



# **Ceres High School**

**Course Catalog**

**2018-2019**

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# CHS GRADUATION REQUIREMENTS

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

<b>Social Studies</b>	<b>30</b>
World History	10
U.S. History	10
*Principles of Democracy	5
*Economics	5
<b>English</b>	<b>40</b>
<b>Math</b> (Int Mathematics I; plus 1 additional year)	<b>20</b>
<b>Science</b>	<b>20</b>
Physical	10
Life	10
<b>Fine Arts or Modern Language</b>	<b>10</b>
<b>Physical Education</b>	<b>20</b>
<b>Electives</b>	<b>90</b>
<b>Total</b>	<b>230</b>

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

\*1 Semester of study = 5 credits

## COLLEGE INFORMATION WEBSITES

California Colleges: ([www.californiacolleges.edu](http://www.californiacolleges.edu))

California Community Colleges: ([www.cccco.edu](http://www.cccco.edu))

California State University: Link to all 23 campuses: ([www.csumentor.edu](http://www.csumentor.edu))

University of California: Link to all 10 campuses: ([www.ucop.edu](http://www.ucop.edu))

California Student Aid Commission: ([www.csac.ca.gov](http://www.csac.ca.gov))

Federal Student Aid: ([studentaid.ed.gov](http://studentaid.ed.gov)) or ([FAFSA.ed.gov](http://FAFSA.ed.gov))

Financial Aid and Scholarship Services: ([www.fastweb.com](http://www.fastweb.com))

Financial Aid: free guide to financial aid: ([www.finaid.org](http://www.finaid.org))

College Board: SAT registration, test prep, college search, career info: ([www.collegeboard.com](http://www.collegeboard.com))

American College Testing (ACT) test preparation: ([www.act.org](http://www.act.org))

Educational Testing Service Network: Practice tests, financial aid, careers, college links: ([www.ets.org](http://www.ets.org))

SAT prep: ([www.domesatreview.com](http://www.domesatreview.com))

Occupational Outlook Handbook: ([www.stats.bls.gov/oco](http://www.stats.bls.gov/oco))

Military Careers: ([www.todaysmilitary.com](http://www.todaysmilitary.com))

ASVAB Career Exploration Program: ([www.asvabprogram.com](http://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.

# CHS COURSES CERTIFIED BY CSU/UC's

- a. History**
  - AP Human Geography
  - P World History
  - P Adv 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 Composition
  - P English 12
  - AP English Literature
  - P Expository Reading & Writing
- c. Mathematics**
  - \*P Int. Mathematics I-III
  - \*P Int. Acc. Mathematics I-III
  - P Finite Math
  - P Pre-Calculus
  - AP Calculus
  - AP Calculus BC
  - AP Statistics
  - \*may only be used for the "c" requirement.
- d. Laboratory Science**
  - P Physics of the Universe
  - P Adv Physics of the Universe
  - P Biology
  - AP Biology
  - P Chemistry
  - P Chemistry in the Earth Systems
  - P Adv Chemistry in the Earth Systems
  - P Physics
  - AP Physics
  - P Anatomy/Physiology
- e. Foreign Language**
  - P Spanish I-III
  - P Spanish Speaker II-III
  - AP Spanish Language
  - AP Spanish Literature
  - P Portuguese I
- 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 Literature & History via Film
  - P Dance Production I-II
  - P Perpetual Motion
  - P Theater Arts I-IV
  - AP Music Theory
  - P Guitar I
  - P Royal Color Guard
  - P Wind Ensemble
  - P Percussion Band
  - P Concert Choir
- g. Elective Courses** (including other college prep courses)
  - P Economics (1 sem)
  - P Healthy Living & Wellness
  - P Creative Writing
  - P Reading Like a Writer
  - P Ethnic Studies
  - P Psychology
  - AP Psychology
  - AP Comp. Science Principles
  - P Intro to Green Man
  - P Engineering & Design
  - P ROP Criminal Justice
  - 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.**

