

**2025-2026**



*Course Catalog*

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# CHS Graduation Requirements & A-G, 4 Year College Requirements

\*Students must earn **230 credits** in order to graduate and earn a CHS diploma.

Ceres High School Graduation Requirements	A-G Requirements to get into a 4-Year College - CSU or UC
<b>History/Social Science 30 credits</b> World History 10 credits U. S. History 10 credits Prin of Dem/Economics 10 credits	(a) History/Social Science: 2 years required (One year of World History; one year of US History)
<b>English: 4 years 40 credits</b>	(b) English: 4 years required
<b>Mathematics: 2 years 20 credits</b> Int. Mathematics I/Equivalent 10 credits	(c) Mathematics: 3 years required, 4 years recommended
<b>Science: 2 years 20 credits</b> Life Science 10 credits Physical Science 10 credits	(d) Laboratory Science: 2 years required, 3 years recommended (At least 2 of 3 disciplines: Biology, Chemistry, Physics)
<b>Fine Arts <u>or</u> Modern Language: 1 year</b> 10 credits total	(e) Languages other than English: 2 years required, 3 years recommended (At least 2 years of the same language)
	(f) Visual and Performing Arts: 1 year required (one year, two semesters of the same class in Visual Art, Music, Dance or Drama)
<b>Physical Education: 20 credits</b> Frosh PE/Dance I 10 credits	N/A
<b>Electives 90 credits</b>	(g) College Preparatory Elective: 1 year required
<p>*Credits are earned on a semester basis. There are 2 semesters per year. A student should earn 60 credits a year. If a student fails a class, he/she may have to make up that class in one of our credit recoveries options. If you have questions, ask your Learning Director.</p>	<p>*Students should strive for a minimum of a 3.0 GPA in order to meet the grading requirements to get into a 4-year college. 4-year colleges require a minimum of a 'C' in each college prep course. If you are on the A-G track and earn a 'D' or lower, you must make up that grade to earn a 'C' or better to stay on track.</p>

# Ceres High School Graduation & A-G 4 yr. College Requirement Checklists

Five (5) credits are awarded to students who earn a grade of A, B, C, or D in each semester of a course.  
**\*\*In order to be eligible for a 4 year College and meet A-G requirements, C's or better are required.**  
D's do NOT count towards A-G requirements for the CSU or UC systems in California.

## **ENGLISH (40 credits)**

- |              |                                 |                                 |
|--------------|---------------------------------|---------------------------------|
| P English 9  | Sem. 1 <input type="checkbox"/> | Sem. 2 <input type="checkbox"/> |
| P English 10 | Sem. 1 <input type="checkbox"/> | Sem. 2 <input type="checkbox"/> |
| P English 11 | Sem. 1 <input type="checkbox"/> | Sem. 2 <input type="checkbox"/> |
| P Exp R & W  | Sem. 1 <input type="checkbox"/> | Sem. 2 <input type="checkbox"/> |

## **MATH (20 credits)**

- |                                  |                                 |                                 |
|----------------------------------|---------------------------------|---------------------------------|
| P Int Mathematics I              | Sem. 1 <input type="checkbox"/> | Sem. 2 <input type="checkbox"/> |
| P Int Mathematics II             | Sem. 1 <input type="checkbox"/> | Sem. 2 <input type="checkbox"/> |
| P Int Mathematics III            | Sem. 1 <input type="checkbox"/> | Sem. 2 <input type="checkbox"/> |
| *4 <sup>th</sup> year math _____ | Sem. 1 <input type="checkbox"/> | Sem. 2 <input type="checkbox"/> |

\*Because we are a college prep school, enrollment in math during senior year IS HIGHLY RECOMMENDED AT CHS.

## **SCIENCE (20 credits)**

- |                                      |                                 |                                 |
|--------------------------------------|---------------------------------|---------------------------------|
| P Physics of the Universe (Physical) | Sem. 1 <input type="checkbox"/> | Sem. 2 <input type="checkbox"/> |
| P Chemistry of the Earth Systems (P) | Sem. 1 <input type="checkbox"/> | Sem. 2 <input type="checkbox"/> |
| P Biology the Living Earth (Life)    | Sem. 1 <input type="checkbox"/> | Sem. 2 <input type="checkbox"/> |
| 4 <sup>th</sup> year science: _____  | Sem. 1 <input type="checkbox"/> | Sem. 2 <input type="checkbox"/> |

## **SOCIAL SCIENCE (30 credits)**

- None
- |                     |                                 |                                   |
|---------------------|---------------------------------|-----------------------------------|
| P World History     | Sem. 1 <input type="checkbox"/> | Sem. 2 <input type="checkbox"/>   |
| P US History        | Sem. 1 <input type="checkbox"/> | Sem. 2 <input type="checkbox"/>   |
| P Prin of Democracy |                                 | One Sem. <input type="checkbox"/> |
| P Economics (g)     |                                 | One Sem. <input type="checkbox"/> |

## **OTHER REQUIREMENTS**

- |                                    |                                 |                                 |
|------------------------------------|---------------------------------|---------------------------------|
| Frosh PE/Dance I                   | Sem. 1 <input type="checkbox"/> | Sem. 2 <input type="checkbox"/> |
| PE or equivalent                   | Sem. 1 <input type="checkbox"/> | Sem. 2 <input type="checkbox"/> |
| Fine Art <u>or</u> Modern Language | Sem. 1 <input type="checkbox"/> | Sem. 2 <input type="checkbox"/> |

\*Because we are a college prep school, enrollment in FA AND 2 years or equivalent of FL IS HIGHLY RECOMMENDED AT CHS.



A-G (4-year Eligibility box)		
A.	C's or better in World and US History	
B.	C's or better in 4 yrs of P English courses	
C.	C's or better in P Int Mathematics I-III	
D.	C's or better in Life AND Physical Sciences	
E.	C's or better in Language other than English, 2 years OR P Span II or higher	
F.	C or better in a Fine Art	
G.	1 year of an extra CP course	

**How many credits do you have? Total \_\_\_\_\_ out of 230 credits**

# Get Connected!

These 4 applications will help you and your student stay connected to school and their teachers!

## 1. Parent Square (for school and classroom messaging)

- Download the app on your smartphone!
- Login with the email or phone number registered with the school.



## 2. Infinite Campus (to view current proficiency levels, grades, report cards, and attendance)

- Download the app on your smartphone!
- Select "New User" and search for Ceres Unified.  
Type in the "Activation Key" provided by the school office.



## 3. Minga (a digital Hall Pass system)

- Digital copy of your student's ID card.
- Manages all requests for leaving a classroom.
  - Ease of access to entrances to sporting events, extra-curricular activities, and off campus privileges.
  - PARENTS: Opt-In to Minga notifications by allowing us to use your email or phone number. Make sure to check the box on your students BLUE Census Verification in their Dog Days Packet.



## 4. Google Classroom (to view upcoming assignments and evidence of learning)

- Download the app on your smartphone or go to [classroom.google.com](https://classroom.google.com) on a computer.
- Login using your child's' username and password
  - Username is their IDnumber@ceresusd.net
    - Password is their six digit birthday with a "-" and two random letters that change every school year (ex. 123107-em).



Questions? Visit the school office or call (209) 556-1920



stay

CONNECTED

FOLLOW US ON SOCIAL MEDIA!



# CHS COURSES CERTIFIED BY CSU/UC's

## a. History

AP Human Geography  
P World History  
AP European History  
P US History  
AP US History  
P Principles of Democracy (1 sem)  
AP American Government

## b. English

P English 9  
P Adv English 9  
P English 10  
P Adv English 10  
P English 11  
AP English Language  
P Expository Reading & Writing  
AP English Literature & Composition  
P ALD I-II

## c. Mathematics

\*P Int. Mathematics I-III  
\*P Int. Acc. Mathematics I-II  
AP Pre-Calculus  
AP Statistics  
P Data Science  
P QRAT  
AP Calculus & B/C  
\*may only be used for the "c" requirement.

## d. Laboratory Science

P Physics of the Universe  
P Adv Physics of the Universe  
P Chemistry in the Earth Systems  
P Adv Chemistry in the Earth Systems  
P Biology the Living Earth  
AP Biology  
AP Physics  
P Anatomy/Physiology  
P Comp. Science Discoveries  
AP Comp. Science Principles  
AP Computer Science  
P Prod Innovation & Design II-IV

## e. Foreign Language

P Spanish I-III  
P Spanish Speaker II-III  
AP Spanish Language  
AP Spanish Literature

**Note: Underlined courses will receive an extra honors grade point: A=5, B=4, C=3. No extra grade point for a "D" grade.**

## f. Visual and Performing Arts

P Art I-III  
AP Art & Design  
P Digital Photography  
P Intermediate Dig Photo  
P Computer Graphics I-II  
P Film & TV Production I-III  
P Animation I-II  
P Literature & History via Film  
P Dance Production I-IV, Adv  
P Theater Arts I-IV  
P Stagecraft & Tech  
P Guitar I  
P Wind Ensemble  
P Concert Choir  
P Beginning Piano  
P Mariachi Band

## g. Elective Courses (including other college prep courses)

P Economics (1 sem)  
P Ethnic Studies  
P Creative Writing, Adv  
P PAL (Peer Assisted Learn)  
P Yearbook I-III, Adv  
P Healthy Living & Wellness  
P ASB Leadership I-IV  
P Psychology  
AP Psychology  
P Intro to Ag Mechanics  
P Intermediate Ag Mech  
P Advanced Ag Mechanics, II  
P Intro to Agriculture  
P Intro to Vet Science  
P Adv Animal Science  
P Adv Veterinary Science  
P Ag Leadership I-IV  
P Intro to Floriculture  
P Ag Adv Floriculture  
P Introduction to Building and Construction Careers (pending)  
P Advanced Electrical Systems and Controls (pending)  
P Prod Innovation & Design I  
P Criminal Justice  
P Adv Police Procedures

# 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 19)**

**Art & Design (p 33)**

**Biology (p 29)**

**Calculus (p 27)**

**Calculus BC (p 28)**

**Comp. Sci Prin (p 30)**

**Computer Science (p 31)**

**English Language (p 21)**

**English Lit & Com (p 22)**

**European History (p 18)**

**Human Geog (p 18)**

**Physics (p 30)**

**Pre-Calculus (p 26)**

**Psychology (p 46)**

**Spanish Language (p 32)**

**Spanish Literature (p 32)**

**Statistics (p 26)**

**US History (p 19)**

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

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

Career Technical Education engages students in a hands-on learning experience resulting in knowledge of career and academic skills within a specific industry sector. Students are introduced to rigorous industry standards reflecting the essential knowledge needed to transition to careers or post-secondary education training within that sector. Staff focus on workplace skills development. We pride our programs on having close Industry and Post-Secondary Education Connections within the community. We, at Ceres High School offer 5 of the industry sectors the state of California has identified as CTE Pathways. Each sector contains multiple career pathways in which to develop a Program of Study or enter directly into employment. (NOTE-A student can take more than one sector or pathway.)



