and math.

Modesto Junior College - AS and/or Certificate in Industrial Electronics  
Example courses:  
ELTEC 208- Fundamental of Electricity and Electronics  
ELTEC 212- Digital Principles and Circuits  
ELTEC 322- Technical Measurements  
ELTEC 221- Instrumentation Dev. & Sys  
ELTEC 320- Electrical Safety  
ELTEC 321- Photovoltaic System

Degree/Transfer to a Four Year University/Employment
Public Services
(State Pathway Title: (232) Public Safety)
High School, 11th - 12th grade

Workplace Skills Development
- Teachers infuse workplace skills throughout daily lessons.
- Teamwork
- Cooperation
- Problem Solving
- Locating Information
- Planning
- Conflict Resolution
- Communication

Optional Courses
- Psychology
- Spanish
- Team Sports

Industry and Postsecondary Education Connection
- Guest Speakers
- Justice System Tours
- Resume building

10th, 11th & 12th Grade

P Criminal Justice
- Entry level skills related to the Criminal Justice System.
- Guest speakers, field trips and internships.

12th Grade

P Adv Police Procedures
- Emphasis on typical duties of a patrol officer.
- Knowledge and technology skill building needed to process crime scenes; including forensic evidence and investigative methodologies.

Modesto Junior College - AST or AA in Administration of Justice
Examples of courses:
ADJU 201- Intro to Administration of Justice
ADJU 205- Community Relations
ADJU 202- Principles/Procedures Justice System
ADJU 203- Concepts of Criminal Law
ADJU 204- Legal Aspects of Evidence
ADJU 222- Profiling Terrorism
ADJU 212- Criminal Investigation
ADJU 232- Juvenile Justice Procedures
ADJU 213- Patrol Procedures
ADJU 234- Crime Causation

Degree/Transfer to a Four Year University/Employment
Agriculture & Natural Resources  
(State Pathway Title: (103) Animal Science)  
High School, 9th - 12th grade

Workplace Skills Development
- Teachers infuse workplace skills throughout daily lessons.
- Teamwork
- Cooperation
- Problem Solving
- Locating Information
- Planning
- Conflict Resolution
- Communication

Industry and Postsecondary Education Connection
- Guest Speakers
- Industry/College Tours
- Resume Workshop
- Mock Interviews
- Employability Skills
- Students are enrolled concurrently and earning credits at MJC to reduce time to complete certificate.
- MJC instructors work with CUSD staff to insure continuity and equipment is up to date.
- Teachers infuse workplace “soft skills” throughout daily lessons in classes.
- Students are required to apply for postsecondary education program during senior year to continue education and training.
- Industry activities to encourage and maintain student interest.
- Data collected and monitored by all parties.

Extra Academic Instruction
MATH
- Cost Analysis
- Geometry
- Volume

ENGLISH LANGUAGE ARTS
- Technical Writing
- Technical Reading

9th Grade
- P Ag Leadership
  - Organization of FFA Activities
  - Public Speaking
- P Intro to Animal Ag
  - Introductory course of the animal agriculture

10th Grade
- P Ag Leadership
  - Organization of FFA Activities
  - Public Speaking
- P Introduction to Veterinary Science
  - Basic overview of veterinary field.
  - 2+2 MJC Articulation

11th Grade
- P Ag Leadership
  - Organization of FFA Activities
  - Public Speaking
- P Advanced Animal Science
  - Livestock management practices.
  - 2+2 MJC Articulation

12th Grade
- P Ag Leadership
  - Organization of FFA Activities
  - Public Speaking
- P Advanced Veterinary Science
  - Vet surgical procedures

Modesto Junior College - Certificate in Vet Technician, Cert in Large Animal Vet Technician and/or AS in Vet Technology, AS in Animal Science

Example courses:
- ANSC 250 Veterinary Physiology, Anatomy, and Terminology
- ANSC 251 Veterinary Pharmacy Procedures
- ANSC 252 Veterinary Equipment: Operation Instr and Safety
- ANSC 253 Veterinary Laboratory Procedures
- ANSC 254 Veterinary Medical Office Procedures
- AGEC 220 Agricultural Business Management
- AGEC 225 Agricultural Computer Application
- AG 115 Intro to Agricultural Education & Careers
- ANSC 257 Veterinary Assistance & Nursing: Animal Handling
- BIO 111 General Biology

Degree/Transfer to a Four Year University/Employment
CORE SUBJECT COURSES

Social Studies

4332/4333 AP Human Geography 9th Grade
Prerequisites: AP MOU signed by Parent and Student Weighted Grade
Grad Credit: Elective College Prep: CSU/UC (g)
This college level course is a yearlong course that focuses on the distribution, processes, and effects of human populations on the planet. The course provides a systematic study of human geography, including the following topics: Nature of and Perspectives on Geography, Population, Cultural Patterns and Processes, Political Organization of Space, Agricultural and Rural Land Use, Industrialization and Economic Development, Cities and Urban Land Use. The intent is to challenge young students with a college level social science course. The course curriculum and assignments are designed to improve critical thinking skills and prepare students to take the advanced placement exam. Students who earn a “3” or better on the AP exam may earn college credit. Note: The summer assignment is due on the first day of school.

4320/4321 P World History 10th Grade
Grad Credit: World History College Prep: CSU/UC (a)
This course examines modern world history, with a review on ancient civilizations then focuses on the 1700’s to present. The emphasis is on emerging ideologies, expansion of empires, growth of nations, and an increase of global interdependence. Students develop an understanding of current world issues and relate them to their historical, geographical, political, economic, and cultural context.

4324/4325 AP European History 10th Grade
Prerequisites: AP MOU signed by Parent and Student Weighted Grade
Grad Credit: World History College Prep: CSU/UC (a)
This college level course focuses on historical events and developments in Europe starting in 1450 through present day. The course curriculum and assignments are designed to improve reading, writing, speaking, and critical thinking skills and prepare students to take the advanced placement exam. Students who earn a “3” or better on the AP exam may earn college credit. Note: The summer assignment is due on the first day of school.
4326/4327 P U.S. History 11th Grade
Grad Credit: U.S. History College Prep: CSU/UC (a)

This course focuses on the major turning points in American history in the twentieth century. Students build upon the tenth grade study of global industrialization to understand the emergence and impact of new technology and a corporate economy, including the social and cultural effects. They trace the change in the ethnic composition of American society; the movement toward equal rights for racial minorities and women; and the role of the United States as a major world power. Students consider the major social problems of our time and trace their causes in historical events.

4328/4329 AP U.S. History 11th Grade
Recommendation: AP MOU signed by Parent and Student Weighted Grade
Grad Credit: U.S. History College Prep: CSU/UC (a)

This college level course focuses on developing students’ understanding of American history from approximately 1491 to the present. The class will investigate the content of U.S. History for significant events, individuals, developments, and processes. Students will be responsible for multiple research and writing assignments as well as reading a college level text. The course curriculum and assignments are designed to improve critical thinking skills and prepare students to take the advanced placement exam. Students who earn a “3” or better on the AP exam may earn college credit. Note: There will be summer work and it will be due on the first day of school.

4313 P Principles of Democracy 12th Grade
Grad Credit: Principles of Democracy College Prep: CSU/UC (a)

This 12th grade, one semester course will introduce the foundations of American government, democracy and politics. Topics of study will include the Constitution, Bill of Rights, the three branches of government, federalism (how the national, state, and local government work together), and elections and voting.

4312 P Economics 12th Grade
Grad Credit: Economics College Prep CSU/UC: (g)

This 12th grade, one semester course will introduce the foundations of microeconomics, macroeconomics, and financial literacy. Microeconomics, is the study of the interaction of people within the marketplace identifying the choices they make and how they impact the economy. The structure of the American economy is the focus. In macroeconomics, students study the role of government and international market on the American economy. This course meets graduation requirements.
4330/4331 AP American Government  12th Grade

Prerequisite: AP MOU signed by Parent and Student

Weighted Grade

Grad Credit: Principles of Democracy & Economics

College Prep: CSU/UC (a)

This college level course is designed to prepare students for college by providing students an understanding of the U.S. Constitution, the federal government and the US economy. There will be units on the three branches, the US voting system, interest groups, and the stock market macroeconomics. Additionally, students will have many opportunities to be involved in their classroom, their school and their community to apply the concepts of the course. The course curriculum and assignments are designed to improve critical thinking skills and prepare students to take the advanced placement exam. Students who earn a “3” or better on the AP exam may earn college credit. Note: During the summer, students will be required to complete summer assignment due on the first day of school.

4334/4335 P Ethnic Studies  11th-12th Grade

Grad Credit: Elective

College Prep: CSU/UC (g)

This course will allow students to dive into the historical and current oppression different ethnic groups have faced, as well as examples of solidarity between these different ethnic groups. Ethnic studies will have an emphasis on literacy, with many readings, writing assignments, as well as Socratic seminars and presentations. This class will also provide students with the opportunity to express their creativity, think critically about controversial issues, and contemplate solutions to these problems.