# ADVANCED PLACEMENT COURSES

## AP Program

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 23)**

**Biology (p 19)**

**Calculus (p 17)**

**Calculus BC (p 17)**

**Comp. Sci Prin (p 18)**

**English Language (p 11)**

**English Lit & Com (p 12)**

**European History (p 21)**

**Human Geog (p 21)**

**Music Theory (p 32)**

**Physics (p 20)**

**Psychology (p 34)**

**Spanish Language (p 26)**

**Spanish Literature (p 26)**

**Statistics (p 18)**

**Studio Art (p 27)**

**US History (p 22)**

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

- Parent and students WHO ARE NEW to AP **must** attend the AP Information Night in January. (*Attendance is **highly recommended** for all other AP Parents/Students.*)
- Students select AP class(es) during balloting. Parent signs ballot indicating their approval of chosen AP classes.
- 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.
- Student and parents will be required to sign and return a Memorandum of Understanding (MOU) in May. By signing the MOU, parents and students agree to the year-long commitment for their selected AP class(es) and understand they will not be allowed to drop those classes after the MOU due date.
- Summer assignments will be distributed at the end of spring semester. All summer work must be completed by the 1<sup>st</sup> 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**

## **Media Support and Service Pathway**

**(State Pathway Title: (171) Media Support & Service)**

**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.

#### **9th - 12th Grade**

##### **P Video Production**

Students create and produce videos for documentaries, reports, instruction, and individual creative interests.

#### **10th - 12th Grade**

##### **P Adv Digital Photo/Graphics**

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.

### **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**

# Ag Mechanics Pathway

(State Pathway Title: (101) Agricultural Mechanics)

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

## Optional Courses

- ROP Welding Fabrication II

## 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.

## 9th - 10th Grade

### Intro to Ag Mechanics

Shop safety, tool repair & Identification, drafting, wood working, metal work, rope work, plumbing, concrete, electricity, Arc welding.  
-2+2 MJC Articulation

## 10<sup>th</sup> - 12<sup>th</sup> Grade

### Ag Welding

Develop job entry and farm maintenance skills, stick welding and MIG welding.  
-2+2 MJC Articulation

## 11th - 12th Grade

### ROP Welding

Advanced welding skills, Arc welding, MIG and TIG welding.  
Project work.  
-2+2 Articulation

**Modesto Junior College-Skills Recognition in Welding: Design Fabrication and/or Welding: Gas Metal Arc Welding and Gas Tungsten Arc Welding and/or Welding: Pipe Welding. Certificate in Welding: Manufacturing Technology (Interdisciplinary). AS in Welding.**

## 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



# MPGT (Manufacturing, Production, and Green Technology) Academy Pathway

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**

# Criminal Justice Pathway

(State Pathway Title: (232) Protective Services)

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

## 11th - 12th Grade

### P ROP Criminal Justice

- Entry level skills related to the Criminal Justice System.
- Guest speakers, field trips and internships.
- 2+2 MJC Articulation

## 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

- 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 up to date academic content/articulation.
- Students are enrolled concurrently and earning credits at MJC to reduce time to complete certificate.
- Activities to encourage and maintain students interests.
- Data collected and monitored by all parties.

## 12th Grade

### ROP Patrol 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.

## Degree/Transfer to a Four Year University/Employment

ADJU 222- Profiling Terrorism

ADJU 212- Criminal Investigation

ADJU 232- Juvenile Justice Procedures

ADJU 213- Patrol Procedures

ADJU 234- Crime Causation

# Animal Science Pathway

(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

## Extra Academic Instruction

### MATH

- Cost Analysis
- Geometry
- Volume

### ENGLISH LANGUAGE ARTS

- Technical Writing
- Technical Reading

## 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.

### 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

### 12<sup>th</sup> 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

# CORE SUBJECT COURSES

## English

### **4030/4031 P English 9**

**9th Grade**

Prerequisite: None

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**

Prerequisite: Placement

Grad Credit: English

College Prep: CSU/UC (b)

This course 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**

Prerequisite: None

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 odd narrative, informative and persuasive 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**

Prerequisite: 'C' or better in Pre-AP English 9

Grad Credit: English

College Prep: CSU/UC (b)

This English 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**

Prerequisite: None

Grad Credit: English

College Prep: CSU/UC (b)

This college preparatory course emphasizes American literature tracing Puritanism through Modernism 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: 'C' or better 10<sup>th</sup> English

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 write no fewer than 30 essays for the school year. 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, writing rhetorical analyses, and writing a research paper. 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****12th Grade**

Prerequisite: None

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 that underlie the 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.