**AGRICULTURE AND NATURAL RESOURCES INDUSTRY SECTOR**



**ARTS, MEDIA AND ENTERTAINMENT INDUSTRY SECTOR**



**BUILDING AND CONSTRUCTION TRADES**



**MANUFACTURING AND PRODUCT DEVELOPMENT INDUSTRY SECTOR**

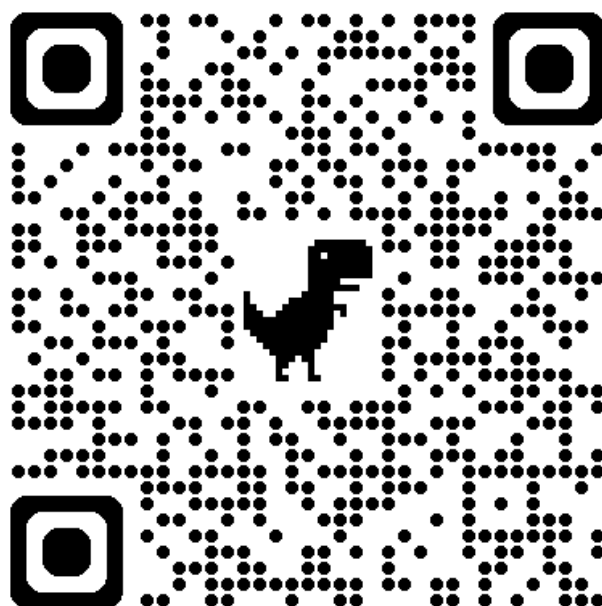


**PUBLIC SERVICES INDUSTRY SECTOR**

	<b>PATHWAY</b>	<b>INTRODUCTORY</b>	<b>CONCENTRATOR</b>	<b>CAPSTONE/ COMPLETER</b>
<b><u>Agriculture and Natural Resources</u></b>	<b>Agricultural Mechanics (101)</b>	P Intro to Agriculture 5436/5437  P Intro to Ag Mechanics 5492/5493	P Intermediate Ag Mech 5494/5495	P Ag Leadership I-IV  P Advanced Ag Mechanics 5496/5497  P Advanced Ag Mechanics II 5522/5523
	<b>Animal Science (103)</b>	P Intro to Agriculture 5436/5437  P Intro to Vet Sci 4222/4223		P Ag Leadership I-IV  P Adv Animal Science 4248/4249  P Adv Veterinary Science 4252/4253
	<b>Ornamental Horticulture (105)</b>	P Intro to Agriculture 5436/5437  P Intro to Floriculture 5466/5467		P Ag Leadership I-IV  P Ag Adv Floriculture 5468/5469
<b><u>Arts, Media and Entertainment</u></b>	<b>Design, Visual and Media Arts (111)</b>		P Computer Graphics 4614/4615	P Computer Graphics II 4534/4535
			P Animation 5402/5403	P Animation II 5512/5513
	<b>Production and Managerial Arts (113)</b>		P Film & Television Prod 5526/5527	P Film & Television Prod II 5528/5529  P Film & Television Prod III 5530/5531

	PATHWAY	INTRODUCTORY	CONCENTRATOR	CAPSTONE/ COMPLETER
<b><u>Building and Construction Trades</u></b>	<b>Residential and Commercial Construction (123)</b>		P Introduction to Building and Construction Careers 5536/5537	P Advanced Electrical Systems and Controls 5538/5539 2 periods (25/26 students taking this will not be completers)
<b><u>Manufacturing and Product Development</u></b>	<b>Product Innovation and Design (216)</b>	P Prod Innovation & Design 4582/4583	P Prod Innovation & Design II 4584/4585	P Prod Innovation & Des III 4596/4597  P Prod Innovation & Design IV 5504/5505
<b><u>Public Services</u></b>	<b>Public Safety (232)</b>		P Criminal Justice 5446/5447	P Adv Police Procedures 5448/5449

**Scan this QR code to see the  
Ceres Unified CTE website and CUSD CTE Course Catalog**



# MESSAGE FROM OUR DIRECTOR



To Our Ceres Unified Education Community,

I am delighted to extend a warm welcome to each of you as we embark on another exciting academic year here at Ceres Unified. As the Director of Career Technical Education (CTE) & Career Readiness, it is my privilege to share with you the vision and commitment we have for our CTE programs.

At the heart of our mission is a dedication to equipping students with the skills, knowledge, and experiences that will empower them to thrive in the ever-evolving landscape of the workforce. CTE plays a vital role in bridging the gap between classroom education and the demands of real-world careers. Our CTE programs are not just about imparting knowledge; it's about fostering a passion for learning and providing practical, hands-on experiences that prepare students for success. We believe in the power of diverse career pathways and aim to guide our students toward discovering their unique talents and interests.

In collaboration with industry experts and local employers, our CTE goals are meticulously crafted to align with the current and future needs of the job market. In response to changing policies, standards, and economic demands, Career and Technical Education in Ceres Unified is committed to developing increasingly rigorous and relevant programs, new pathways, resources, and services to benefit students and the community. Our goal is to foster innovation and continuous improvement of CTE instructional programs so that today's students are equipped to become tomorrow's professionals in a rapidly changing global economy.

I invite you to join us in supporting our CTE programs as we work together to shape the future of our students. By investing in CTE, we are investing in the success and prosperity of our community. Let's inspire, educate, and empower our students to reach new heights and achieve their dreams.

Thank you for taking the time to explore this booklet for more resources and information about our classes, pathways, and programs. For additional information on course opportunities, or how to partner with our programs, please contact me at (209) 556-1975 or via email at [eharry@ceres.k12.ca.us](mailto:eharry@ceres.k12.ca.us).

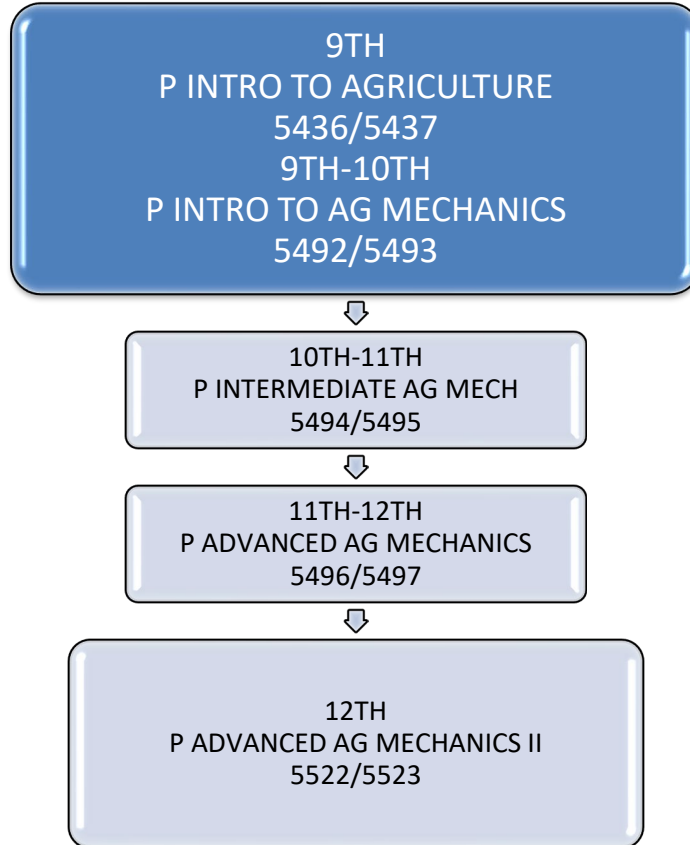
I am grateful for your support, and here's to a rewarding and successful academic year!

Sincerely,  
Emily Harry  
Director of CTE & Career Readiness

# Agriculture and Natural Resources

(State Pathway Title: (101) Agricultural Mechanics)

High School, 9th - 12th grade



CTE Pathways help focus on the following for completers:

- Workplace Skills Development
- Industry and Postsecondary Education Connections

## POST GRADUATION OPTIONS

- Community College- Associate Degrees or Certificate Programs
- Four Year University-Bachelor's Degree or Transfer
- Employment

## EXAMPLES OF SOME FUTURE CAREERS WITHIN THIS PATHWAY

Assembly Technician

Automation Coordinator/Technician

Construction Foreperson

Electrical Engineer

Farm Equipment Operator

Manufacturing Welder

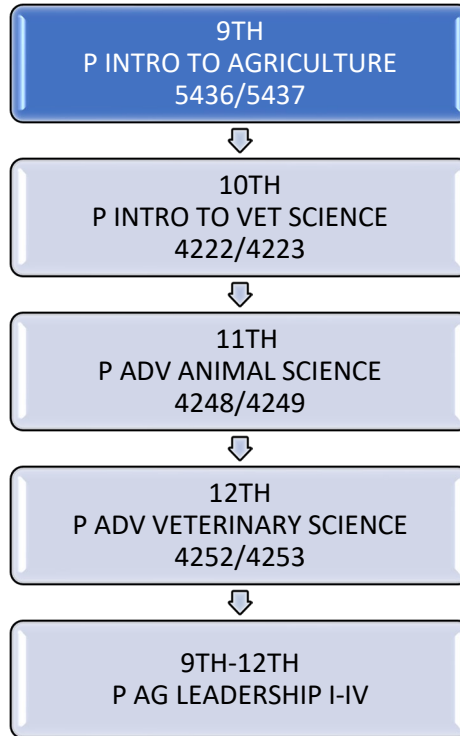
Warehouse Manager

**\*\*For FFA the requirements are 3 sequential courses, this is an embedded component of all ag pathways**

# Agriculture and Natural Resources

(State Pathway Title: (103) Animal Science)