English

4030/4031 P English 9  9th Grade

Grad Credit: English

College Prep: CSU/UC (b)

This course focuses on analyzing literature and non-fiction. Core works and multi-cultural literatures are studied in-depth. Students respond to literature through a variety of writing, speaking, and listening activities. Essay writing are taught as a process. Grammar, punctuation, and vocabulary are taught throughout the course. Students also learn research skills, are expected to read grade-level material, and may be assigned reading and writing outside of the classroom.

4034/4035 Pre-AP English 9  9th Grade

Grad Credit: English

College Prep: CSU/UC (b)

This course lays the foundation for success in college level studies. It emphasizes critical thinking, reading, writing, and research. Students read short stories, novels, poetry, and non-fiction. All novels are read outside of class. Students write analytically, informatively, and creatively, developing a variety of writing skills and demonstrating accurate use of English conventions. Vocabulary is literature and SAT based. Students will read grade-level material and be assigned reading and writing outside of class.
**4036/4037 P English 10**  
10th Grade  
Grad Credit: English  
College Prep: CSU/UC (b)  
This course has a literature focus, with an emphasis on the author’s craft. A variety of literary genres will be studied, including short stories, poetry, novels, and plays as well as forms of non-fiction including essays, articles, and autobiographies. Reading comprehension strategies including inquiry, prediction, analysis, and synthesis will be taught. Process writings are taught and writing experiences are closely related to reading strategies and materials. Research skills and instruction for informative and argumentative writing will be provided. Language conventions, vocabulary expansion, and academic language are taught throughout. Students will be expected to read grade-level material and will be assigned reading and writing outside of class.

**4038/4039 Pre-AP English 10**  
10th Grade  
Grad Credit: English  
College Prep: CSU/UC (b)  
This course lays the foundation for success in college level studies. It emphasizes written and oral expression, vocabulary expansion, word usage, mechanics, and varied sentence structures. Areas of study include: analytical reading, essay and research writing, practice with AP-style prompts and writing, MLA format, appreciation and analysis of various genres of writing. Students are expected to read grade-level material and will be assigned reading and writing outside of class. Summer work assigned and due the first day of school.

**4040/4041 P English 11**  
11th Grade  
Grad Credit: English  
College Prep: CSU/UC (b)  
This course emphasizes American literature non-fiction, incorporating foundational U.S. documents of historical and literary significance. Language usage, vocabulary, spelling, and writing conventions are studied. A variety of literary, oral, and writing experiences are offered: multi-cultural literature, novel, play, short story, poetry, essay, creative writing, research paper, and public speaking. Students are expected to read grade-level material and will be assigned reading and writing outside of class.

**4042/4043 AP English Language**  
11th Grade  
Prerequisite: AP MOU signed by Parent and Student  
Weighted Grade  
Grad Credit: English  
College Prep: CSU/UC (b)  
This course is often called “a college course on a high school campus.” Students will read a variety of prose from varying time periods, disciplines, and contexts. It is also a course in American literature. Students will be expected to read independently and be tested on a novel a month from the canon of American literature. Students will develop skills at writing for a variety of purposes and audiences. Assignments will emphasize writing arguments, rhetorical analyses, and research papers. Students should be writing at (or have the ability to reach) college level. Students are responsible for making sure they have received the summer assignment before leaving for summer vacation. Entrance to the course is based on testing data, staff recommendation, and writing samples. Please see the syllabus on the Ceres High School website for a more complete course description. Course curriculum and assignments will be designed to prepare students for taking the advanced placement exam. Students who earn a “3” or better on the AP exam may earn college credit. Note: The summer assignment is due on the first day of school.
5398/5399 P Expository Reading & Writing

Grad Credit: English
College Prep: CSU/UC (b)

The goal of this course is to prepare college bound seniors for literacy demands in higher education. Students will learn about the rhetorical strategies employed by authors and apply those strategies in their own writing. They will read closely to examine the relationship between an author’s argument or theme and his or her audience and purpose; to analyze the impact of structural and rhetorical strategies; and to examine the social, political and philosophical assumptions within each text. By the end of the course, students will be able use this process independently when reading unfamiliar texts and write in response to them.

4046/4047 AP English Literature & Composition

Prerequisite: AP MOU signed by Parent and Student
Grad Credit: English
College Prep: CSU/UC (b)

This college-level course focuses on 16th century literature through the post-modern era. The course involves extensive reading, analysis, and writing. Students are expected to complete a large amount of work outside the classroom. Entrance to the course is based on testing data, staff recommendation, and writing samples. Course curriculum and assignments will be designed to prepare students for taking the advanced placement exam. Students who earn a “3” or better on the AP exam may earn college credit. Note: The summer assignment is due on the first day of school.

4050/4051 P Creative Writing

Grad Credit: Elective
College Prep: CSU/UC (g)

This course is an elective for students who love to write and are interested in exploring a variety of types of creative writing in all stages of the writing process. Students will read and critique published writings and use them as models to compose their own writing projects. Students will write pieces in each of the four main genres: poetry, non-fiction (including memoir and journalism), fiction, and screenwriting. Students will participate in writer’s workshops where they will receive feedback on their work, as well as give feedback to classmates. Extensive time for writing, revision and re-writing will be provided before and after workshops to give students ample time to produce final drafts of which they are proud. Final drafts may be published in print, online and/or verbally performed. Students taking this class should be prepared to read, write, and participate in discussions on a daily basis in order to create a community of emerging writers.
4054/4055 P Reading Like a Writer 9th-12th Grade

Grad Credit: Elective (pending) College Prep: CSU/UC (g)

This course is an elective for students who love to read and write and are interested in analyzing different aspects of published writing in order to create pieces of their own. Students will study elements of the author’s craft including sentence structure, word choice, and punctuation, as well as how these elements of craft combine to contribute to the text’s message, argument, mood, and tone. Written texts studied will include short stories, speeches, memoirs, and poems; verbal craft will also be analyzed in podcasts, spoken word poems, lyrics, and scripts. In this course we will write and revise for a variety of audiences in order to become experts at changing the argument, message, mood and tone created. Students taking this class should be prepared to read, write, and participate in discussions on a daily basis in order to create a community of critical readers and emerging writers who can analyze the author’s craft in order to create writings of their own.

4052/4053 P Speech 9th-12th Grade

Grad Credit: Elective (pending) College Prep: CSU/UC (g)

This course is a beginning speech communications course that teaches students to be better speakers, thinkers, and analyzers. Students will be introduced to the basic skills and types of public speaking. This course provides students the opportunity to develop confidence and poise of speaking before an audience within a supportive atmosphere. Students will develop and deliver various types of speeches and provide analysis and feedback to peers in order to demonstrate their recognition and understanding of proper speaking and delivery skills. Experiences such as debate and partner presentations to also practice public speaking skills.

ELD Courses

English Language Development

Designed for students with very limited English language proficiency

4014/4015 ELD 2A-English Language Structure and Vocabulary 9th-12th Grade

Grad Credit: English

This course is intended for Emerging students of English. It focuses on increasing students’ English skills in the areas of speaking, listening, reading, and writing in order to help them be successful in school and in any other English-speaking environment. Special emphasis will be placed on basic vocabulary, academic vocabulary, and sentence structures used when both speaking and writing English. At the end of the course, students will be able to express themselves by writing brief texts and speaking basic English.
4016/4017 ELD 2B-English Language Structure and Vocabulary 9th-12th Grade

Grad Credit: English

This course is intended for students who are transitioning from Emerging students of English into Expanding students of English. It focuses on increasing students’ skills in reading, writing, speaking and listening in order to help them be successful in school and in any other English-speaking environment. Special emphasis will be placed on basic and academic vocabulary development and a proper use of a variety of sentence structures when both speaking and writing English. At the end of the course, students will be able to write texts using academic language, use a variety of sentence structures, and speak English with increased fluency.

5314/5315 ELD 1B English Support 9th-12th Grade

Grad Credit: Elective

This course is a bridging level English language development class. The class content is designed to help students acquire grade level English language proficiency in listening, speaking, reading and writing. When time allows, some class time will be used to support students with assignments in their core classes. As much as possible, the English support teacher or a paraprofessional instructor will accompany students in their core English classes to assist them with comprehension of the material, completion of assignments and preparation for exams. The ELD 1B curriculum and instruction, when appropriate, will be incorporated with content area concepts and standards.

Mathematics

4168/4169 P Int. Mathematics I 9th Grade

Grad Credit: Int. Mathematics I/Equivalent College Prep: CSU/UC (c)

This course will formalize and extend the mathematics learned in Math 7 and 8. Through both content standards and math practices, students learn concepts and skills in the critical areas of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. This course meets the California high school graduation requirement for completion of Algebra I.