**4044/4045 P English 12****12th Grade**

Prerequisite: None

Grad Credit: English

College Prep: CSU/UC (b)

This course is designed to provide students with the necessary college level English skills required for success in college courses and on college placement exams. Areas of study include critical essays, poetry and novels (by world authors), stylistic grammar, vocabulary expansion, Shakespeare, MLA format, analytical, expository, and research composition. Students are expected to read grade-level material and will be assigned reading and writing outside of class.

**4046/4047 AP English Literature & Composition****12th Grade**

Prerequisite: 'C' or better in AP English Language

Weighted Grade

Grad Credit: English

College Prep: CSU/UC (b)

This is a college-level course focusing 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****9th-12th Grade**

Grad Credit: Elective

College Prep: CSU/UC (g)

Creative writing 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)

Reading Like a Writer 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.

## **ELD Courses**

### **English Language Development**

Designed for students with very limited English language proficiency

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

Prerequisite: Placement

Grad Credit: English

This course is designed to provide students new to English with basic oral and auditory competence in a wide variety of English Language settings. Students will develop English receptive and productive skills while learning the basic elements of the sounds of the alphabet. Most course work is centered on helping students develop English skills immediately useful in school, classroom, and community settings.

**4016/4017 ELD 2B-English Language Structure and Vocabulary (Intermediate) 9th-12th Grade**

Prerequisite: Placement

Grad Credit: English

This course introduces students to the basic English Language grammar structure. Students will study basic syntactic elements of English (nouns, verbs, modifiers, etc.) along with phonetic and semantic aspects of the language. A broad base of content area vocabulary related to grade-appropriate course work will be emphasized in the context of grammar learning tasks and reading/writing assignments. Students will study a list of frequently used words to develop spelling accuracy.

**4010/4011 Sheltered English I 9th-12th Grade**

Prerequisite: Placement

Grad Credit: English

This course will follow the curriculum of P English classes but use sheltered techniques and strategies to enhance student performance.

**5314/5315 ELD Support 9th-12th Grade**

Prerequisite: Placement

Grad Credit: Elective

This course is coupled with an ELD English course to create a two-period block. This enables the student to continue to acquire the English language through fundamental listening and speaking. Vocabulary development and reading continues to be a fundamental part of the course, developing reading comprehension through word analysis, fluency, and vocabulary development. Students will continue to develop writing, listening, and speaking skills as they respond to reading materials in a variety of ways.

**5362/5363 Shelt Eng I Support 9th-12th Grade**

Prerequisite: Placement

Grad Credit: Elective

This course is a beginning to intermediate English language reading course for students whose first language is not English. Students will develop reading skills in four areas: word analysis, fluency, vocabulary, comprehension, and basic literary analysis and response. Students use sequential reading instructional materials to establish a basis for content area and narrative reading tasks.



# Mathematics

## **4168/4169 P Int. Mathematics I**

**9th Grade**

Prerequisite: None

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**

Prerequisite: Placement

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 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**

**10th-12th Grade**

Prerequisite: 'C' or better in P Int. Mathematics I

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**

**10<sup>th</sup> Grade**

Prerequisite: 'C' or better in P Int. Acc. Mathematics I or

Instructor Approval and Completion of Summer Bridge Course

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. 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****11th-12th Grade**

Prerequisite: 'C' or better in P Int. Mathematics II or Instructor Approval

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****11<sup>th</sup> Grade**

Prerequisite: 'C' or better in P Int. Acc. Mathematics II or

Instructor Approval and Completion of Summer Bridge II Course

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. 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.