High School, 9th - 12th grade



CTE Pathways help focus on the following for completers:

- Workplace Skills Development
- Industry and Postsecondary Education Connections

## POST GRADUATION OPTIONS

- Community College- Associate Degrees or Certificate Programs
- Four Year University-Bachelor's Degree or Transfer
- Employment

## EXAMPLES OF SOME FUTURE CAREERS WITHIN THIS PATHWAY

Animal Facilities Manager

Breeding Technician

Farm and Ranch Assistant

Veterinary Assistant

Veterinary Equipment Operations

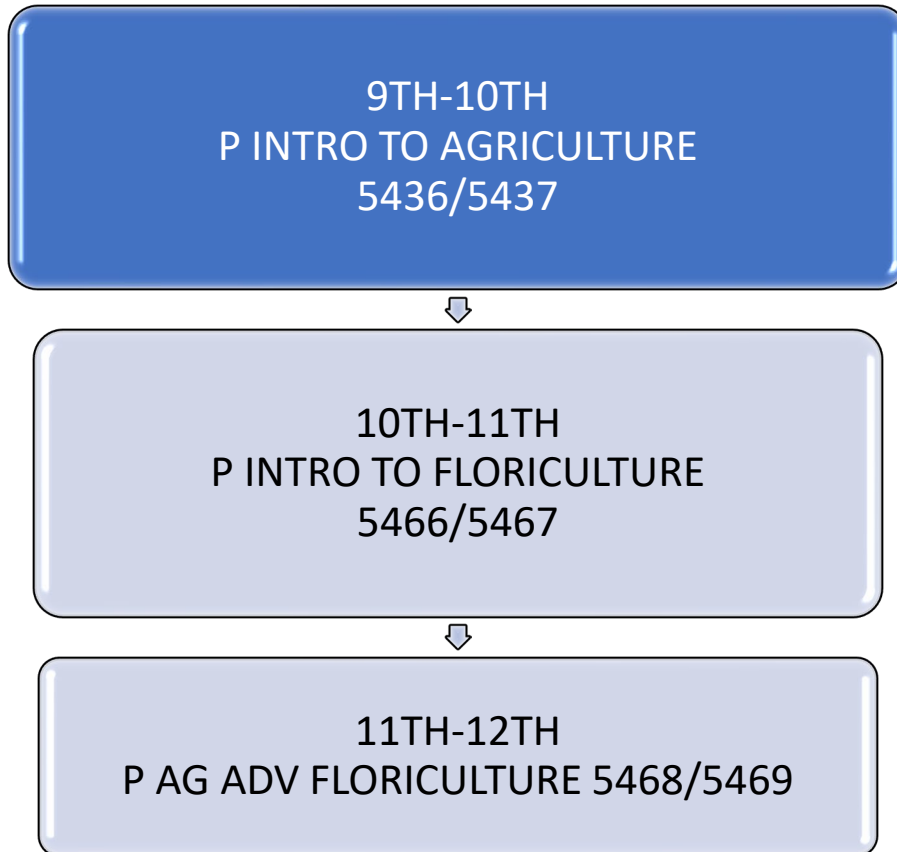
Veterinary Laboratory Technologist

**\*\*For FFA the requirements are 3 sequential courses, this is an embedded component of all ag pathways**

# Agriculture and Natural Resources

(State Pathway Title: (105) Ornamental Horticulture)

High School, 9th - 12th grade



CTE Pathways help focus on the following for completers:

- Workplace Skills Development
- Industry and Postsecondary Education Connections

## POST GRADUATION OPTIONS

- Community College- Associate Degrees or Certificate Programs
- Four Year University-Bachelor's Degree or Transfer
- Employment

## EXAMPLES OF SOME FUTURE CAREERS WITHIN THIS PATHWAY

Bulk Flower Purchaser

Floral Designer

Landscape Contractor

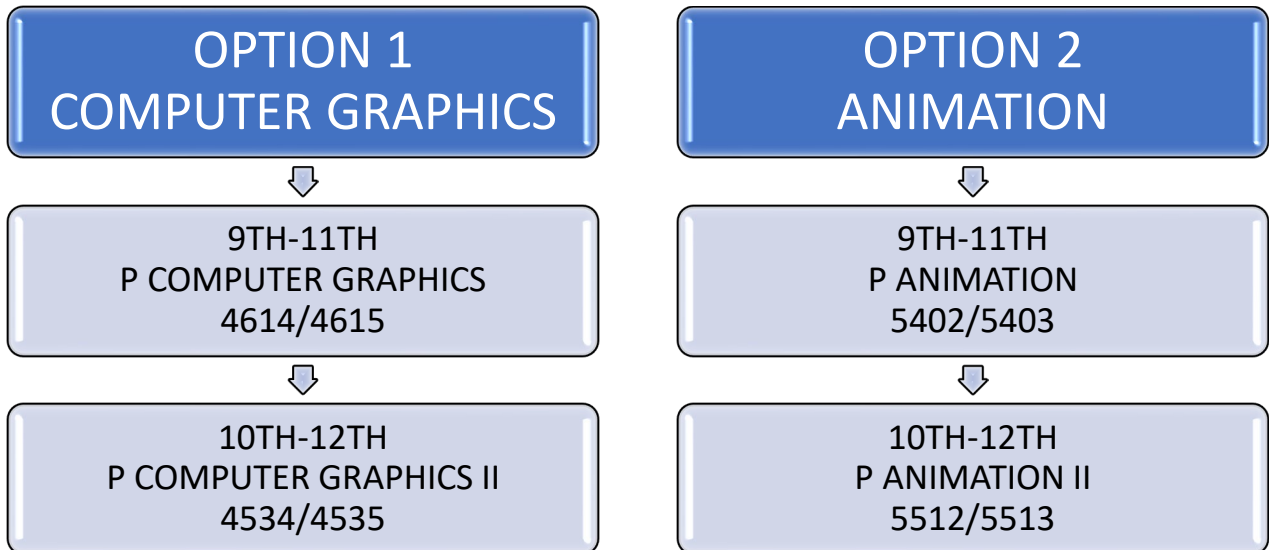
**\*\*For FFA the requirements are 3 sequential courses, this is an embedded component of all ag pathways**

# Arts, Media, and Entertainment

(State Pathway Title: (111) Design, Visual and Media Arts)

High School, 9th - 12th grade

\*\*A student can take more than one option during high school!



CTE Pathways help focus on the following for completers:

- Workplace Skills Development
- Industry and Postsecondary Education Connections

## POST GRADUATION OPTIONS

- Community College- Associate Degrees or Certificate Programs
- Four Year University-Bachelor's Degree or Transfer
- Employment

## EXAMPLES OF SOME FUTURE CAREERS WITHIN THESE PATHWAYS

### OPTION 1

3D Production Artist  
Graphic Designer  
Multimedia Designer

### OPTION 2

Animator  
Image Editor  
Storyboard Artist

# Arts, Media, and Entertainment

(State Pathway Title: (113) Production and Managerial Arts)

High School, 9th - 12th grade



CTE Pathways help focus on the following for completers:

- Workplace Skills Development
- Industry and Postsecondary Education Connections

## POST GRADUATION OPTIONS

- Community College- Associate Degrees or Certificate Programs
- Four Year University-Bachelor's Degree or Transfer
- Employment

## EXAMPLES OF SOME FUTURE CAREERS WITHIN THIS PATHWAY

Film Editor

Production Assistant

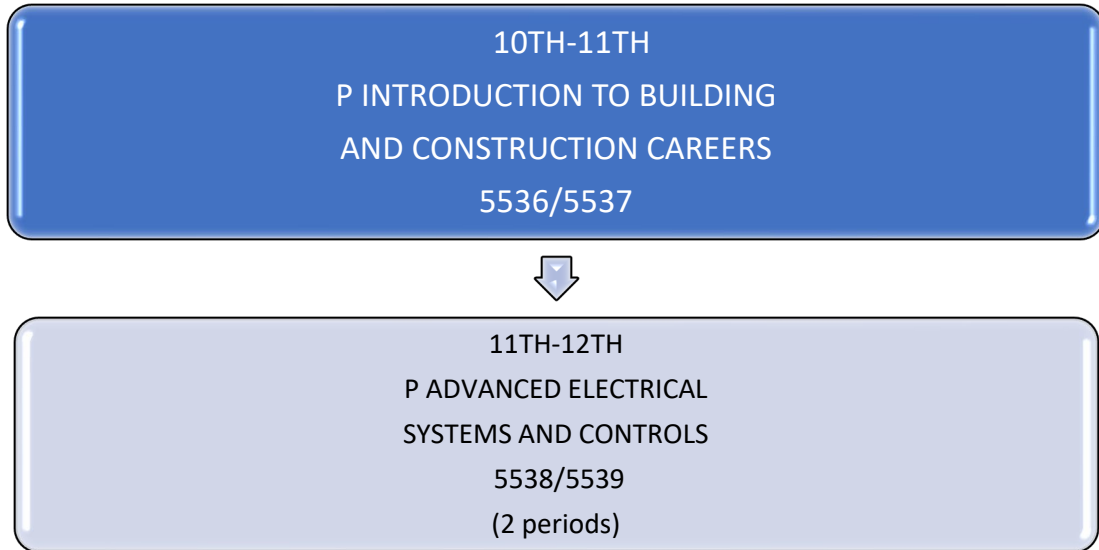
Videographer

# Building and Construction Trades



(State Pathway Title: (123) Residential and Commercial Construction)

High School, 10th - 12th grade



CTE Pathways help focus on the following for completers:

- Workplace Skills Development
- Industry and Postsecondary Education Connections

## POST GRADUATION OPTIONS

- Community College- Associate Degrees or Certificate Programs
- Four Year University-Bachelor's Degree or Transfer
- Employment