4176/4177 P Int. Acc. Mathematics I 9th Grade

Grad Credit: Int. Mathematics I/Equivalent College Prep: CSU/UC (c)

This course lays the foundation for success in college, it will also formalize and extend the mathematics learned in Math 7 and 8 at an accelerated progression. Through both content standards and math practices, students learn concepts and skills in the critical areas of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. Students deeply analyze the concepts and skills necessary for placement in AP Calculus upon successful completion of the P Int. Acc. Mathematics I through P Int. Acc. Mathematics III course sequence.
4170/4171 P Int. Mathematics II

Grad Credit: Int. Mathematics I/Equivalent or Math College Prep: CSU/UC (c)

This course will extend the mathematics concepts and skills covered in P Int. Mathematics I. Through both content standards and math practices, students deepen learning of concepts and skills in the critical areas of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability.

4178/4179 P Int. Acc. Mathematics II

Prerequisite: PASS P Int. Acc. Mathematics I or Completion of Summer Bridge I Course

Grad Credit: Int. Mathematics I/Equivalent or Math College Prep: CSU/UC (c)

This course lays the foundation for success in college and will extend the mathematics concepts and skills covered in P Int. Acc. Mathematics I. Through both content standards and math practices, students deepen learning of concepts and skills in the critical areas of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. Students learn through deep analysis of the concepts and skills necessary for placement in AP Calculus upon successful completion of the P Int. Acc. Mathematics I through P Int. Acc. Mathematics III course sequence.

4172/4173 P Int. Mathematics III

Grad Credit: Int. Mathematics I/Equivalent or Math College Prep: CSU/UC (c)

This course will complete the learning of mathematics concepts and skills covered in P Int. Mathematics II. Through both content standards and math practices, students deepen learning of concepts and skills in the critical areas of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability.

4180/4181 P Int. Acc. Mathematics III

Prerequisite: PASS P Int. Acc. Mathematics II or Completion of Summer Bridge II Course

Grad Credit: Int. Mathematics I/Equivalent or Math College Prep: CSU/UC (c)

This course lays the foundation for success in college by continuing with concepts and skills covered in P Int. Acc. Mathematics II. Through both content standards and math practices, students deepen learning of concepts and skills in the critical areas of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. Students learn through deep analysis of the concepts and skills necessary for placement in AP Calculus upon successful completion of the P Int. Acc. Mathematics II through P Int. Acc. Mathematics III course sequence.

4146/4147 P Pre-Calculus

Prerequisite: Completion of P Int. Mathematics III

Grad Credit: Int. Mathematics I/Equivalent or Math College Prep: CSU/UC (c or g)

This course will cover a variety of standards from Linear Algebra, Trigonometry, and Mathematical Analysis to prepare students for a Calculus class in college. This course also prepares students for studies in the sciences, computers, and engineering. Students are required to have their own scientific calculator for use in the classroom and for homework.
**4148/4149 AP Calculus**  
**12th Grade**

Prerequisite: Completion of P Int. Acc. Mathematics III and

AP MOU signed by Parent and Student

Grad Credit: Int. Mathematics I/Equivalent or Math

This college level course is designed for students planning to enter the fields of engineering, economics, life Sciences, math, and physical science. Topics of study include: limits, differentiation, integration, logarithmic functions, trigonometric functions, and more. AP Calculus is the equivalent of one semester of college calculus. Students are required to have their own (or check one out from the library) graphing calculator for use in the classroom and for homework. Required summer work will include a series of worksheets using a graphing calculator. The course curriculum and assignments are designed to improve critical thinking skills and prepare students to take the advanced placement exam. Students who earn a “3” or better on the AP exam may earn college credit.

Note: The summer assignment is due on the first day of school.

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**4182/4183 AP Calculus BC**  
**12th Grade**

Prerequisite: Completion of P Int. Acc. Mathematics III and

AP MOU signed by Parent and Student

Grad Credit: Int. Mathematics I/Equivalent or Math

This college level course is designed for students planning to enter the fields of engineering, math, and physical science. Following the College Board’s suggested curriculum designed to parallel college-level calculus courses, this AP Calculus BC course provides students with an understanding of the concepts of calculus and experience with its methods and applications. This course covers all of the calculus topics in AP Calculus as well as the following topics: parametric, polar, and vector functions; applications of integrals; and polynomial approximations and series, including series of constants and Taylor series. AP Calculus BC is the equivalent of two semesters of college calculus. The course curriculum and assignments are designed to improve critical thinking skills and prepare students to take the advanced placement exam. Students who take and earn a “3” or better on the AP Calculus BC exam may earn college credit for one-semester, two-semesters or both of college calculus. Students are required to have their own (or check one out from the library) graphing calculator for use in the classroom and for homework. Students who earn a “3” or better on the AP exam may earn college credit. Required summer work will include a series of worksheets using a graphing calculator. Note: The summer assignment is due on the first day of school.
**4150/4151 AP Statistics**  
**11th-12th Grade**

Prerequisite: Completion of P Int. Mathematics II or higher level math*
and AP MOU signed by Parent and Student

Weighted Grade

Grad Credit: Int. Mathematics I/ Equivalent or Math

College Prep: CSU/UC (c or g)

This college level course is designed for college-preparatory students to introduce them to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Topics of study include: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. The course curriculum and assignments are designed to improve critical thinking skills and prepare students to take the advanced placement exam. Note: The summer assignment is due on the first day of school. *11th grade students enrolled in this course must be concurrently enrolled in P Int. Mathematics III or Int. Acc. Mathematics III.*

**Science**

**4550/4551 P Physics of the Universe**  
**9th Grade**

Grad Credit: Physical Science

College Prep: CSU/UC (d)

This is a NGSS (Next Generation Science Standards) aligned course that deals with the major aspects of physics using concepts in Earth Science as a lens to study our universe. The class follows a traditional schedule with units on Space and Astronomy, Waves and Oscillations, Newton’s Laws of Motion, Momentum and the Law of Conservation of Momentum, Electricity and Magnetism, and the forms of Energy and the Law of Conservation of Energy. By the end of the year, students will have gained knowledge on how physics underlies everything in the Universe as well as skills to analyze and predict any phenomena.

**4552/4553 P Adv. Phys. in the Universe**  
**9th Grade**

Grad Credit: Physical Science

College Prep: CSU/UC (d or g)

This is a NGSS (Next Generation Science Standards) aligned course that deals with the major aspects of physics in a more in depth level using concepts in Earth Science as a lens to study our universe. The class follows a traditional schedule with units on Space and Astronomy, Waves and Oscillations, Newton’s Laws of Motion, Momentum and the Law of Conservation of Momentum, Electricity and Magnetism, and the forms of Energy and the Law of Conservation of Energy. By the end of the year, students will have gained knowledge on how physics underlies everything in the Universe as well as skills to analyze and predict any phenomena.
4558/4559 P Chem in the Earth Systems 10th Grade
Grad Credit: Physical Science
College Prep: CSU/UC (d or g)
This course is an NGSS (Next Generation Science Standards) aligned chemistry course where students will explore physical science concepts that build comprehension around matter, its properties, and its interactions with other matter and energy. The units within this course are presented thematically to provide a context for student learning. Students will explore concepts in chemistry and apply their understanding of these concepts in the context of Earth Science. The integration of relevant Earth Science concepts such as ocean acidification and climate change are designed to deepen student understanding of chemistry’s role in Earth’s systems and society.

4560/4561 P Adv. Chem in the Earth Systems 10th Grade
Grad Credit: Physical Science
College Prep: CSU/UC (d or g)
This course is a NGSS (Next Generation Science Standards) aligned chemistry course where students will explore physical science concepts in a more in depth way that builds comprehension around matter, its properties, and its interactions with other matter and energy in a deeper conceptual setting. The units within this course are presented thematically to provide a context for deeper student learning and application. Students will explore concepts in chemistry and apply their understanding of these concepts in the context of Earth Science focusing on deeper exploration on the topics presented. The integration of relevant Earth Science concepts such as ocean acidification and climate change are designed to deepen student understanding of chemistry’s roles in Earth’s systems and society.

4260/4261 P Biology the Living Earth 11th Grade
Grad Credit: Life Science
College Prep: CSU/UC (d or g)
This is the third course in the three year integrated science program based on NGSS (Next Generation Science Standards) and includes the necessary Earth Science standards. The units in this course will focus on ecosystems interactions and energy, photosynthesis and respiration, evolution, inheritance/genetics, cells and organisms, and ecosystem stability and the response to climate change.

4226/4227 AP Biology 11th-12th Grade
Prerequisite: AP MOU signed by Parent and Student
Grad Credit: Life Science
College Prep: CSU/UC (d or g)
This college level course is equivalent to an introductory college biology course taken by first year Biology majors. Topic of study will include these areas of investigation: molecules and cells, heredity and evolution, and organisms and population. The course curriculum and assignments are designed to improve critical thinking skills and prepare students to take the advanced placement exam. Students who earn a “3” or better on the AP exam may earn college credit.
**4236/4237 P Anatomy/Physiology**  
11th-12th Grade

Grad Credit: Life Science  
College Prep: CSU/UC (d or g)

This course is the study of the human body. It is intended to give the student a continued emphasis in science and the scientific process in the context of the human body. The course is divided into two sections, anatomy—the study of body part location and relationship to the whole, and physiology—the study of the function of the parts of the systems which make the body work. Dissection of preserved animals is a requirement of this course; adequate alternative assignments are not possible.