**4144/4145 P Finite Math****12th Grade**

Prerequisite: 'C' or better in P Int Mathematics III

Grad Credit: Math

College Prep: CSU/UC (c or g)

Topics covered in this course will include systems of equations and matrices, linear inequalities, linear programming, linear equations and functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, mathematics of finance, probability and applied trigonometry. Students are required to have their own graphing calculator (or check out in library) for use in the classroom and for homework.

**4146/4147 P Pre-Calculus****12th Grade**

Prerequisite: 'C' or better in 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: 'C' or better in P Int. Acc. Mathematics III

Weighted Grade

Grad Credit: Int. Mathematics I/Equivalent or Math

College Prep: CSU/UC (c or g)

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.

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

Prerequisite: 'B' or better in P Int. Acc. Mathematics III

Weighted Grade

Grad Credit: Int. Mathematics I/Equivalent or Math

College Prep: CSU/UC (c or g)

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. Student 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: 'C' or better in P Int. Mathematics II or higher level math\*\*

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. **\*\*11<sup>th</sup> grade students enrolled in this course must be concurrently enrolled in P Int. Mathematics III or Int. Acc. Mathematics III.**

**4258/4259 AP Comp. Science Principles****10th-12th Grade**

Prerequisite: 'C' or better in Int. Mathematics I/Equivalent

Weighted

Grad Credit: Elective

(pending) College Prep: CSU/UC (g)

This 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.

## Science

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

Prerequisite: P Int. Mathematics I or concurrent enrollment

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**

Prerequisite: Placement

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.

**4226/4227 AP Biology****11th-12th Grade**

Prerequisite: 'C' or better in P Biology, P Chemistry and Instructor Approval

Weighted Grade

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

**4558/4559 P Chem in the Earth Systems****10th Grade**

Prerequisite: 'C' or better in P POTU/Biology and P Int. Mathematics I/Equivalent

Grad Credit: Physical Science

(pending) 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 and Space Science. The integration of relevant Earth and Space 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****10<sup>th</sup> Grade**

Prerequisite: 'C' or better in P Adv POTU and/or Inst. Appr.

Grad Credit: Physical Science

(pending) 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 and Space Science focusing on deeper exploration on the topics presented. The integration of relevant Earth and Space 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.

**4238/4239 P Physics****11th-12th Grade**

Prerequisite: 'C' or better in P Int. Mathematics I and P Chemistry

Grad Credit: Physical Science

College Prep: CSU/UC (d or g)

Explore the mysteries, magic, and myths surrounding motion, Newton's laws, momentum, energy, heat, electricity, magnetism, waves, sounds, light, and wave optics. Hands-on laboratory work, classroom discussions, and demonstrations are the core of the course. Emphasis is placed on conceptual understanding and real-world applications.

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

Prerequisite: 'C' or better in P Pre-Calculus or concurrent enrollment

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.

**4236/4237 P Anatomy/Physiology****11th-12th Grade**

Prerequisite: 'C' or better in P Biology, P Chemistry and Instructor Approval

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.

# History/Social Science

## **4332/4333 AP Human Geography**

**9th Grade**

Prerequisites: 'B' or better in 8<sup>th</sup> English

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**

Prerequisites: None

Grad Credit: World History

College Prep: CSU/UC (a)

This survey course presents the development of modern world history with an emphasis on the 20th Century. Various western political, social, economic, and religious philosophies are explored, compared, and contrasted.

## **4322/4323 Adv World History**

**10th Grade**

Prerequisites: 'B' or better in 9<sup>th</sup> English

Grad Credit: World History

College Prep: CSU/UC (a)

This course examines societal development from pre-history to the present with an emphasis 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 contexts. This course is designated as honors level by the accelerated instructional pacing and depth of content. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society.

## **4324/4325 AP European History**

**10th Grade**

Prerequisites: 'B' or better in 9<sup>th</sup> English

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**

Prerequisites: None

Grad Credit: U.S. History

College Prep: CSU/UC (a)

This survey course emphasizes modern United States history, focusing on the twentieth century.

Students will study the social, political, and economic effects of historical eras and events.

**4328/4329 AP U.S. History****11th Grade**

Prerequisite: 'C' or better in P Adv World History or 'B' or better in P World History 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: The summer assignment is due on the first day of school.