## EXAMPLES OF SOME FUTURE CAREERS WITHIN THIS PATHWAY

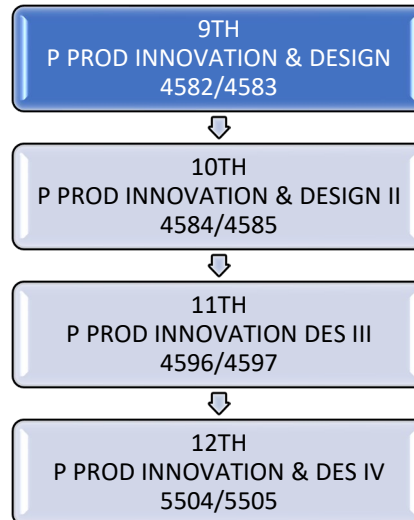
Plumber  
Electrician  
Building Inspector  
Estimator  
Carpenter

# Manufacturing and Product Development

(State Pathway Title: (216) Product Innovation and Design)

## MPGT Academy

### Ceres High School 9th - 11th grade



- Students wanting to join, must apply for enrollment to Academy
- Parental Approval
- Interview process
- Maintain 80% attendance
- Maintain 90% course credits
- Student paired with mentor
- Two pathways within academy; Manufacturing or Engineering

CTE Pathways help focus on the following for completers:

- Workplace Skills Development
- Industry and Postsecondary Education Connections

#### POST GRADUATION OPTIONS

- Community College- Associate Degrees or Certificate Programs
- Four Year University-Bachelor's Degree or Transfer
- Employment

#### EXAMPLES OF SOME FUTURE CAREERS WITHIN THIS PATHWAY

Assembler  
Electrician  
Engineering  
Fabricator

Forklift Driver  
Line Worker  
Machine Operators  
Maintenance Mechanic

Programmer  
Quality Control  
Robotics  
Solar Installer

# Public Services

**(State Pathway Title: (232) Public Safety)**

**High School, 10th - 12th grade**

10TH-11TH  
P CRIMINAL JUSTICE  
5446/5447



11TH-12TH  
P ADV POLICE PROCEDURES  
5448/5449

CTE Pathways help focus on the following for completers:

- Workplace Skills Development
- Industry and Postsecondary Education Connections

## **POST GRADUATION OPTIONS**

- Community College- Associate Degrees or Certificate Programs
- Four Year University-Bachelor's Degree or Transfer
- Employment

## **EXAMPLES OF SOME FUTURE CAREERS WITHIN THIS PATHWAY**

Animal Control  
Highway Patrol  
Police Officer  
Probation Officer

# GENERAL EDUCATION COURSES

## CORE SUBJECT COURSES

### Social Studies

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

Prerequisites: AP MOU signed by Parent and Student

Grad Credit: Elective

**9th-12th Grade**

Weighted Grade

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. Note: If there is a summer assignment it is due on the first day of school and students will be required to take the AP exam for this course in May. Students who earn a “3” or better on the AP exam may earn college credit.

#### **4320/4321 P World Hist**

Grad Credit: World History

**10th Grade**

College Prep: CSU/UC (a)

This course examines modern world history, with a review on ancient civilizations then focuses on the 1700’s to present. The emphasis is on emerging ideologies, expansion of empires, growth of nations, and an increase of global interdependence. Students develop an understanding of current world issues and relate them to their historical, geographical, political, economic, and cultural context.

#### **4324/4325 AP European Hist**

Prerequisites: AP MOU signed by Parent and Student

Grad Credit: World History

**10th Grade**

Weighted Grade

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. Note: If there is a summer assignment it is due on the first day of school and students will be required to take the AP exam for this course in May. Students who earn a “3” or better on the AP exam may earn college credit.

#### **4326/4327 P US Hist**

Grad Credit: U.S. History

**11th Grade**

College Prep: CSU/UC (a)

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

**4328/4329 AP US Hist**

Prerequisite: AP MOU signed by Parent and Student

Grad Credit: U.S. History

**11th Grade**

Weighted Grade

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. Note: If there is a summer assignment it is due on the first day of school and students will be required to take the AP exam for this course in May. Students who earn a "3" or better on the AP exam may earn college credit.

**4313 P Prin of Democ**

Grad Credit: Principles of Democracy

**12th Grade**

College Prep: CSU/UC (a)

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

**4312 P Economics**

Grad Credit: Economics

**12th Grade**

College Prep CSU/UC: (g)

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

**4330/4331 AP American Govt**

Prerequisite: AP MOU signed by Parent and Student

Grad Credit: Principles of Democracy &amp; Economics

**12th Grade**

Weighted Grade

College Prep: CSU/UC (a)

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

**4334/4335 P Ethnic Studies**

Grad Credit: Elective

**9th-12th Grade**

College Prep: CSU/UC (g)

Are you interested in history and social studies? Want to learn more about history and the experiences of different people? If you are, Ethnic Studies is a course you will enjoy! Ethnic Studies is an elective that focuses on the experiences of different ethnic and racial groups, including Mexican-Americans, Black Americans, Asian Americans, Native Americans and more. Through engaging in readings, lectures, class discussions, videos, and interactive activities, we will explore how different ethnic groups overcame discrimination and how we can continue to make society equal for all.

## English

**4030/4031 P Eng 9**

Grad Credit: English

**9th Grade**

College Prep: CSU/UC (b)

In this course, students will respond to grade-level literature and non-fiction works through a variety of writing, speaking, and listening activities. Writing will be taught as a process as students respond to texts in and from a variety of genres.

**4056/4057 P Adv English 9**

Grad Credit: English

**9th Grade**

College Prep: CSU/UC (b)

This course lays the foundation for success in college level studies. It emphasizes critical thinking, reading, writing, and research. Students read short stories, novels, poetry, and non-fiction. All novels are read outside of class. Students write analytically, informatively, and creatively, developing a variety of writing skills and demonstrating accurate use of English conventions. Vocabulary is literature and SAT based. Students will read grade-level material and be assigned reading and writing outside of class.

**4036/4037 P Eng 10**

Grad Credit: English

**10th Grade**

College Prep: CSU/UC (b)

This course has a literature focus, with an emphasis on the author's craft. A variety of literary genres will be studied, including short stories, poetry, novels, and plays as well as forms of non-fiction including essays articles and autobiographies. Reading comprehension strategies including inquiry, prediction, analysis, and synthesis will be taught. Process writings are taught and writing experiences are closely related to reading strategies and materials. Research skills and instruction for informative and argumentative writing will be provided. Language conventions, vocabulary expansion, and academic language are taught throughout. Students will be expected to read grade-level material and will be assigned reading and writing outside of class.

**4058/4059 P Adv English 10**

Grad Credit: English

**10th Grade**

College Prep: CSU/UC (b)

This course lays the foundation for success in college level studies. It emphasizes written and oral expression, vocabulary expansion, word usage, mechanics, and varied sentence structures. Areas of study include: analytical reading, essay and research writing, practice with AP-style prompts and writing, MLA format, appreciation and analysis of various genres of writing. Students are expected to read a variety of materials including short stories, poetry, novels, and plays as well as forms of non-fiction including essays, articles, and auto biographies and will be assigned reading and writing outside of class.

**4040/4041 P Eng 11**

Grad Credit: English

**11th Grade**

College Prep: CSU/UC (b)

This course emphasizes American literature and non-fiction, incorporating foundational U.S. documents of historical and literary significance. A variety of writing experiences are offered: multi-cultural literature, novel, play, and essay. Students are expected to read grade-level material and will be assigned reading and writing.

**4042/4043 AP Eng Lang**

Prerequisite: AP MOU signed by Parent and Student

Grad Credit: English

**11th Grade**

Weighted Grade

College Prep: CSU/UC (b)

AP English Language is often called “a college course on a high school campus.” Students will read a variety of prose from varying time periods, disciplines and contexts. It is also a course in American literature. Students will be expected to read independently and be tested regularly on forms of rhetoric and rhetorical strategies. Students will develop skills at writing for a variety of purposes and audiences. Assignments will emphasize writing arguments, rhetorical analyses, and research papers. Students should be writing at (or have the ability to reach) college level. Students are responsible for making sure they have received the summer assignment before leaving for summer vacation. Course curriculum and assignments will be designed to prepare students for taking the advanced placement exam. Note: If there is a summer assignment it is due on the first day of school and students will be required to take the AP exam for this course in May. Students who earn a “3” or better on the AP exam may earn college credit.

**5398/5399 P Expos. Reading & Writing**

Grad Credit: English

**12th Grade**

College Prep: CSU/UC (b)

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

**4046/4047 AP Eng Lit**

Prerequisite: AP MOU signed by Parent and Student

Grad Credit: English

**12th Grade**

Weighted Grade

College Prep: CSU/UC (b)

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

**4050/4051 P Creative Writing**

Grad Credit: English

**9th-12th Grade**

College Prep: CSU/UC (b)

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

**4096/4097 P Adv Creative Writing**

Prerequisite: passing grade in both semesters of P Creative Writing

Grad Credit: English Elective

**10th-12th Grade**

College Prep: CSU/UC (b)

This course is for students who have already taken Creative Writing and wish to continue their writing studies! While the four main genres of creative writing will remain the same as in the introduction course, students will take the concepts that they learned and the skills that they developed and produce more student-facilitated pieces. Advanced Creative Writing students will also give deeper peer feedback in more frequent writing workshops. Additionally, as advanced creative writers, students in this course will serve as peer mentors for students in the Creative Writing introduction course. Finally, students will have the chance to participate in an assortment of opportunities to get their final drafts published.

**4052/4053 P Speech**

Grad Credit: Elective

**9th-12th Grade**

College Prep: CSU/UC (g)

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

# ELD Courses

## English Language Development

Designed for students who are English Language Learners. Students placed accordingly.

### **ELD I**

**9th-12th Grade**

Grad Credit: Elective

This course is intended for emerging students of English. It focuses on increasing students' English skills in the areas of speaking, listening, reading and writing. Course work is centered on developing English skills immediately useful in school, classroom, and community settings.

### **ELD II**

**9th-12th Grade**

Grad Credit: Elective

This course is intending for expanding students of English. It focuses on increasing students' English skills in the areas of speaking, listening, reading and writing. Students will learn basic academic vocabulary and skills in exploring language across the curriculum.

### **ELD III**

**9th-12th Grade**

Grad Credit: Elective

This course is focuses on reading, writing, listening and speaking, as well as developing an ability to comprehend and analyze rigorous English language texts and media. Students use graphic organizers and a variety of strategies to make meaning in context.