**4242/4243 AP Physics**  
11th-12th Grade

Prerequisite: AP MOU signed by Parent and Student  
Weighted Grade

Grad Credit: Physical Science  
College Prep: CSU/UC (d or g)

This college level course is an algebra-based physics class. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It also introduces electric circuits. Hands-on laboratory work, demonstrations, classroom discussions, and projects are the core of the course. Mathematical analysis of these concepts will be emphasized. The course is designed for students pursuing careers in science, engineering, or mathematics. The course curriculum and assignments are designed to improve critical thinking skills and prepare students to take the advanced placement exam. Students who earn a “3” or better on the AP exam may earn college credit. Note: The summer assignment is due on the first day of school.

**1972/1973 AP Environmental Science**  
11th-12th Grade

Prerequisites: AP MOU signed by Parent and Student  
Weighted Grade

Grad Credit: Physical or Life Science  
College Prep: CSU/UC (d)

This college level course is designed to be the equivalent of an introductory college course in environmental science. The goal of the course is to provide students with the concepts and laboratory techniques required to understand the natural world, to identify and analyze environmental problems both natural and human-made, and to examine alternative solutions for solving or preventing them. Environmental Science is interdisciplinary; it embraces a wide variety of topics from different areas of study including Earth science, biology, chemistry and physics. The textbook is a college-level text and the lab work is equivalent to that done in a college setting. The course is designed to be taken by students who have successfully completed both high school biology and chemistry and who have a good work ethic when it comes to their studies. **NOTE:** Juniors must be concurrently enrolled in P Biology the Living Earth or AP Biology. Students who earn a “3” or better on the AP exam may earn college credit. Note: The summer assignment is due on the first day of school.
ELECTIVE SUBJECT COURSES

Foreign Language

4400/4401 P Spanish I 9th-12th Grade
Grad Credit: Foreign Language College Prep: CSU/US (e)
This course is a college-prep paced foundation to foreign language study. Students with a Spanish-speaking background will take a placement test for appropriate placement in the Spanish for Spanish Speakers track.

4402/4403 P Spanish II 9th-12th Grade
Grad Credit: Foreign Language College Prep: CSU/UC (e)
This course builds on the skills learned in Spanish I.

4406/4407 P Spanish for Spanish Speakers II 9th-12th Grade
Prerequisite: Placement test or Completion of Spanish Speakers I
Grad Credit: Foreign Language College Prep: CSU/UC (e)
This course follows Spanish II curriculum with an emphasis on the skills needed by native speakers of Spanish.

4404/4405 P Spanish III 10th-12th Grade
Grad Credit: Foreign Language College Prep: CSU/UC (e)
This course builds on the skills learned in Spanish II. There is an emphasis on literature and written analysis.

4408/4409 P Spanish for Spanish Speakers III 9th-12th Grade
Prerequisite: Placement test or Completion of P Spanish for Spanish Speakers II
Grad Credit: Foreign Language College Prep: CSU/UC (e)
This course follows Spanish III curriculum with an emphasis on the skills needed by native speakers of Spanish. There is an emphasis on literature and written analysis.
**4410/4411 AP Spanish Language**  
10th-12th Grade  
Prerequisite: AP MOU signed by Parent and Student  
Grad Credit: Foreign Language  
Grad Credit: Foreign Language  
College Prep: CSU/UC (e)  

This college level course follows the AP curriculum. The course curriculum and assignments are designed to improve critical thinking skills and prepare students to take the advanced placement exam. Students who earn a “3” or better on the AP exam may earn college credit. Note: The summer assignment is due on the first day of school.

**4412/4413 AP Spanish Literature**  
11th-12th Grade  
Prerequisite: AP MOU signed by Parent and Student  
Grad Credit: Foreign Language  
Grad Credit: Foreign Language  
College Prep: CSU/UC (e)  

This college level course follows the AP curriculum. The course curriculum and assignments are designed to improve critical thinking skills and prepare students to take the advanced placement exam. Students who earn a “3” or better on the AP exam may earn college credit. Note: The summer assignment is due on the first day of school.

**4426/4427 P Portuguese I**  
9th-12th Grade  
Grad Credit: Foreign Language  
Grad Credit: Foreign Language  
College Prep: CSU/US (e)  

This course is open to all students who wish to begin the study of Portuguese as a world language. It is intended to develop novice to mid-novice oral and written language proficiency, reading and listening skills as well as the use of grammar and vocabulary appropriate for this level. Students will demonstrate competency by being able to communicate orally and in writing within the scope of each unit. The course provides multi-modal instruction, practice, and reinforcement of the target language and incorporates technology with the use of videos, songs, online games, document camera, Google Slides, and Google Docs by the teacher during regular instruction and by the students during projects and presentations.

**4428/4429 P Portuguese II**  
10th-12th Grade  
Grad Credit: Foreign Language  
Grad Credit: Foreign Language  
College Prep: CSU/US (e)  

This course builds on the first year of Portuguese and is focused on culture, communication, and connections to other disciplines. Students will be expected to perform at an intermediate level by the end of this course.

**4470/4471 P Portuguese III**  
11th-12th Grade  
Grad Credit: Foreign Language  
Grad Credit: Foreign Language  
(pending) College Prep: CSU/US (e)  

This course builds on the second year of Portuguese and is focused on culture, communication, and connections to other disciplines. Students will be expected to perform at an advanced level by the end of this course.
Visual and Performing Arts

4500/4501 P Art I  9th-12th Grade
Grad Credit: Fine Art  College Prep: CSU/UC (f)
This beginning art course is designed for the student who has had little or no formal art training. Students will learn the elements of art, and basic design principles. Students will be introduced to art movements in history and their influence on today's world. They will develop basic skills in drawing, painting, and design using a wide variety of media.

4502/4503 P Art II  10th-12th Grade
Grad Credit: Fine Art  College Prep: CSU/UC (f)
This course is designed for the second year art student who enjoys being creative, feels he/she has some artistic ability and wants to learn more. Art II is for those students who are interested in pursuing Art III and/or AP Studio Art, and also interested in pursuing some type of art beyond High School, or students interested in majoring in an art related field in college. This course will expand their design, drawing, painting and creative skills using various media including graphite, charcoal, and acrylic paint.

4504/4505 P Art III  11th-12th Grade
Grad Credit: Fine Art  College Prep: CSU/UC (f)
This advanced course is designed for the third year, motivated art student interested in pursuing AP Studio Art and/or continuing to develop their advanced art skills and techniques. This course assists in preparing students interested in pursuing some type of art beyond High School, or students interested in majoring in an art related field in college. Students will expand their advanced design, drawing, painting and creative skills using various media including graphite, charcoal, and acrylic paint.

4506/4507 AP Studio Art (2D or Drawing)  11th-12th Grade
Prerequisite: AP MOU signed by Parent and Student  Weighted Grade
Grad Credit: Fine Art  College Prep: CSU/UC (f)
The AP art program is intended for highly motivated artists interested in pursuing their advanced art skills and techniques, students interested in pursuing some type of art beyond High School, and/or students interested in majoring in an art related field in college. Students are expected to work in and out of class on their portfolio, which consists of a series of art projects concentrating on a visual concept, theme and interest area. Students are also required to submit a series of “Breadth of Knowledge” art pieces displaying their dills and techniques in various materials and outcomes. (HINT: Save all of your work from Art II & III). Portfolios are submitted in the Spring for which students may receive college credit.
4532/4533 P Computer Graphics I 9th-12th Grade
Grad Credit: Fine Art  College Prep: CSU/UC (f)

This course is one in which students will express their original creativity visually and develop & showcase their ability to communicate ideas through a variety of graphic media. Students learn the basics of graphic design in preparation of original art, combining typography, page layout, and integrated graphic elements. Instruction will be given in the following areas: Elements of art & principals of design, mechanical & computer design methods, printmaking, digital painting, package design, branding, and historical and cultural development of the graphics industry. The course will give students confidence in organizing ideas, creating meaning in their original work, and the ability to create digital art. Components of the California State Standards and Performing Arts Framework are integrated into the curriculum.

4536/4537 P Advanced Dig Photo/Graphics 10th-12th Grade
Prerequisite: Completion of P Computer Graphics I
Grad Credit: Fine Art  College Prep: CSU/UC (f)

This course is a second year course, where students explore advanced integration of digital media including digital images, computer graphics, and digital painting. Students work on Multimedia projects from concept (content gathering/research) to project completion (authoring/transmission) and focus on media and visual communication. Students research historical and cultural context as well as develop and demonstrate skill through critique, creation of photographic and multimedia projects and presentations. Venues include portfolios, web productions, and live presentations. This course also prepares students to work in teams and deploy projects for community organizations and businesses. Students will study Art Elements and Principles of Design. Throughout the year students work on creating a print portfolio. Their portfolio focuses on their chosen area of study within graphic design.