**4313 P Principles of Democracy****12th Grade**

Prerequisite: None

Grad Credit: Principles of Democracy

College Prep: CSU/UC (a)

This semester course will present the foundations of American government. Students will study the structure and process of government. 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 how our government differs from others around the world.

**4312 P Economics****12th Grade**

Prerequisite: None

Grad Credit: Economics

College Prep CSU/UC: (g)

This 12th grade, one semester course focuses on microeconomics and macroeconomics. In microeconomics, the student studies 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 players on the American economy. The global economy is the focus. This course meets graduation requirements. .



**4330/4331 AP American Government****12th Grade**

Prerequisite: 'C' or better in AP U.S. History or 'B' or better in P U.S. History

Weighted Grade

Grad Credit: Principles of Democracy &amp; 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, the stock market and the system of money and banking. Both semesters are weighted for the GPA, and students in this class are expected to keep up with a rigorous pace both semesters in order to meet the standards of the class. 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 keep a weekly journal summarizing the political events that occur; The summer assignment is due on the first day of school.

**4334/4335 P Ethnic Studies****11<sup>th</sup>-12th Grade**

Prerequisite: None

Grad Credit: Elective

(pending) College Prep: CSU/UC (g)

This college level course will allow students to further their understanding of identity development and gain a higher insight of self-knowledge. It will also take a deeper 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.

## **Physical Education**

**5002/5003 Frosh P.E.****9th Grade**

Prerequisite: None

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**

Prerequisite: None

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**

Prerequisite: None

Grad Credit: P.E.

This course is designed to improve individual students' fitness levels. Students will participate in activities such as step aerobics routines, Pilates, yoga, power-walking, jogging, hand weight workouts, 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**

Prerequisite: None

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**

Prerequisite: Successful completion of a team sport season

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**

Prerequisite: Biology

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 should be paired with another semester course.

**5120 Driver Education****10th-12th Grade**

Prerequisite: None

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 should be paired with another semester course.

# ELECTIVE SUBJECT COURSES

## Modern Language

**4400/4401 P Spanish I****9th-12th Grade**

Prerequisite: None

Grad Credit: Modern language

College Prep: CSU/US (e)

Spanish I 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**

Prerequisite: 'C' or better in P Spanish I

Grad Credit: Modern Language

College Prep: CSU/UC (e)

Spanish II builds on the skills learned in Spanish I.

**4406/4407 P Spanish for Spanish Speakers II****9th-12th Grade**

Prerequisite: Placement test

Grad Credit: Modern 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**

Prerequisite: 'C' or better in P Spanish II

Grad Credit: Modern Language

College Prep: CSU/UC (e)

Spanish III 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 'C' or better in P Spanish for Spanish Speakers II

Grad Credit: Modern 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: 'C' or better in P Spanish III or P Spanish Speakers III

Weighted Grade

Grad Credit: Modern 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: 'C' or better in AP Spanish Language

Weighted Grade

Grad Credit: Modern 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**

Prerequisite: None

Grad Credit: Modern language

(pending) College Prep: CSU/US (e)

Portuguese I is a college-prep course that 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.

# Visual and Performing Arts

## **4500/4501 P Art I**

**9th-12th Grade**

Prerequisite: None

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**

Prerequisite: P Art I

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**

Prerequisite: P Art II

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: P Art I and P Art II

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 skills 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.

**4532/4633 P Computer Graphics I****9th-12th Grade**

Prerequisite: None

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, 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 Performing Arts Framework are integrated into the curriculum.

**45328/5329 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.

**536/4537 P Advanced Dig Photo/Graphics****10th-12th Grade**

Prerequisite: 'C' or better in Computer Graphics I or Digital Photography

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 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. Their portfolio focuses on their chosen area of study within graphic design.