### **P ALD I**

**9th-12th Grade**

Grad Credit: English

College Prep: CSU/UC (b)

This course expands listening, speaking, reading and writing skills with an emphasis on the development of complex literacy skills. Students focus on word analysis, fluency, and vocabulary development. Students are expected to respond to multiple forms of academic media in a variety of ways.

### **P ALD II**

**9th-12th Grade**

Grad Credit: English

College Prep: CSU/UC (b)

This course is a bridging level English language development class. The class content is designed to help students acquire grade level English language proficiency in listening, speaking, reading and writing.

# Mathematics

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

**9th Grade**

Grad Credit: Int. Mathematics I/Equivalent

College Prep: CSU/UC (c)

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

## **4176/4177 P Int. Acc. Mathematics I**

**9th Grade**

Grad Credit: Int. Mathematics I/Equivalent

College Prep: CSU/UC (c)

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

## **4170/4171 P Int. Mathematics II**

**9th-12th Grade**

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

Grad Credit: Int. Mathematics I/Equivalent or Math

College Prep: CSU/UC (c)

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

# MATHEMATICS

## Which math class should I take my senior year of high school?

Ceres High School requires that every student complete two years of math to graduate, however, many students choose to take a four-year pathway based on their college and career goals. In order to meet the UC and CSU “A-G” requirements, you must complete Integrated Math III with C’s or higher, but colleges recommend that math is taken your senior year. Below you will find the variety of advanced math offerings at CHS, the prerequisites, and which course a student should consider taking based on future goals.

Course	Prerequisites	Why would I take this course?
P Data Science	P Int. Mathematics II	<ul style="list-style-type: none"> <li>I want to keep up on my math skills between now and college in order to be prepared, but I do not want to take an AP math course.</li> </ul>
P (QRAT) Quan Reasoning Math  P Quantitative Reasoning with Advanced Math Topics	P Int. Mathematics III	<ul style="list-style-type: none"> <li>I am not interested in Pre-Cal/Calculus but still want to continue developing my math knowledge and this class will challenge my math skills while preparing me for college.</li> <li>This course will better prepare me for rigorous math requirements that are STEM and/or math intensive.</li> </ul>
AP Statistics	P Int. Mathematics II, P Int Acc Mathematics II, P Int. Mathematics III	<ul style="list-style-type: none"> <li>College majors that don’t require Calculus often DO require Statistics. This course would get me a jump start on statistical concepts.</li> <li>It is an opportunity to earn college credit.</li> </ul>
AP Pre-Calculus	P Int Acc Mathematics II or P Int. Mathematics III	<ul style="list-style-type: none"> <li>I want to major in science, engineering, or math. is an opportunity to earn college credit.</li> </ul>
AP Calculus	AP Pre-Calculus	<ul style="list-style-type: none"> <li>I want to pursue science, engineering, or math in college.</li> <li>It will make me more competitive when applying to colleges.</li> <li>It is an opportunity to earn college credit.</li> </ul>

**4172/4173 P Int. Mathematics III**

Grad Credit: Int. Mathematics I/Equivalent or Math

**10th-12th Grade**

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.

**4188/4189 AP Pre-Calculus**

Prerequisite: Completion of P Int. Acc. Mathematics II or Int. Mathematics III and an AP MOU signed by Parent and Student

Grad Credit: Int. Mathematics I/Equivalent or Math

**11th-12th Grade**

Weighted Grade

College Prep: CSU/UC (c or g)

This college level course is designed for college-preparatory students as a third- or fourth-year mathematics course. It prepares students for other higher-level mathematics and science courses. Students study mathematical functions through their graphical, numerical, verbal and analytical representations and their applications in a variety of contexts. Additionally, students apply their understanding of functions by constructing and validating appropriate function models for scenarios, sets of conditions, and data sets. Course curriculum and assignments will be designed to prepare students for taking the advanced placement exam. Note: If there is a summer assignment it is due on the first day of school and students will be required to take the AP exam for this course in May. Students who earn a "3" or better on the AP exam may earn college credit.

**4150/4151 AP Stat**

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

Grad Credit: Math

**11th-12th Grade**

Weighted Grade

College Prep: CSU/UC (c or g)

AP Statistics is a college level course 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: If there is a summer assignment it is due on the first day of school and students will be required to take the AP exam for this course in May. Students who earn a "3" or better on the AP exam may earn college credit. **\*11<sup>th</sup> grade students enrolled in this course must be concurrently enrolled in P Int. Mathematics III or AP Pre Calc.**

**4184/4185 P Data Science**

Grad Credit: Math

**12th Grade**

College Prep: CSU/UC (c)

This course will have students learn to understand, ask questions of, and represent data through project-based units. The units will give students opportunities to be data explorers through active engagement, developing their understanding of data analysis, sampling, correlation/causation, bias and uncertainty, modeling with data, making and evaluating data-based arguments, and the importance of data in society. At the end of the course, students will have a portfolio of their data science work to showcase their newly developed knowledge and understanding. This course has several opportunities for students to develop their explanatory writing skills across multiple platforms. Communication at every stage of data science process is key in making sense of a context, its data, interpretation, and story. Students will revise and refine their writing using self, peer, and teacher feedback.

**4186/4187 P QRAT Quan Reasoning Math**

Grad Credit: Int. Mathematics I/Equivalent or Math

**12th Grade**

College Prep: CSU/UC (c)

This course was developed to better prepare college and career-bound high school students with the 21<sup>st</sup> century skills necessary to meet the mathematical thinking and problem-solving expectations of higher educational courses and workplace requirements.

**4148/4149 AP Calc**Prerequisite: Completion of AP Pre-Calculus  
and an AP MOU signed by Parent and Student

Grad Credit: Int. Mathematics I/Equivalent or Math

**12th Grade**

Weighted Grade

College Prep: CSU/UC (c or g)

AP Calculus is a 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. Note: If there is a summer assignment it is due on the first day of school and students will be required to take the AP exam for this course in May. Students who earn a "3" or better on the AP exam may earn college credit.

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

Prerequisite: Completion of AP Pre-Calculus  
and an AP MOU signed by Parent and Student  
Grad Credit: Int. Mathematics I/Equivalent or Math

Weighted Grade  
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. The course curriculum and assignments are designed to improve critical thinking skills and prepare students to take the advanced placement exam. Note: If there is a summer assignment it is due on the first day of school and students will be required to take the AP exam for this course in May. Students who earn a "3" or better on the AP exam may earn college credit.

## Science

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

Grad Credit: Physical Science

College Prep: CSU/UC (d)

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

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

Grad Credit: Physical Science

College Prep: CSU/UC (d or g)

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

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

Grad Credit: Physical Science

College Prep: CSU/UC (d or g)

This course is an NGSS (Next Generation Science Standards) aligned chemistry course where students will explore physical science concepts that build comprehension around matter, its properties, and its interactions with other matter and energy. The units within this course are presented thematically to provide a context for student learning. Students will explore concepts in chemistry and apply their understanding of these concepts in the context of Earth Science. The integration of relevant Earth Science concepts such as ocean acidification and climate change are designed to deepen student understanding of chemistry's role in Earth's systems and society.

**4560/4561 P Adv Chem in Earth Systems****10th Grade**

Grad Credit: Physical Science

College Prep: CSU/UC (d or g)

This course is a NGSS (Next Generation Science Standards) aligned chemistry course where students will explore physical science concepts in a more in-depth way that builds comprehension around matter, its properties, and its interactions with other matter and energy in a deeper conceptual setting. The units within this course are presented thematically to provide a context for deeper student learning and application. Students will explore concepts in chemistry and apply their understanding of these concepts in the context of Earth Science focusing on deeper exploration on the topics presented. The integration of relevant Earth Science concepts such as ocean acidification and climate change are designed to deepen student understanding of chemistry's roles in Earth's systems and society.

**4260/4261 P Biology The Living Earth****11th Grade**

Grad Credit: Life Science

College Prep: CSU/UC (d or g)

This is the third course in the three-year integrated science program based on NGSS (Next Generation Science Standards) and includes the necessary Earth Science standards. The units in this course will focus on ecosystems interactions and energy, photosynthesis and respiration, evolution, inheritance/genetics, cells and organisms, and ecosystem stability and the response to climate change.

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

Prerequisite: AP MOU signed by Parent and Student

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. Note: If there is a summer assignment it is due on the first day of school and students will be required to take the AP exam for this course in May. Students who earn a "3" or better on the AP exam may earn college credit.

**4242/4243 AP Physics**

Prerequisite: AP MOU signed by Parent and Student

Grad Credit: Physical Science

**11th-12th Grade**

Weighted Grade

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. Note: If there is a summer assignment it is due on the first day of school and students will be required to take the AP exam for this course in May. Students who earn a “3” or better on the AP exam may earn college credit.

**4236/4237 P Anatomy/Phys**

Grad Credit: Life Science

**11th-12th Grade**

College Prep: CSU/UC (d or g)

P Anatomy/Physiology 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.

**4576/4577 P Computer Science Discoveries**

Grad Credit: Elective

**9th-11th Grade**

College Prep: CSU/UC (d)

This course is an introductory course that empowers students to create authentic artifacts from hands on activities to engaging with computer language as a medium of creativity, communication and problem solving while reflecting on their learning. Students will learn how to problem solve while creating their own webpage using HTML and applications within the school year. (Computer Science Language: Java Blocks/Java Script)

**4258/4259 AP Comp. Science Principles**

Prerequisite: C or better in Computer Science Discoveries or

Int. Mathematics II &amp;/or LD approval and an AP MOU signed by Parent and Student

Weighted Grade

Grad Credit: Elective

**10th-12th Grade**

College Prep: CSU/UC (d)

This college level course offers a multidisciplinary approach to teaching the underlying principles of computer science. The course will introduce students to the creativity aspects of programming, digital information, the internet, algorithms, data, cybersecurity and global impact. The course curriculum and assignments are designed to improve critical thinking while collaborating with classmates and peers. The underlying of the course is to prepare students to take the advanced placement exam. Note: The summer assignment is due on the first day of school (Computer Science Language: Java Scrip) and students will be required to take the AP exam for this course in May. Students who earn a “3” or better on the AP exam may earn college credit.