4554/4555 P Video Production 9th-12th Grade
Grad Credit: Fine Art  College Prep: CSU/UC (f)

This course is designed for the student interested in creating and producing videos for documentaries, reports, instruction, and individual creative interests. The course introduces concepts in production, taping, lighting, sound, blue and green screen technology, and linear editing. The student will use the Adobe editing, sound, and production software. The course will introduce mid-range video cameras with supporting equipment.

4556/4557 P Advanced Video Production 10th-12th Grade
Prerequisite: Completion of P Video Production
Grad Credit: Fine Art  College Prep: CSU/UC (f)

This course is the second year course for students who wish to continue creative projects in video media, video broadcasting, and news production. Students will produce, record, and edit using Adobe Editing, Special Effects, and Sound software.
4546/4547 P Literature and History via Film  11th-12th Grade
Grad Credit: Fine Art  College Prep: CSU/UC (f)

This course is an introductory film studies course. The course focuses on teaching movies as visual stories and applying aspects of literature to the films (plot structure, symbolism, character development), as well as taking a closer look at various historical moments as portrayed through film. Students will study, analyze, and write about the language of film (camera techniques, editing, sound, acting), along with analyzing and writing about film genres (drama, comedy, horror, musicals, foreign, found footage). Most importantly, this is NOT a film class where students will simply sit and watch movies.

4522/4523 P Dance Prod I  9th & 10th-12th Grade
Grad Credit: Fine Art or PE  College Prep: CSU/UC (f)

This beginning dance course focuses on developing techniques in a variety of disciplines: Jazz, Ballet, Contemporary, Hip-Hop, and Ethnic dance. Elements of dance composition are explored through choreography assignments culminating in performance. Emphasis is placed on developing skills in dance techniques and terminology. The history of dance and development of critical analysis will include performances: ticket sales, props, costume design, and dance choreography. 9th grade Dance will now meet the PE requirement; students will be taught the potential deadly effects of HIV/AIDS. Included in this unit will be: means of transmission, high risk activities, bodily fluids that contain the virus, ways to protect yourself, etc. In addition, 9th grade dance students will spend time preparing and taking the CA Physical Fitness Test.

4524/4525 P Dance Prod II  10th-12th Grade
Grad Credit: Fine Art or PE  College Prep: CSU/UC (f)

This intermediate dance course will build on skills and terminology that students learned in Dance Prod I. Dance Prod II focuses on further developing techniques in a variety of disciplines including jazz, Ballet, Modern, Contemporary, Hip Hop and Ethnic Dance. Elements of dance composition will be explored through advanced choreography assignments that culminate in performance. A strong emphasis is placed on perfecting skills in dance technique and terminology. The history of dance and development of critical analysis will be included in the program, along with the health-based curriculum. Students are required to participate in the Spring Dance Showcase. Students will be involved in all aspects of a performance: tickets, sales, props, costumes, fundraising, and dance choreography.
4526/4527 P Advance Dance Prod. 9th-12th Grade

Prerequisite: Audition

Grad Credit: Fine Art or PE College Prep: CSU/UC (f)

This course is an advanced dance production class for students who are interested in performing and pursuing dance for personal interest, further academic preparation for post-secondary tracks, or for a possible career in dance or dance-related field. This course will continue to build on the skills that students work on in Dance Prod II. This course focuses on perfecting technique in a variety of disciplines including Jazz, Ballet, Modern, Contemporary, Hip Hop and Ethnic Dance. Elements of dance composition will be explored through advanced choreography assignments that culminate in performance. A strong emphasis is placed on perfecting skills in dance technique and terminology. The history of dance and development of critical analysis will be included in the program, along with the health-based curriculum. Students are required to participate in a variety of performances both on and off campus as well as the Spring Dance Showcase. Students will be involved in all aspects of a performance: tickets, sales, props, costumes, fundraising, and dance choreography.

4486/4487 P Theater Arts I 9th-12th Grade

Grad Credit: Fine Art College Prep: CSU/UC (f)

This course covers the basics of production. There will be strong focus on acting skills including theory and performance; technical design in the areas of lighting, sound, set, costume and make-up; component of the business side of show business. Students will study theater history, and will read works ranging from the classics to modern time. They will also be introduced to script writing. Students will have the opportunity to attend productions and audition for school plays. There will be a public performance given by students at the end of the year.

4488/4489 P Theater Arts II 10th-12th Grade

Prerequisite: Completion of P Theater Arts I

Grad Credit: Fine Art College Prep: CSU/UC (f)

This course will further develop the production skills which were introduced in Theater I. Students will be required to practice in school productions and after-school rehearsals; production hours are mandatory. The class will focus on acting skills through monologues, duets, and scenes as well as audition materials. Students will be introduced to stage combat, musical theater, and ensemble stage movement. Students will further their study in theater history, read plays from famous authors, and write scripts for the theater. There will be a public performance given by the students at the end of the year. This is a performance-based class.

4490/4491 P Theater Arts III 11th-12th Grade

Prerequisite: Completion of P Theater Arts II

Grad Credit: Fine Art College Prep: CSU/UC (f)

This course will continue to work on the foundations taught in Theater Arts I and II, but focus on performance skills. Students will strive for mastery in movement, voice, improvisation, and expanded character development. Students will be expected to be involved in writing and explore theater design, theater business, audition techniques, and understanding self to build character.
4492/4493 P Theater Arts IV 12th Grade
Prerequisite: Completion of P Theater Arts III
Grad Credit: Fine Art College Prep: CSU/UC (f)
This course is the advanced studies class for emerging actors and actresses. Students will be expanding their various acting skills and working toward the mastery required to audition and perform at the high school level and above, including community theater and area college productions. Students will work closely together on classroom projects with a mix of 2 levels, experience giving and receiving constructive criticism of their work. Students will also explore the behind-the-scenes world and the history of the theater. Public performances will be required.

5364/5365 Stagecraft and Theater Tech. 9th-12th Grade
Grad Credit: Elective
This course will have students analyzing literature and translate the written page to the stage through set, props, light, and sound designs. Students will learn the principles and techniques of building, painting, mounting, and rigging stage scenery; theory and practice in stage lighting. Individual project work will be included.

4494/4495 P Guitar I 9th-12th Grade
Grad Credit: Fine Art College Prep: CSU/UC (f)
This course will cover beginning guitar, including theory and history. Guitar students will explore various techniques and music cultures throughout the academic school year.

4548/4549 P Royal Color Guard 9th-12th Grade
Prerequisite: None
Grad Credit: Fine Art College Prep: CSU/UC (f)
This course explores areas of marching auxiliary units, including flags, and weapon units. It also offers students an opportunity to participate in band reviews, field show competitions, and football half-time shows. This unit is part of the award-winning Royal Scarlet Brigade and Guard Marching Unit. All performances and extra rehearsals are mandatory. Students MUST participate in the Field Show Band and Winter Guard. Students may also audition for the symphonic, jazz, and county and state honor bands. Additional credit is available as a Team Sport for participation in Field Show, Winter Guard and Winter Percussion, if requirements are met by completion of the season.
**4438/4439 P Wind Ensemble**  
9th-12th Grade

Grad Credit: Fine Art College Prep: CSU/UC (f)

This course is offered to band students with prior instrumental band knowledge. This course explores music designed from smaller instrumentation and offers music with a higher level of difficulty. Students MUST participate in the Field Show Band. Students may also audition for the symphonic, jazz, county, and state honor bands. **All performances and extra rehearsals are mandatory.** Additional credit available in P.E. for Field Show and Winter Percussion, if requirements are met by completion of season.

**5406/5407 P Percussion Band**  
9th-12th Grade

Prerequisite: 1 year of instrument play

Grad Credit: Fine Art College Prep: CSU/UC (f)

This course is open to any student who has previously played an instrument(s) for one year and can demonstrate basic performance skills. Percussion members will learn to perform many different styles of concert and marching percussion. Students without previous instrument play will need to work with instructor to gain prerequisite skills.

**4448/4449 P Concert Choir**  
9th-12th Grade

Grad Credit: Fine Art College Prep: CSU/UC (f)

This course is made up of both men and women. Choir members will receive instruction in vocal techniques, basic music theory, and reading music. Singers will perform a variety of choral music. There will be approximately five or more mandatory performances per year.