**4546/4547 P Literature and History via Film****11th-12th Grade**

Prerequisite: None

Grad Credit: Fine Art

College Prep: CSU/UC (f)

Storytelling is the most common way that we communicate to one another. Stories told with film have a tremendous influence on our attitudes and perceptions of the world around us. In fact, films may be one of the most powerful tools in modern culture for shaping values and conveying information. Literature and History Through Film is an introductory film studies course open to 11th and 12th grade students. The course focuses on teaching movies as visual narratives, students analyze and study all of the language systems of film (e.g. photography, editing, sound, acting, story, writing, ideology, etc.). In studying these valuable tools that filmmakers use, students better understand how movies are constructed and appreciate the criteria necessary to make a film. By viewing, studying, discussing and writing about film, students develop and demonstrate skills in technological, cultural, and media literacy, as well as critical thinking and problem solving - skills that will serve them well in the real world. The class will be writing intensive; students will be practicing and using the writing skills that they will need for English. The class will require reading, both fiction and non-fiction. There will be projects that will require students to use their research skills (MLA) in electronic and written form as they research historical context. Most importantly, this is NOT a film class where students will simply sit and watch movies.

**4522/4523 P Dance Prod I****9<sup>th</sup> & 10th-12th Grade**

Prerequisite: None

Grad Credit: Fine Art or PE

College Prep: CSU/UC (f)

Dance Prod I 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. 9<sup>th</sup> 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.

**4524/4525 P Dance Prod II****10th-12th Grade**

Prerequisite: 'C' or better in P Dance Prod I

Grad Credit: Fine Art or PE

College Prep: CSU/UC (f)

Dance Prod II 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.

**5013/5014 P Perpetual Motion****9th-12th Grade**

Prerequisite: Audition

Grad Credit: Fine Art or PE

College Prep: CSU/UC (f)

This course is an advanced class for students who are interested in performing and pursuing dance for personal interest, further academic preparation, 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 Winter and Spring Dance Showcases. Students will be involved in all aspects of a performance: tickets, sales, props, costumes, fundraising, and dance choreography. Includes the Boys' Hip Hop team. This course may be offered during 0 period.

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

Prerequisite: None

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: 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: Theater Arts II

Grad Credit: Fine Art

College Prep: CSU/UC (f)

Students 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: Theater Arts III

Grad Credit: Fine Art

College Prep: CSU/UC (f)

Theater Arts IV 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**

Prerequisite: None

Grad Credit: Elective

Students will analyze 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.

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

Prerequisite: 1 yr of Music or Concurrent Enrollment

Weighted

Grad Credit: Fine Art

College Prep: CSU/UC (f)

This course is an advanced placement course for those who wish to earn credits for a college level music theory course. This course emphasizes aspects of music, such as harmony, melody, texture, rhythm, form, musical analysis, history, and style. Musicianship skills such as dictation, sight-reading skills such as dictation, sight-reading skills, and keyboard harmony are considered as vital parts in AP Music Theory. It is also assumed that the student has acquired (or currently acquiring) basic performance skills in voice or on an instrument. 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. The achievement of these goals are best approached by addressing the fundamental aural, analytical, and compositional skills using both listening and written exercises. 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.

**4494/4495 P Guitar I****9th-12th Grade**

Prerequisite: None

Grad Credit: Fine Art

College Prep: CSU/UC (f)

This course will cover beginning guitar, including theory and history.

**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**

Prerequisite: CHS Band Director or Jr. HS Band Director Approval

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, and 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: CHS Band Director Approval

Grad Credit: Fine Art

College Prep: CSU/UC (f)

This course is open to any student who has previously played an instrument(s) for two years and can demonstrate basic performance skills. Band members will learn to perform many different styles of pop and jazz music. Instrumentation is limited.

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

Prerequisite: CHS Band Director Approval

Grad Credit: Fine Art

College Prep: CSU/UC (f)

The choir 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. A uniform will need to be purchased.

## **Non - Departmental Classes**

**5444/5445 TECH Team****11th-12th Grade**

Prerequisite: Skills in Technology and LD 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.

**5442/5443 Success 101 Mentor****12th Grade**

Prerequisite: Prior Success 101 Student or LD Approval

Grad Credit: Elective

Mentor students will work with Success 101 students to put them on a track for graduation. They will participate in group discussions, group reading, elementary school reading project, college field trips, and study hall assistants. They will be trained to work with a select group of students to help ensure academic success. They will also be requested to present their life experiences in a formal class presentation.