**4574/4575 AP Computer Science****11th-12th Grade**

Prerequisite: C or better in AP Computer Science Principles, concurrently in or have passed

P Int. Mathematics III and an AP MOU signed by Parent and Student

Weighted Grade

Grad Credit: Elective

College Prep: CSU/UC (d)

This college level course covers fundamental skills and topics of computer science. Computer Science embraces problem solving, hardware, algorithms, and perspectives that help people utilize computers to solve real-world problems in everyday life. Students will be introduced to problem solving, design strategies and methodologies, data structures, algorithms, solution analysis and the ethical and social implication of computing. The course emphasizes both-oriented and imperative problem solving and design. This course curriculum and assignments are designed to improve critical thinking while collaborating with classmates and peers. The underlying of the course is to prepare students to take the advanced placement exam. Note: The summer assignment is due on the first day of school (Computer Science Language: Java)

# ELECTIVE SUBJECT COURSES

## Foreign Language

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

Grad Credit: Foreign Language

College Prep: CSU/US (e)

This course is a college-prep paced foundation to foreign language study. Students with a Spanish-speaking background will take a placement test for appropriate placement in the Spanish for Spanish Speakers track.

**4402/4403 P Spanish II****9th-12th Grade**

Grad Credit: Foreign Language

College Prep: CSU/UC (e)

This course, P Spanish II builds on the skills learned in P Spanish I.

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

Prerequisite: Placement assessment or Completion of Spanish Speakers

Grad Credit: Foreign Language

College Prep: CSU/UC (e)

P Spanish for Spanish Speaker II follows P Spanish II curriculum with an emphasis on the skills needed by native speakers of Spanish.

**4404/4405 P Spanish III****10th-12th Grade**

Grad Credit: Foreign Language

College Prep: CSU/UC (e)

This course builds on the skills learned in P Spanish II. There is an emphasis on literature and written analysis.

**4408/4409 P Span Speakers III****9th-12th Grade**

Prerequisite: Placement assessment or Completion of P Spanish for Spanish Speakers II

Grad Credit: Foreign Language

College Prep: CSU/UC (e)

P Spanish for Spanish Speaker III follows P 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 SpanishLang****10th-12th Grade**

Prerequisite: AP MOU signed by Parent and Student

Weighted Grade

Grad Credit: Foreign Language

College Prep: CSU/UC (e)

AP Spanish Language is a college level course which 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 Lit****11th-12th Grade**

Prerequisite: AP MOU signed by Parent and Student

Weighted Grade

Grad Credit: Foreign Language

College Prep: CSU/UC (e)

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

## **Visual and Performing Arts**

**4500/4501 P Art I****9th-12th Grade**

Grad Credit: Fine Art

College Prep: CSU/UC (f)

This beginning art course is designed for the student who has had little or no formal art training. Students will learn the elements of art, and basic design principles. Students will be introduced to art movements in history and their influence on today’s world. They will develop basic skills in drawing, painting, and design using a wide variety of media.

**4502/4503 P Art II****10th-12th Grade**

Grad Credit: Fine Art

College Prep: CSU/UC (f)

This course is designed for the second-year art student who enjoys being creative, feels he/she has some artistic ability and wants to learn more. Art II is for those students who are interested in pursuing Art III and/or AP Studio Art, and also interested in pursuing some type of art beyond High School, or students interested in majoring in an art related field in college. This course will expand their design, drawing, painting and creative skills using various media including graphite, charcoal, and acrylic paint.

**4504/4505 P Art III**  
Grad Credit: Fine Art

**11th-12th Grade**  
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.

**4580/4581 AP Art and Design**  
Prerequisite: AP MOU signed by Parent and Student  
Grad Credit: Fine Art

**11th-12th Grade**  
Weighted Grade  
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. The course curriculum and assignments are designed to prepare students to take the advanced placement exam. Note: If there is a summer assignment it is due on the first day of school and students will be required to take the AP exam for this course in May. Students who earn a "3" or better on the AP exam may earn college credit.

**4530/4531 P Digital Photography**  
Grad Credit: Fine Art

**9th-12th Grade**  
College Prep: CSU/UC (f)

This course is designed for students who are interested in fine art photography as a means of expression. The emphasis is on approaching the world of photography through the means of artistic perception and will focus on the elements of art, principles of design and composition, as well as the history of photography. The technical aspect of this course will include the medium, equipment, techniques and terminology related to digital photography. Students will learn the manual workings of a camera; principles of design relating to both art history and current trends in the industry; storing and archiving as well as basic software for post-process image manipulation. General computer experience is necessary, but no prior knowledge of the particular software programs used in the class is required. The California State Standards for the Visual Arts serves as the foundation for the assignments in the course.

**4612/4613 P Intermediate Dig Photo**  
Prerequisite: Completion of P Digital Photography with a C or better  
Grad Credit: Fine Art

**10th-12th Grade**  
College Prep: CSU/UC (f)

Intermediate Digital Photography builds on skills learned in Digital Photography. Students will expand their knowledge of camera anatomy and photographic skills and have the opportunity to learn about multiple genres of fine art photography and how to execute their photographic intentions. Portraiture will be given a spotlight with lessons on posing, connecting with subjects, and lighting techniques. Students will focus on studio lighting techniques and equipment usage for all subject matters. Students will also be able to further develop their knowledge of symbolism and color theory and how to utilize it in their art. Editing software for post-process image manipulation will be further explored. The California State Standards for the Visual Arts serves as the foundation for the assignments in the course.

**4614/4615 P Computer Graphics**

Grad Credit: Fine Art

**9th-11th Grade**

College Prep: CSU/UC (f)

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

**4534/4535 P Computer Graphics II**

Prerequisite: Completion of P Computer Graphics I

Grad Credit: Fine Art

**10th-12th Grade**

College Prep: CSU/UC (f)

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

**5402/5403 P Animation**

Grad Credit: Fine Art

**9th-11th Grade**

College Prep: CSU/UC (f)

In this course students will explore motion graphics and cartoon animation. Projects will include traditional hand drawn animation, stop motion, 2D and 3D animation with the aid of computer software. Students will create character designs, storyboards and are expected to draw from daily life. All work will be original.

**5512/5513 P Animation II**

Prerequisite: Completion of P Animation

Grad Credit: Fine Art

**10th-12th Grade**

College Prep: CSU/UC (f)

This course is the second-year course for students wish to create advanced creative projects in a variety of animation mediums. Students will create storyboards, backgrounds, character designs, and animate independent projects using traditional animation, stop motion, and computer graphics. This course will provide students with the opportunity to function in a variety of roles within the animation production team. Students will utilize skills acquired in their first year P Animation course to solve authentic industry problems and produce a variety of professional quality animation products.

**5526/5527 P Film & Television Prod**

Grad Credit: Fine Art

**9th-11th Grade**

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.

**5528/5529 P Film & Television Prod II**

Prerequisite: Completion of P Film &amp; Television Prod

Grad Credit: Fine Art

**10th-12th Grade**

College Prep: CSU/UC (f)

This course is the second-year course for students who wish to continue creative projects in video media, video broadcasting, and news production. Students will produce, record, and edit using Adobe Editing, Special Effects, and Sound software.

**5530/5531 P Film & Television Prod III**

Prerequisite: Completion of P Film &amp; Television Prod II

Grad Credit: Fine Art

**11th-12th Grade**

College Prep: CSU/UC (f)

Film & Television Production III is an advanced, hands-on course designed for high school students passionate about storytelling through film and media. Building on foundational and intermediate skills, students will delve deeper into professional techniques, including advanced cinematography, scriptwriting, directing, editing, and sound design. Emphasis is placed on producing high-quality projects such as short films, documentaries, podcasting, promotional content and news broadcast, while mastering industry-standard tools and workflows. Students will collaborate in production teams, develop their creative portfolios, and explore career pathways in the film and television industry. This capstone course prepares students for postsecondary education and entry-level industry opportunities.

**4546/4547 P Lit & History via Film**

Grad Credit: Fine Art

**11th-12th Grade**

College Prep: CSU/UC (f)

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

**4522/4523 P Dance Prod I**

Grad Credit: Fine Art or PE

**9th & 10th-12th Grade**

College Prep: CSU/UC (f)

This first-year dance course will focus on dance as an art form and will be directed toward an essential understanding of choreography development, basic skill development within different dance genres (modern, jazz, hip-hop, ballet, etc.), work ethic, independent practice, collaboration, organizing/planning/scheduling (independent/group projects), and dance history/culture and its relationship to the other arts, to academics, to the individual, and to society. Dance offered to 9<sup>th</sup> grade students will 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. They will also receive a basic comprehensive sexual health education. In addition, 9<sup>th</sup> grade dance students will spend time preparing and taking the CA Physical Fitness State Test (PFT).

**4524/4525 P Dance Prod II**

Prerequisite: Completion of P Dance Prod I

Grad Credit: Fine Art or PE

**10th-12th Grade**

College Prep: CSU/UC (f)

This second-year dance course will build on skills and terminology that students learned in Dance Prod I. Dance Prod II focuses on further developing techniques in a variety of disciplines including jazz, Ballet, Modern, Contemporary, Hip Hop and Cultural Dance. Elements of dance composition will be explored through intermediate choreography assignments that culminate in performance. A strong emphasis is placed on skill progression 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 will be required to complete a MOU for the Winter Dance Production and the Spring Dance Showcase. Students will be involved in all aspects of a performance: tickets, sales, props, costumes, fundraising, and dance choreography.

**4592/4593 P Dance Prod III**

Prerequisite: Completion of P Dance Prod II

Grad Credit: Fine Art or PE

**11-12th Grade**

College Prep: CSU/UC (f)

This third-year dance course will build on skills and terminology that students learned in Dance Prod I and II. Dance Prod III focuses on further developing techniques in a variety of disciplines including Jazz, Ballet, Modern, Contemporary, Hip Hop and Cultural Dance. Elements of dance composition will be explored through intermediate 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 will be required to complete a MOU for the Winter Dance Production and the Spring Dance Showcase. Students will be involved in all aspects of a performance: tickets, sales, props, costumes, fundraising, and dance choreography.