**4456/4457 AP Music Theory**  
9th-12th Grade

Prerequisite: AP MOU signed by Parent and Student and 1 yr of Music or Concurrent Enrollment

Grad Credit: Fine Art (pending) College Prep: CSU/UC (f)

This college level course is for those who wish to earn credits for a college level music theory course. This course emphasizes aspects of 21st century music in composition, keyboard, music software skills, analysis, history, and style. Musicianship skills in reading and performing music are viral parts in AP Music Theory. It is also assumed that the student has acquired (or currently acquiring) basic performance skills in voice or other instruments. The ultimate goal of an AP Music Theory course is to develop a student’s ability to recognize, understand, describe, and demonstrate the basic materials and processes of music that are heard or presented in a score. Students who earn a “3” or better on the AP exam may earn college credit. Note: The summer assignment is due on the first day of school.
4578/4579 P Mariachi Band  
9th-12th Grade

Grad Credit: Fine Art  
(pending) College Prep: CSU/UC (f)

This course is a year long course designed to assist students with developing and enhancing musicianship skills through the study of music composed expressly for mariachi ensembles. In this setting, the ability to practice and perform an instrument with considerable technical proficiency and esthetic sensitivity will be emphasized. Students will encounter a wide-range of Mexico’s traditional music that may include bolero, chotis, clásica, corrido, cumbia, huapango, jarabe, poka, ranchera, serenata, son jaliscience, and vals. Public and school performances may be applied to the course to demonstrate skill levels and cultural awareness within the community. Students are expected to play a mariachi instrument and sing in Spanish.

Physical Education

5002/5003 Frosh P.E.  
9th Grade

Grad Credit: P.E.

This course is designed to present students with a balance of individual and team activities; emphasis is placed on the development of skill fundamentals and the “why’s” and “how’s” of movement. Students participate in the following activities: basketball, football, fitness, soccer, volleyball, pickle ball, floor hockey, softball, and swimming. The primary goals of this class are fitness development, social and skill development and activity. Skills addressed are: aquatics, individual, dual and team sports, and dynamic health. In addition, students will be taught the potential deadly effects of HIV/AIDS. Included in this unit will be; means of transmission, high risk activities, bodily fluids that contain the virus, ways to protect yourself, etc.

5004/5005 P.E.  
10th-12th Grade

Grad Credit: P.E.

This course is designed to allow students to further their individual skills through a variety of activities and team sports. Maintaining individual fitness to promote healthy living is a key component of this course. Skills addressed are: individual and team sports, aquatics, and mechanics of body movement.

5000/5001 Aerobics  
10th-12th Grade

Grad Credit: P.E.

This course is designed to improve individual students’ fitness levels. Students will participate in activities such as Pilates, yoga, power-walking, hand weight work-outs, etc. Other topics of study include nutrition, body composition, and other health-related issues. Skills addressed are: mechanics of the body, movement, rhythm, combative, and dynamic health.
5007/5008 Weight Training 10th-12th Grade
Grad Credit: P.E.
This course teaches students basic principles of strength training. Students learn a variety of techniques to improve muscular strength, muscular endurance, cardio respiratory endurance, and flexibility. Students will participate in the following activities: weight workouts, running, plyometrics, aerobic exercises, and stretching. Skills addressed are: mechanics of the body and movement and dynamic health.

5006 Team Sports 9th-12th Grade
Grad Credit: P.E.
This course is for students who participate in a sport offered through Ceres High School’s Athletic program, outside of the school day. Students may earn 5 credits for each sport but no more than 10 credits per year. This course is offered as credit only (will not affect GPA). A student not completing the sport will be dropped from the course and will not earn the 5 credits for that sport. 3-sport athletes will earn a maximum of 10 credits per year. Team Sports credits will be applied to the student’s P.E. graduation requirement. Skills addressed are: team sports, mechanics of the body, and combative sports.

5412 Athletic Training 10th-12th Grade
Grad Credit: Elective
This semester course will teach basic concepts in athletic training. Topics/skills included in this course; basic injury diagnosis, injury treatment, taping, rehabilitation, etc. Students will gain valuable knowledge and skills that will help them prepare for a career in athletic training. This course is paired with Drivers Education.

5120 Driver Education 10th-12th Grade
Grad Credit: Elective
This semester course is divided in two quarters. One quarter is Drivers Ed. This portion of the class will present the rules-of-the-road as well as the driving laws for the state of California. Students will have the opportunity to acquire the knowledge and attitudes essential to safe driving. Students, who earn a ‘C-’ or better, will be issued a DMV ‘Certificate of Completion’. The other quarter will be spent on careers and related subjects. This course is paired with Athletic Training.
Non - Departmental Classes

5280/5281 School Service 12th Grade
Prerequisite: MOU signed by Parent and Student
Grad Credit: Elective
Students are provided the opportunity to learn career skills under the immediate supervision of school staff.

5393/5394 PAL (Peer Assisted Learning) 11th-12th Grade
Prerequisite: Learning Director Approval
Grad Credit: Elective
This course is designed for students who have an interest in working with special education students to assist them in obtaining the highest quality of the high school experience as possible. Prior to working with assigned students, assistants will complete training to gather a variety of skills required to work with students such as behavior management, record keeping and classroom instructional techniques. These skills will continue to be developed with on-going trainings throughout the school year. Assistants will help students find their way around campus, increase their socialization with regular ed students and/or participate in their community-based instruction programs.

5444/5445 TECH Team 11th-12th Grade
Prerequisite: Skills in Technology and Learning Director Approval
Grad Credit: Elective
Students are provided the opportunity to learn aspects of an IT helpdesk process while providing staff and students with technology support. Students will be receiving training in the following areas: customer service, Chromebook repair, concepts of software and hardware basic repairs through hands on training and guided information in order to further their education with technology. Students will be involved in mentoring their peers in the area of technology. The T.E.C.H. Team is under the immediate supervision of TECH Advisor and School Staff.

5300/5301 Academic Decathlon 9th-12th Grade
Grad Credit: Elective
This course is for students who will compete for Ceres High School in the annual Stanislaus County Academic Decathlon. Each year we study a new theme, but we always cover English, math, history, science, music, art and economics.
5308/5309 Yearbook 9th-12th Grade

Grad Credit: Elective

This course is designed for students interested in computer graphics, who enjoy writing and photography. Students are expected to act in a professional manner and follow all school rules/guidelines. Students must exhibit a sense of responsibility and leadership. Students are required to spend time outside of the class taking pictures and interviewing others in order to complete assignments. Students are required to sell ad space for the yearbook to local businesses. Students will be involved in writing copy, designing layouts, and preparing pictures during the first three quarters of the year. Students are required to work at the Yearbook party as well as help with distribution and yearbook sales during fourth quarter. This course may be offered during 0 period.

5017/5018 P Healthy Living & Wellness 9th-12th Grade

Grad Credit: Elective

This course is an in depth, advanced health class that examines the mental/emotional, social and physical components of health. Topics of study include but are not limited to: self-esteem, handling emotions, refusal skills, decision making, managing stress/anger, human development, STD’s, nutrition, HIV/Aids, first aid/CPR, and infectious diseases. This course will also focus on the mental/emotional, social and physical effects of drug, tobacco, and alcohol use.

5278/5279 Leadership 9th-12th Grade

Prerequisite: Interview, Election, Eligibility, & Activity Director Approval

Grad Credit: Elective

The leadership class is for students who wish to be involved in student government, activities, and making positive changes at CHS. Students are required to work at sporting events, dances, and other activities both during the school day and OUTSIDE of the school day. Students will gain skills in communication, organization, business, personal and social responsibility, and problem solving. Students plan homecomings, special events, community projects, and much more.

5338/5339 P Psychology 11th-12th Grade

Grad Credit: Elective

This course explores the science of behavior and mental processes. We will look at the five major domains of psychology: biological, cognitive, developmental, social and health. Throughout the year, students will learn about themselves and others through fun and scientific labs and activities. This course will help you develop the skills needed to be successful in college, career and personal relationships; psychological science is relevant wherever you are!
**5336/5337 AP Psychology**  
11th-12th Grade  
Prerequisite: AP MOU signed by Parent and Student  
Grad Credit: Elective  
Weighted Grade  
College Prep: CSU/UC (g)

This college level course is a systematic and scientific study of human behavior. The class offers a more in-depth study of Psychology. The course curriculum and assignments are designed to improve critical thinking skills and prepare students to take the advanced placement exam. Students who earn a “3” or better on the AP exam may earn college credit. Note: The summer assignment is due on the first day of school.

**4576/4577 P Computer Science Discoveries**  
9th-10th Grade  
Grad Credit: Elective  
College Prep: CSU/UC (g)

This course is an introductory computer science course that empowers students to create authentic artifacts and engage with computer science as a medium of creativity, communication, problem solving, and fun.

**4258/4259 AP Computer Science Principles**  
10th-12th Grade  
Prerequisite: AP MOU signed by Parent and Student  
Grad Credit: Elective  
Weighted  
College Prep: CSU/UC (g)

This college level course offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns and computing impacts. This course curriculum and assignments are designed to improve critical thinking skills and prepare students to take the advanced placement exam. Students who earn a “3” or better on the AP exam may earn college credit. Note: There will be a summer assignment and that work is due the first day of school.