**5280/5281 School Service****12th Grade**

Prerequisite: GPA, attendance and discipline and/or LD approval

Grad Credit: Elective

Students are provided the opportunity to learn career skills under the immediate supervision of school staff.

**5278/5279 Leadership****9th-12th Grade**

Prerequisite: Interview, Election, Eligibility, &amp; 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**

Prerequisite: None

Grad Credit: Elective

College Prep: CSU/UC (g)

Why do people act the way they do? This course looks into the mystery of human behavior. Activities and lectures on topics like motivation, emotion, abnormal behavior, mental illness, and personality will lead to students' conducting experiments of their own interests under the guidance of the instructor.

**5336/5337 AP Psychology****11th-12th Grade**

Prerequisite: 3.0 GPA or Instructor Approval

Weighted Grade

Grad Credit: Elective

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.

**5390/5391 Success 101****9th Grade**

Prerequisite: Placement

Grad Credit: Elective

Where will you be in 10 years? Will you be thriving in a career that supports the type of lifestyle you want or will you still be living at home scrambling to figure out what you're going to do with your life? These are important questions that students must be prepared to answer. Success 101 utilizes the Career Cruising curriculum which takes students through a step-by-step process to answer three important questions: Who am I? What do I want? How do I get it? Students will take the information they learn, through meaningful lessons and activities and complete a personalized 4-year plan that will become the foundation of success for their lives.

**5393/5394 PAL (Peer Assisted Learning)****11th-12th Grade**

Prerequisite: Instructor 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.

**5300/5301 Academic Decathlon****9th-12th Grade**

Prerequisite: Participation in Academic Pentathlon at Jr. HS level or Instructor Approval

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.

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

Prerequisite: None

Grad Credit: Elective

College Prep CSU/UC: (g)

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.

Prerequisite: 'C' or better in previous year's English course

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.

# **CAREER TECHNICAL PATHWAYS**

## **Media Support and Services**

### **4532/4633 P Computer Graphics I**

**9th-12th Grade**

Prerequisite: None

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 Performing Arts Framework are integrated into the curriculum.

### **5328/5329 P Video Production**

**9th-12th Grade**

Prerequisite: None

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.

**4536/4537 P Advanced Dig Photo/Graphics****10th-12th Grade**

Prerequisite: 'C' or better in Computer Graphics I or Digital Photography

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.

## Ag Mechanics

**5208/5209 Ag Introduction to Mechanics****9th-10th Grade**

Prerequisite: None

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: Intro to Ag Mechanics or Instructor Approval

Grad Credit: Elective

This course is designed to develop job entry and farm maintenance skills beyond those learned in Intro 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).

**5222/5223 ROP Welding****11th-12th Grade**

Prerequisite: Ag Welding

Grad Credit: Elective

This two-period 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).

**5224/5225 ROP Welding Fabrication II****12th Grade**

Prerequisite: ROP Welding

Grad Credit: Elective

This two-period 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.

## **Manufacturing, Production** **and Green Technology**

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

Prerequisite: Application process during 8th grade year

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, 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: Intro to Green Manufacturing

Grad Credit: Elective

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: Manufacturing Drafting

Grad Credit: Elective

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: Manufacturing Electricity

Grad Credit: Elective

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: Manufacturing Electricity

Grad Credit: Elective

College Prep: CSU/UC (g)

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.

## **Protective Services**

**5226/5227 P ROP Criminal Justice****11th-12th Grade**

Prerequisite: Eligibility and Instructor Approval

Grad Credit: Elective

College Prep: CSU/UC (g)

Students enrolled in this two-period Criminal Justice course will obtain knowledge and entry level skills relating to the Criminal Justice system. Various career opportunities are explored with an emphasis on guest speakers from Law Enforcement, the Judiciary, and Corrections. Field trips relevant to the course objective will be taken. Internships at local law enforcement agencies are accessible. The course is articulated through Modesto Junior College. Classes will be held at Ceres High School. Students from Central Valley, Hughson, and other regional high schools must provide their own transportation. Check with your Learning Director for scheduling options. Modesto Junior College Credits may be earned (3 Units).