**4594/4595 P Dance Prod IV****12th Grade**

Prerequisite: Completion of P Dance Prod III

Grad Credit: Fine Art or PE

College Prep: CSU/UC (f)

This fourth-year dance course continues to build on skills and terminology that students learned in Dance Prod I, II, and III. Dance Prod IV strongly focuses on enhancing and perfecting skills, knowledge, and techniques in a variety of disciplines including Jazz, Ballet, Modern, Contemporary, Hip Hop and Cultural Dance. Students will continue to explore dance composition elements through advanced choreography assignments that culminate in performance at CHS Dance productions. The history of dance and development of critical analysis will be included in the program, along with the health-based curriculum as it relates to the field of dance. Students will be required to complete a MOU for the Winter Dance Production and the Spring Dance Showcase. Students will be involved in all aspects of a performance: tickets, sales, props, costumes, fundraising, and dance choreography.

**4526/4527 P Advance Dance Prod****9th-12th Grade**

Prerequisite: Audition

Grad Credit: Fine Art or PE

College Prep: CSU/UC (f)

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

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

Grad Credit: Fine Art

College Prep: CSU/UC (f)

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

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

Prerequisite: Completion of P Theater Arts I

Grad Credit: Fine Art

College Prep: CSU/UC (f)

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

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

Prerequisite: Completion of P Theater Arts II

Grad Credit: Fine Art

College Prep: CSU/UC (f)

This course will continue to work on the foundations taught in Theater Arts I and II, but focus on performance skills. Students will strive for mastery in movement, voice, improvisation, and expanded character development. Students will be expected to be involved in writing and explore theater design, theater business, audition techniques, and understanding self to build character.

**4492/4493 P Theater Arts IV****12th Grade**

Prerequisite: Completion of P Theater Arts III

Grad Credit: Fine Art

College Prep: CSU/UC (f)

This course is the advanced studies class for emerging actors and actresses. Students will be expanding their various acting skills and working toward the mastery required to audition and perform at the high school level and above, including community theater and area college productions. Students will work closely together on classroom projects with a mix of 2 levels, experience giving and receiving constructive criticism of their work. Students will also explore the behind-the-scenes world and the history of the theater. Public performances will be required.

**5476/5477 P Stagecraft & Tech****9th-12th Grade**

Credit: Elective

College Prep CSU/UC: (f)

This course builds upon students' prior skills acquired in their Math, English, and previous theater courses and provides real world extensions and practice with these skills. The course requires reading and analyzing a variety of plays, informational sources (including reviews, blueprints, and instructional manuals.), historical cultural-context sources. Course work builds proficiency in analytical reading and writing of plays and other scripts with respect to determining a theme or central idea and analyzing how an understanding of author's purpose and audience determines the needs of a performance in all areas of theatrical construction and development. This course introduces students to the techniques and processes involved in prop construction, lighting, the setup and operation of sound systems, and the operation of projection equipment. students develop basic construction techniques for stage property and scenery and receive practice in stage crew work, offering students the opportunity to acquire skills for careers in the entertainment industry. This course may include after school work hours.

**4438/4439 P Wind Ensemble**

Grad Credit: Fine Art

**9th-12th Grade**

College Prep: CSU/UC (f)

This course is offered to band students with prior instrumental band knowledge. This course explores music designed for all instrumentation and offers music up to a higher level of performance. Students MUST participate in all band events to showcase performance and ensemble tasks. Students may also have an opportunity to audition for symphonic, jazz, county, and state honor bands. All performances and additional rehearsals are mandatory. Additional credit is available as a Team Sport for participation in marching band and winter percussion, if requirements are met by completion of the season.

**4440/4441 P Adv Jazz Ens**

Grad Credit: Fine Art

**9th-12th Grade**

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**

Grad Credit: Fine Art

**9th-12th Grade**

College Prep: CSU/UC (f)

This course welcomes all levels from beginning to advanced singers. Choir members will receive instruction in vocal techniques, basic music theory, and reading music. Singers will perform a variety of choral music to develop a well-rounded repertoire and explore choir culture. The expectation is that students participate in all choir events to showcase performance and ensemble tasks.

**4458/4459 P Beginning Piano**

Grad Credit: Fine Art

**9th-12th Grade**

College Prep: CSU/UC (f)

In this course they will learn the fundamental elements needed to play the piano. The curriculum is founded on two main components. The first is music theory, where students will learn to read musical notation, symbols, and academic vocabulary needed to apply this knowledge in the practical act of playing the piano. By learning these elements students will develop musicianship skills in the areas of rhythm and melodic dictation that can be applied to any other musical instrument. The music taught will cover multiple genres of music found throughout music history, including Pop, R&B, Blues, Alternative, as well as classical, world music, and folk music of different countries. Students will also have a chance to research and write about the music they are learning to play.

**4494/4495 P Guitar I**

Grad Credit: Fine Art

**9th-12th Grade**

College Prep: CSU/UC (f)

This course will cover fundamentals of beginning guitar, including music theory, music notation reading, and history. Guitar students will explore various techniques and music genres to enhance a well-rounded understanding of Guitar culture. Students will be expected to demonstrate performance skills on a daily basis to demonstrate their musical development and progress in the course.

**4548/4549 P Royal Color Guard**

Grad Credit: Fine Art

**9th-12th Grade**

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 competitions, reviews, and sports events. All performances and additional rehearsals are mandatory. Students MUST participate in the marching band and winter guard ensembles. Additional credit is available as a Team Sport for participation in marching band and winter guard, if requirements are met by completion of the season.

**4578/4579 P Mariachi Band**

Grad Credit: Fine Art

**9th-12th Grade**

College Prep: CSU/UC (f)

This course is designed to assist students with developing and enhancing musicianship skills through the study of music composed for mariachi ensembles. In this setting, the ability to practice and perform an instrument with considerable technical proficiency and esthetic sensitivity will be emphasized. Students will encounter a wide-range of Mexico's traditional music that may include bolero, chotis, corrido, cumbia, huapango, jarabe, ranchera, son jalisciense, and much more. Public and school performances may be applied to the course to demonstrate skill levels and cultural awareness within the community. Students are expected to play one mariachi instrument (such as Vihuela, Guitarron, Violin, Trumpet, or Guitar) and sing in Spanish.

**5406/5407 P Percussion Band**

Grad Credit: Fine Art

**9th-12th Grade**

College Prep: CSU/UC (f)

This course is a performance-oriented with an emphasis on different drums and mallet techniques. Rhythm reading, music vocabulary, and percussion performance techniques will serve as a year-long goal. Students will learn to play on a variety of mallet percussion and drum instruments. Performance music will focus on small ensemble and concert percussion works. Performances will include a winter and spring concert as well as other performances scheduled throughout the year. Attendance at outside of class rehearsals and performances is a required portion of the class. Under normal circumstances students will be concurrently enrolled in the marching percussion program to receive additional PE credit. However, individual exceptions may be made for students with schedule conflicts or other individual circumstances which may make fulfilling this requirement unfeasible for the student.

# Physical Education

## **5002/5003 Frosh PE**

**9th Grade**

Grad Credit: Physical Education

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 may participate in the following activities: basketball, football, fitness, soccer, volleyball, pickleball, floor hockey, softball, frisbee and swimming. The primary goals of this class are fitness development for the individual health and CA Physical Fitness State Test (PFT), social and skill development as well as physical activity. Skills addressed include: aquatics, individual, dual and team sports, as well as 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. They will also receive a basic comprehensive sexual health education.

## **5004/5005 PE**

**10th-12th Grade**

Grad Credit: Physical Education

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: fitness, individual and team sports, aquatics and mechanics of body movement.

## **5000/5001 Aerobics**

**10th-12th Grade**

Grad Credit: P.E.

This course is designed to improve individual student’s health and wellness levels. Students will participate in activities such as Pilates, yoga, power-walking, hand weight work-outs, etc. Other topics of study include nutrition, body composition, and other health-related issues. Skills addressed are: mechanics of the body, movement, rhythm, combative and dynamic health.

## **5007/5008 Weight Training**

**10th-12th Grade**

Grad Credit: Physical Education

This course teaches students basic principles of strength training. Students learn a variety of techniques to improve muscular strength, muscular endurance, cardio respiratory endurance, mobility, flexibility, stability and coordination. Students will participate in the following activities: weight workouts, running, plyometric, aerobic and anaerobic exercises and stretching. Skills developed are: mechanics of the body and movement, dynamic health and fitness program design.

## **5009/5010 Adv Weight Training**

**11th-12th Grade**

Prerequisite: Successful completion of Weight Training and teacher approval

Grad Credit: Physical Education

This course will build on the concepts and techniques learned in Weight Training. Topics of study will include specialized techniques in lifting, powerlifting, bodybuilding, plyometrics, and basic anatomy and physiology. An individualized strength training program will be developed for each student.

**5006 Team Sports****9th-12th Grade**

Grad Credit: Physical Education

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-11th Grade**

Grad Credit: Elective

This semester course will teach basic concepts in athletic training. Topics/skills included in this course; basic injury diagnosis, injury treatment, taping, rehabilitation, etc. Students will gain valuable knowledge and skills that will help them prepare for a career in athletic training. Careers will also be covered during this course. The careers portion shows the different career pathways a student can take. This course is paired with 5120/Drivers Education.

**5120 Dr Ed****10th-11th Grade**

Grad Credit: Elective

Drivers Education course will present the rules-of-the-road as well as the driving laws for the state of California. Students will have the opportunity to acquire the knowledge and attitudes essential to safe driving. Students, who earn a 'C' or better, will be issued a DMV 'Certificate of Completion'. The other quarter will be spent on careers and related subjects. This course is paired with 5412/Athletic Training.

## **Non - Departmental Classes**

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

Prerequisite: MOU signed by Parent and Student

Grad Credit: Elective

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

**5478/5479 P PAL (Peer Assisted Learn)****11th-12th Grade**

Prerequisite: Learning Director Approval

Grad Credit: Elective

College Prep CSU/UC: (g)

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.

**5464/5465 Post-Secondary Elective**

Prerequisite: LD approval

Grad Credit: Elective

**10th-12th Grade**

Weighted Grade

College Prep: CSU/UC

Post-Secondary Elective is a Dual Enrollment course, students will be enrolled in an online Modesto Junior College course concurrently. During the school day, students will have a period to work on their assigned Modesto Junior College course. By engaging in a college course during high school, students will have the opportunity to build collegiate academic habits and prepare for post-secondary study. Students who pass the course will earn concurrent high school credits and college units based on the Modesto Junior College course description. There is no cost to the student for the classes or the college units. College courses will be added to a student's high school transcript and count as a weighted GPA.