**4574/4575 AP Computer Science**  
11th-12th Grade  
Prerequisite: AP MOU signed by Parent and Student  
Grad Credit: Elective  
Weighted  
College Prep: CSU/UC (g)

This college level course covers fundamental topics including problem solving, design strategies and methodologies, data structures, algorithms, solution analysis and the ethical and social implication of computing. The course emphasizes both object-oriented and imperative problem solving and design. This course curriculum and assignments are designed to improve critical thinking skills and prepare students to take the advanced placement exam. Students who earn a “3” or better on the AP exam may earn college credit. Note: There will be a summer assignment and that work is due the first day of school.
CAREER TECHNICAL PATHWAYS

Design, Visual & Media Arts

4532/4633 P Computer Graphics I
9th-12th Grade
Grad Credit: Elective
College Prep: CSU/UC (f)

This course is one in which students will express their original creativity visually and develop & showcase their ability to communicate ideas through a variety of graphic media. Students learn the basics of graphic design in preparation of original art, combining typography, page layout, and integrated graphic elements. Instruction will be given in the following areas: Elements of art & principals of design, mechanical & computer design methods, printmaking, finishing of graphic products, and the historical and cultural development of the graphics industry. The course will give students confidence in organizing ideas, creating meaning in their original work, and the ability to work ideas into new and useful creations. Components of the California State Standards and Preforming Arts Framework are integrated into the curriculum.

4536/4537 P Advanced Dig Photo/Graphics
10th-12th Grade
Prerequisite: Completion of P Computer Graphics I
Grad Credit: Elective
College Prep: CSU/UC (f)

This course is a second year course, where students explore advanced integration of digital media including digital images and computer graphics. Students work on Multimedia projects from concept (content gathering/research) to project completion (authoring/transmission) and focus on the media and visual communication. Students research historical and cultural context as well as develop and demonstrate skill through critique, creation of photographic and multimedia projects and presentations. Venues include portfolios, web productions, and live presentations. This course also prepares students to work in teams and deploy projects for community organizations and businesses. Students will study Art Elements and Principles of Design. Throughout the year students work on creating a print portfolio. Which focuses on their chosen area of study within graphic design.

4554/4555 P Video Production
9th-12th Grade
Grad Credit: Fine Art
College Prep: CSU/UC (f)

This course is designed for the student interested in creating and producing videos for documentaries, reports, instruction, and individual creative interests. The course introduces concepts in production, taping, lighting, sound, blue and green screen technology, and linear editing. The student will use the Adobe editing, sound, and production software. The course will introduce mid-range video cameras with supporting equipment.
4556/4557 P Advanced Video Production 10th-12th Grade
Grad Credit: Fine Art College Prep: CSU/UC (f)
This course is the second year course for students who wish to continue creative projects in video media, video broadcasting, and news production. Students will produce, record, and edit using Adobe Editing, Special Effects, and Sound software.

Welding and Materials Joining

5208/5209 Ag Introduction to Mechanics 9th-12th Grade
Grad Credit: Elective
This course is an introduction to shop safety, tool identification, drafting, woodworking, metal work, rope work, plumbing, concrete, electricity and tool repair. Students have the opportunity to construct shop projects to develop these skills. Completion of course projects and FFA participation are essential for a satisfactory grade. Emphasis is on “hands-on” activities, establishing correct shop safety and tool use. Modesto Junior College Credits may be earned (3 Units).

5206/5207 Ag Welding 10th-12th Grade
Prerequisite: Completion of Ag Intro to Mechanics or Instructor Approval
Grad Credit: Elective
This course is designed to develop job entry and farm maintenance skills beyond those learned in Into to Ag Mechanics. Students learn arc welding and Oxy Acetylene welding and cutting, the most common method of joining metals, and maintaining and constructing equipment. Modesto Junior College Credits may be earned (3 Units).

5455/5456 Ag Welding II 11th-12th Grade
Prerequisite: Completion of Ag Welding or Instructor Approval
Grad Credit: Elective
This course develops advanced welding skills. Students learn advanced skills in arc welding, Gas Metal Arc Welding (M.I.G.) (wire feed) Oxy-Acetylene welding and cutting, plasma cutting, and Gas Tungsten Arc Welding (T.I.G.). Students will further develop job-related skills by becoming self-starters and acquiring necessary materials for projects, while developing safety and fire prevention attitudes. Completed projects will be shown at the Stanislaus County Fair. Modesto Junior College Credits may be earned (3 Units).
5452/5453 Welding Fabrication II 12th Grade

Prerequisite: Completion of Ag Welding II

Grad Credit: Elective

This course develops advanced students with entry-level skills at the completion of the course. Instruction is provided in advanced Shielded Metal and Gas Metal Arc Welding (M.I.G.). Gas Tungsten Arc Welding (T.I.G.) is also covered. Students are required to develop skills in welding overhead and completing welding certification tests, along with refining skills in operating the Air Carbon Arc, Plasma Arc, and Oxy-Acetylene cutting units. Students receive instruction in safety, and power tool usage, planning, and material selection and usage as related to the construction of items used around the shop and home. Students experiment with their own ideas and methods in the design and fabrication of a required individual project, due at the end of the year. Students are encouraged to exhibit their projects at the local county fair and the California State Fair.

Machine & Forming Technology

MPGT Pathway

4562/4563 P Intro Manuf & Prod Dev 9th Grade

Prerequisite: Selection through application process

Grad Credit: Elective

College Prep: CSU/UC (g)

The first of four academy courses, this course is comprised of the following components: teambuilding and problem-solving, campus and community recycling, basic engineering, basic electronics, “shark tank” entrepreneurship, robotics, and renewable energy. Students will participate in data collection and analysis, designing experiments, research, hands on projects and oral presentations. In addition, students will be taught computer literacy including typing basics and receive instruction and use of Google Docs, Google Slides, Google Sheets as it applies to the manufacturing industry.

4564/4565 Adv Mach & Form Tech II 10th Grade

Prerequisite: Completion of P Intro Manuf & Prod Dev or Program Approval

Grad Credit: Elective

This is the second year course for academy. First semester: This is a beginning drafting course that introduces students to the basics of computer design and rapid prototyping. Students will become familiar with the Solidworks drafting software program that will assist them in making all types of drawing used in the industry and then apply those drawings to rapid prototyping using both CNC and 3D printing techniques. Students will also design, build and program an autonomous robot using the VEX robotics platform. Projects encourage teamwork, leadership and problem solving. Second semester: Students will learn AC/DC electrical circuits, Pneumatics, CNC Machines, small power tools, electrical control, and robotics programming for future manufacturing. Students will then research design and build a working prototype of an automated can crusher. Modesto Junior College Credits may be earned (3 Units).
4566/4567 Adv Mach & Form Tech III 11th Grade

Prerequisite: Completion of Adv Mach & Form Tech II or Program Approval

Grad Credit: Elective

This is the third year course for the academy. An overview of electrical and electronic phenomena as applied to common consumer and industrial devices. Using lab based trainers, students will investigate basic circuits, analog meters, analogs and digital measurement of AC and DC, soldering, capacitance, relay logic, and magnetism. This course examines the physical nature of electricity and magnetism and the application of the scientific method. Students will then research design and build a working solar powered boat or program microprocessors. Modesto Junior College Credits may be earned (3 Units).

4568/4569 Adv Mach & Form Tech IV 12th Grade

Prerequisite: Completion of Adv Mach & Form Tech III or Program Approval

Grad Credit: Elective

This is the fourth year course for the academy. Students will learn advanced AC/DC electrical circuits, Pneumatics & CNC Machines. Students will research, design and build a working prototype of a solar cell project. Introduction to educational and technical employment opportunities includes an understanding of curriculum requirements that pertain to educational goals as they relate to technical majors. This course will assist students in setting goals and developing skills necessary for life-long success in obtaining, maintaining, and advancing in technical careers. Current events that impact technical industries and society will be discussed. Techniques and applications of sound shop/agency practices and hazardous waste management will be included. Development of an educational plan and presentations by MJC counselors, including information on Team Building, Safety, Time and Money Management, will be provided. Modesto Junior College Credits may be earned (3 Units).

4570/4571 P Adv Mach & Eng Tech IV 12th Grade

Prerequisite: Completion of Adv Mach & Form Tech III or Program Approval

Grad Credit: Elective  
College Prep: CSU/UC (g)

This is the fourth year course for the academy/engineering students. A course that helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process. Through this course, students will research, design and construct solutions to open-ended engineering problems. Students must present progress reports, submit a final written report and defend their solutions to outside reviewers.
Public Safety

54446/5447 P Criminal Justice 10-12th Grade
Prerequisite: Learning Director Approval
Grad Credit: Elective College Prep: CSU/UC (g)

This course will obtain intermediate academic and skill development courses that describe the role of specific careers in Public Safety, including of science in solving crimes using an evidence-based system. Topics could include the history and role of the agency, laboratory and scientific evidence, processing evidence, establishing hypothesis and drawing conclusions. Students will also explore various career opportunities for decision making to move onto advanced coursework.