**5367/5368 ROP Police Procedures****12th Grade**

Prerequisite: Eligibility and Instructor Approval (juniors completing Criminal Justice have priority)

Grad Credit: Elective

Students enrolled in this one period course are introduced to Patrol Procedures with emphasis on the typical duties of a Patrol Officer. Patrol Procedures offers knowledge and technology needed to process crime scenes including forensic evidence related to crime scenes and investigative methodologies related to Robberies, Burglaries, Arson, and Homicide Etc. This class will be taught at Ceres High School. Students enrolled at other regional high schools must provide their own transportation. Internships and ride alongs with law enforcement agencies are available. Positive student behavior is required.

# Animal Science

## **5438/5439 P Ag Leadership**

**9th-12th Grade**

Prerequisite: None

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 may be offered during 0 period.

## **4250/4251 P Intro to Animal Ag**

**9th Grade**

Prerequisite: None

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: 'C' or better in 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: 'C' or better in 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: 'C' or better in 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).

# NOTES

# 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**

**9th-12th Grade**

Prerequisites: Must be a resource student and staff recommendation

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.

## **4152/4153 Math Essentials I**

**9th-12th Grade**

Prerequisites: Placement test & staff recommendation

Grade Credit: Math

This course is intended to prepare students for the P Int Math I A class. It teaches topics such as decimals, fractions, percents, number expressions, and understanding word problem-solving, and math vocabulary.

**4160/4161 Int Math I A****9th-12th Grade**

Prerequisites: Successful completion of Math Essentials II, or staff recommendation

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****9th-12th Grade**

Prerequisites: Successful completion of Int Math I A, or staff recommendation

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.

**4000/4001 English I Essentials****9th-10th Grade**

Prerequisites: Placement test

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****11th-12th Grade**

Prerequisites: Placement test

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****9th-12th Grade**

Prerequisite: Teacher recommendation

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.

**4306/4307 World History Essentials****10th-11th Grade**

Prerequisites: None

Grade Credit: Social Studies

This course of history emphasizes the development of modern world history with an emphasis in the 20<sup>th</sup> century, for the purpose of showing different political, social, economic, and religious philosophies, which exist.

**5344/5345 Consumer Math****12th Grade**

Prerequisites: None

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.

**4310/4311 Civics Essentials****12th Grade**

Prerequisites: None

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****9th-12th Grade**

Prerequisites: None

Grade Credit: Physical Science

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

**5011/5012 Adaptive PE****9th-12th Grade**

Prerequisites: None

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 & Police Procedures  
Welding

CENTRAL VALLEY HS

Ag Advanced Floriculture  
Ag Landscape  
Applied Technology  
Landscaping  
Multi Media  
Newspaper  
Plant Production & Greenhouse  
Power Mechanics  
Welding  
Welding Fabrication

PATTERSON

Advanced Floral Design  
Ag.Welding & Fabrication  
Multimedia in Web Design  
Child Care Education I & II  
Automotive Service Tech.

NEWMAN-CROWS LANDING

Agriculture  
Child Development  
Floriculture  
Ornamental Horticulture  
Veterinary

TURLOCK SCHOOLS

Ag Welding & Fabrication  
Art & Hist. Floral Design  
Auto Body Repair  
Auto Service Tech.  
Criminal Justice  
Cross Age Tutor  
Culinary Arts/Food Service  
Early Childhood Development  
Educational Psychology  
Elementary Education Aide  
Hospital Health Services  
Ind. Engineer Technology  
Metal Fabrication  
Nursing Ass. Pre-Cert.  
Office Procedures/Technology

MODESTO CITY SCHOOLS

Automotive Technician  
Cabinet Construction  
Computer Programming  
Construction Technology  
Criminal Justice  
Culinary Arts  
Electrical Technology  
Employment Opportunities  
Fashion Merchandising  
Hospital Occupation  
Intro to Fire Protection  
Medical Office  
Nursing Precertification  
Structural Ag Welding

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**