5448/5449 P Adv Police Procedures 12th Grade
Prerequisite: Learning Director or Instructor Approval
Grad Credit: Elective College Prep: CSU/UC (g)

This advanced course is designed to prepare individuals for specific careers or jobs in Public Safety such as law enforcement, homeland security, and corrections. Content of these various courses would contain the essential knowledge and skill development of that specific career. Students will learn about the specific organizational structure of the oversite agency, laws regulations and policy for specific agencies, state laws and guidelines for career entry as well as certification hours, skill proficiency and employment requirement for the specific career in Public Safety. Students develop the skills both academically and physically to meet the demands of the specific career, the understanding of the importance of having a clean background check and the understanding of ethic, morals and service to the community. Students will have the opportunity to participate in workplace learning, prepare for postsecondary options and qualify to take examinations and certification as set forth by California State regulation and agency requirements of age, skill and knowledge.

Animal Science

5438/5439 P Ag Leadership 9th-12th Grade
Grad Credit: Elective College Prep: CSU/UC (g)

This course is designed to promote and develop leadership in the Agriculture Industry. Topics will include current issues in Ag, Ag legislation, development of personal leadership skills, FFA operation and Judging Teams and exploration of past and present needs in the Ag Industry and its leaders. A supervised occupational project is required and will be developed with the aid of the instructor. Students will help plan, organize and put on events in FFA. Students are required to complete 20 hours per semester. FFA participation will be part of the grade for this course. This course will be offered during Zero Period.
4250/4251 P Intro to Animal Ag 9th Grade

Grad Credit: Elective  
College Prep: CSU/UC (g)

This course provides a survey of the livestock industry, including the supply of animal products and their uses. A special emphasis is placed on the origin, characteristics, adaptation and contributions of farm animals to the agriculture industry. Students have the ability to have hands on experience with livestock animals within this course. There will be a main focus on animal industry history, external anatomy, breeds, feeding, showing and general care and veterinary practices. Due to the co-curricular nature of FFA and SAE (Supervised Agricultural Experience) students will be required to participate in both FFA activities and SAE involvement, both of which are graded components of the course.

4222/4223 P Intro to Veterinary Science 10th Grade

Prerequisite: Completion of P Intro to Animal Ag

Grad Credit: Elective  
College Prep: CSU/UC (g)

This course provides a basic overview of the veterinary field covering career skills, career opportunities, sanitation, various species of small livestock animals, animal handling of small animals, introduction to anatomy/physiology, disease prevention and control, lab skills, and industry tours. Completion of course projects and FFA participation are essential for a satisfactory grade. Due to the co-curricular nature of FFA and SAE (Supervised Agricultural Experience) students will be required to participate in both FFA activities and SAE involvement, both of which are graded components of the course. Modesto Junior College Credits may be earned (3 Units).

4248/4249 P Advanced Animal Science 11th Grade

Prerequisite: Completion of P Intro to Veterinary Science

Grad Credit: Elective  
College Prep: CSU/UC (g)

This advanced course in Animal Science will focus on livestock management practices. Included in this course will be evaluation and judging of livestock breeds, health care handling facilities, animal behavior, anatomy/physiology of large livestock animals, artificial insemination and breeding practices. This course is built around developing student skills to prepare students for industry standards. Completion of course projects and FFA participation are essential for a satisfactory grade.

4252/4253 P Advanced Veterinary Science 12th Grade

Prerequisite: Completion of P Advanced Animal Science

Grad Credit: Elective  
College Prep: CSU/UC (g)

This advanced course will focus on ethics and public views of animal handling, treatment and rights of public animals, administration of medications to animals, medical examination/wound management, fecal and urine samples, extensive anatomy/physiology in terms of building muscle and skeletal models, veterinary surgical procedures, disease outbreak management of livestock animals, and the adaptation of animal behavior to the environment. Students will be completing industry tours and learning hands on skills that pathway completers need to be industry ready. Completion of course projects and FFA participation is essential for satisfactory grade. Modesto Junior College Credits may be earned (3 Units).
SPECIAL EDUCATION

Special education programs and classes are available to students who qualify according to the guidelines outlined by federal and state governments.

**Resource Specialist Program:**
Students are mainstreamed in general education classes for most subjects, with support through pull out or push in services. The case manager works in collaboration with the general education teacher to ensure students’ needs are met.

**Special Day Class - Learning Handicapped:**
Students receive most of their academic subjects in special education classes. Students taking these classes will be eligible for a high school diploma if they pass all required courses including Int. Mathematics I and earn the necessary 230 credits.

**Special Day Class - Severe Developmental Delays:**
Students earn a ‘Certificate of Completion’ when they have met their educational goals. Students are working on functional life skills in all content areas such as English, science, math, social studies, health and VPA based upon their IEP. Students regularly participate in community based instruction. Vocational education (where students work on job skills) is embedded in this program.

**5410/5411 Academic Strategies**
Grade Credit: Elective
This course is designed so students receive help with assignments, review materials, and study for tests in their general education classes. The students also receive help with organization and time management skills in order to meet Individualized Educational Plan (IEP) goals.

**4160/4161 Int Math I A**
Grade Credit: Semester 1 of Int Mathematics I
This course focuses on the first semester content standards and math practices taught in the P Int. Mathematics I course over the period of one school year.

**4162/4163 Int Math I B**
Grade Credit: Semester 2 of Int Mathematics I
This course focuses on the second semester content standards and math practices taught in the P Int. Mathematics I course over the period of one school year.
5344/5345 Consumer Math

Grade Credit: Math

This course presents mathematical skills and concepts in meaningful, real-life situations. The purpose of this course is to help students become proficient, confident problem solvers and consumers. Topics covered include; calculating payroll for part-time and full-time employment, basic purchases using sales tax, checking and savings accounts, credit, personal finance and budgeting, automobile expenses, federal/state income taxes, buying a car and investments.

4000/4001 English I Essentials

Grade Credit: English

This course focuses on literature and expository text. Core works and multi-cultural literatures are studied in-depth. Students respond to literature through a variety of writing, speaking, and listening activities. Essay writing is taught as a process. Grammar, punctuation, and vocabulary are taught throughout.

4002/4003 English II Essentials

Grade Credit: English

A variety of literature will be studied, including short stories, poetry, and expository text. Reading comprehension strategies will be taught including inquiry, prediction, analysis, and synthesis. Process writing is taught and writing experiences are closely related to reading strategies and materials. Language conventions, vocabulary, and academic language are taught throughout.

4008/4009 Reading Essentials

Grad Credit: Elective

This course is designed to strengthen reading skills. Emphasis is placed on developing word attack skills to improve reading decoding, mastering comprehension strategies that can be used to increase understanding of both fiction and non-fiction reading, and finally independent reading practice to further develop skills and enjoyment of reading.

4308/4309 U.S. History Essentials

Grade Credit: Social Studies

This course emphasizes modern United States history, focusing on the 20th century. This class is designed to teach the history of the United States; from the first people to inhabit, acquisition of the 50 states, changes in society, to the new government developed by the Founding Fathers and finally, to explain how the major wars changed the course of history.
4310/4311 Civics Essentials  
Grade Credit: Social Studies

This course will present the foundations of the American government and economics. Students will learn how the government is structured and how it works. Topics of study will include: the Constitution, Bill of Rights, three branches of the government and how our government differs from others around the world. The course will cover economic systems including supply and demand, business organizations, and unemployment.

4206/4207 Physical Science Essentials  
Grade Credit: Physical Science

Prerequisites: None

This course provides initial exposure to physics, chemistry, astronomy, geology, meteorology, and oceanography.

5011/5012 Adaptive PE  
Grade Credit: PE

The Adaptive PE instructor assesses students who cannot physically participate in the general education program. If student meets state and federal qualifications, they can take this class to meet their physical education requirement.
ROP PROGRAMS

ROP is a program designed to prepare students for a career. It also enables students to develop marketable occupational skills, abilities, attitudes, and work habits in order to obtain a job, and/or prepare for advanced education or training. Classes are open to 11th-12th grade students and are usually offered in two-period blocks. See your Learning Director to arrange for off-campus ROP programs.

**CERES HIGH SCHOOL**
- Animal Sciences
- Criminal Justice & Adv Police Proc
- Welding

**NEWMAN-CROWS LANDING**
- Agriculture
- Child Development
- Floriculture
- Ornamental Horticulture

**MODESTO CITY SCHOOLS**
- Automotive Technician
- Cabinet Construction
- Computer Programming
- Construction Technology

**CENTRAL VALLEY HS**
- Criminal Justice & Adv Police Proc
- Child Development
- Cabinet Construction
- Veterinary

**TURLOCK SCHOOLS**
- Electrical Technology
- Employment Opportunities
- Fashion Merchandising
- Hospital Occupation

**PATTERSON**
- Power Mechanics
- Welding
- Early Childhood Development
- Educational Psychology

**AFFIRMATIVE ACTION STATEMENT:** Ceres High School’s programs and activities are free from discrimination with respect to race, color, sex, religion, national origin, ethnic group, marital or parental status and physical or other conditions.

**District Contacts:**
- **Title IX Coordinator-Asst. Superintendent for Personnel**-(209) 538-0207
- **504/Gender Equity- Coordinator Special Education**-504 Services-(209) 538-0145