**4586/4587 P Yearbook Design I**

Prerequisite: Application and/or Instructor approval

Credit: Elective

**9th-12th Grade**

College Prep CSU/UC: (g)

This course is designed for members of the yearbook staff who are the leaders and decision-makers of the Ceres High School yearbook "The Cereal". In yearbook, students will learn a number of journalism skills and complete various class assignments, both in and out of the classroom, to create a high-quality yearbook that reflects the year at Ceres High School. The yearbook course requires students to take part in all aspects of producing the yearbook including: interviewing students and staff, creating and maintain a central theme, taking photographs and writing articles. Students must be willing and able to work after school hours, attend sporting events, and other school events. Admission prices will be covered by the class.

**4588/4589 P Yearbook Design II**

Prerequisite: Application and/or Instructor approval

Credit: Elective

**10th-12th Grade**

College Prep CSU/UC: (g)

This course is designed to continue lessons learned from Yearbook Design I, but in an expanded role. Yearbook Design II members will take a larger role on the yearbook staff who are the leaders and decision-makers of the Ceres High School yearbook "The Cereal". In yearbook, students will learn a number of journalism skills and complete various class assignments, both in and out of the classroom, to create a high-quality yearbook that reflects the year at Ceres High School. The yearbook course requires students to take part in all aspects of producing the yearbook including: interviewing students and staff, creating and maintain a central theme, taking photographs and writing articles. Students must be willing and able to work after school hours, attend sporting events, and other school events. Admission prices will be covered by the class.

**4606/4607 P Yearbook Design III****11th-12th Grade**

Prerequisite: Application and/or Instructor approval

Credit: Elective

College Prep CSU/UC: (g)

This course will prepare students to take on a role of Editor if they choose to advance. Students will be managers of various yearbook sections and work alongside the editors to ensure "The Echo" yearbook is completed on time and effectively. The yearbook course requires students to take part in all aspects of producing the yearbook including: interviewing students and staff, creating and maintain a central theme, taking photographs and writing articles. Students must be willing and able to work after school hours, attend sporting events, and other school events. Admission prices will be covered by the class.

**4590/4591 P Adv Yearbook Design****10th-12th Grade**

Prerequisite: Application and/or Instructor approval

Credit: Elective

College Prep CSU/UC: (g)

This course is for the students who will take on an editor role for the yearbook. Advanced Yearbook members will oversee the yearbook staff ensuring deadlines are met, staff is trained, and marketing is completed. Staff will continue their knowledge in journalism and begin branching into long form interviews, copy editing, and advanced page design, and marketing. Students will also begin digital journalism practices like video interviews, blogging, and website maintenance. This course may be taken more than once.

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

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 and anger, human development, STD's, nutrition, HIV/Aids, first aid/CPR, mental health/depression and infectious diseases. This course will also focus on the mental/ emotional, social and physical effects of drug, tobacco, and alcohol use.

**5480/5481 P ASB Leadership I****9th-12th Grade**

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

Credit: Elective

College Prep CSU/UC: (g)

P ASB Leadership I is an introductory course designed to provide interested student leaders the opportunity to identify leadership skills through the planning and execution of numerous events for the student body. Under the direction of the Activity Director, students will begin to develop the skills necessary for successful leadership and service for the school, district, and community. Students are required to facilitate the implementation of special events and community projects during and outside of school hours.

**5482/5483 P ASB Leadership II****10th-12th Grade**

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

Credit: Elective

College Prep CSU/UC: (g)

P ASB Leadership II is a transitional course designed to provide beginning student leaders the opportunity to develop their skills through the planning and execution of numerous events for the student body. Under the direction of the Activity Director, students will further develop the skills necessary for successful leadership and service for the school, district, and community. Students are required to facilitate the implementation of special events and community projects during and outside of school hours.

**5484/5485 P ASB Leadership III****11th-12th Grade**

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

Credit: Elective

College Prep CSU/UC: (g)

P ASB Leadership III is an intermediate course designed to provide emerging student leaders the opportunity to establish their skills through the planning and execution of numerous events for the student body. Under the direction of the Activity Director, students will expand the skills necessary for successful leadership and service for the school, district, and community. Students are required to facilitate the implementation of special events and community projects during and outside of school hours.

**5486/5487 P ASB Leadership IV****12th Grade**

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

Credit: Elective

College Prep CSU/UC: (g)

P ASB Leadership IV is an advanced course designed to provide existing student leaders the opportunity to utilize their skills through the planning and execution of numerous events for the student body. Under the direction of the Activity Director, students will implement the skills necessary for successful leadership and service for the school, district, and community. Students are required to facilitate the implementation of special events and community projects during and outside of school hours.

**5338/5339 P Psychology****11th-12th Grade**

Grad Credit: Elective

College Prep: CSU/UC (g)

This course explores the science of behavior and mental processes. We will look at the five major domains of psychology: biological, cognitive, developmental, social and health. Throughout the year, students will learn about themselves and others through fun and scientific labs and activities. This course will help you develop the skills needed to be successful in college, career and personal relationships; psychological science is relevant wherever you are!

**5336/5337 AP Psychology**

Prerequisite: AP MOU signed by Parent and Student

Grad Credit: Elective

**11th-12th Grade**

Weighted Grade

College Prep: CSU/UC (g)

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

# CAREER TECHNICAL PATHWAYS (CTE)

## Agricultural Mechanics (101)

**5436/5437 P Intro to Agriculture**

Grad Credit: Elective

**9th-10th Grade**

College Prep: CSU/UC (g)

This course introduces students to many aspects of agriculture. Topics of instruction include agricultural awareness and literacy, leadership and FFA, employability skills and introduction to all aspects of the total agricultural industry including California agriculture, plant and soil science, animal science, food science and agricultural mechanics. Participation in hands-on activities with plants, soil, food and animals at the school farm and/or on campus is a required part of this class and will count as a significant part of your overall 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, both of which are graded components of the course.

**5492/5493 P Intro to Ag Mechanics**

Grad Credit: Elective

**9th-10th Grade**

College Prep: CSU/UC (g)

This introductory course is designed for students to acquire the basic skills and knowledge in the areas of shop safety, tool identification, drafting, woodworking, metalwork including cold metal and welding, rope work, plumbing, electrical, concrete, and masonry, tool repair and land surveying. Each unit of instruction includes a required project that is designed to allow students to develop their skills and apply learned knowledge. 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. Students who demonstrate competency may be eligible for the Ag Align Certification for Ag Mechanics Tier 1 recognized by the state of California and industry.

**5494/5495 P Intermediate Ag Mech****10th-11th Grade**

Prerequisite: 'C' or better in Intro to Ag Mech

Grad Credit: Elective

College Prep: CSU/UC (g)

This course is a hands-on approach to welding basics and agriculture mechanics that focuses on specialized skills development in welding, fabrication, equipment operation and repair. This class will prepare students for entry level work in the welding industry. Students will complete required projects in the following areas: measurement, cold metal, woodworking, electrical, rope work, concrete and masonry, plumbing, Shield Metal Arc Weld (SMAW), Gas Metal Arc Weld (GMAW), Gas Tungsten Arc Weld (GTAW), oxy-acetylene weld and cut, and braze fundamentals. Students will also learn how to complete repairs that require more advanced welding and fabrication skills than the introductory course. 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, both of which are graded components of this course. Students who demonstrate competency may be eligible to earn welding qualifications and certification through AWS (American Welding Society). In addition, students will be eligible for the Ag Align Certification for Ag Mechanics Tier 1, Ag Mechanics Tier 2, and/or Ag Welding recognized by the state of California and industry.

**5496/5497 P Advanced Ag Mechanics****11th-12th Grade**

Prerequisite: 'C' or better in Intermediate Ag Mech

Grad Credit: Elective

College Prep: CSU/UC (g)

This course is for the development of advanced welding skills. Students learn advanced skills in Shielded Metal Arc Weld (SMAW), Gas Metal Arc Weld (GMAW), Gas Tungsten Arc Weld (GTAW), Oxyacetylene cutting and torching, Plasma cutting and operating CNC Equipment. Students will also learn how to complete repairs that require more advanced welding and fabrication skills than the intermediate course. In addition, students will develop 21st Century job-related skills by becoming self-starters and acquiring necessary materials for projects, while developing safety and fire prevention attitudes. This experience will prepare students for a job in a welding shop. 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, both of which are graded components of the course. Students who demonstrate competency may be eligible to earn welding qualifications and certification through AWS (American Welding Society).

**5522/5523 P Advanced Ag Mechanics II****12th Grade**

Prerequisite: 'C' or better in Advanced Ag Mechanics

Grad Credit: Elective

College Prep: CSU/UC (g)

This course is for the further development of advanced welding skills. Students continue learning advanced skills in Shielded Metal Arc Weld (SMAW), Gas Metal Arc Weld (GMAW), Gas Tungsten Arc Weld (GTAW), Oxyacetylene cutting and torching, Plasma cutting and operating CNC Equipment. Students will refine job-related skills by becoming self-starters and acquiring necessary materials for projects, while developing safety and fire prevention attitudes. They will be further prepared for a job in a welding shop. Due to the co-curricular nature of FFA and SAE (Supervised Agricultural Experience), students will be required to continue participation in both FFA activities and SAE, both of which are graded components of the course. Students will also need to do repairs that require welding and fabrication skills. Students are also eligible for the Ag Align Certification for Ag Mechanics Tier 1, Ag Mechanics Tier 2 and Ag Welding recognized by California and industry. Students are also eligible to earn continuing welding qualifications and certification through AWS (American Welding Society).

# Animal Science (103)



## **5436/5437 P Intro to Agriculture**

Grad Credit: Elective

**9th Grade**

College Prep: CSU/UC (g)

This course introduces students to many aspects of agriculture. Topics of instruction include agricultural awareness and literacy, leadership and FFA, employability skills and introduction to all aspects of the total agricultural industry including California agriculture, plant and soil science, animal science, food science and agricultural mechanics. Participation in hands-on activities with plants, soil, food and animals at the school farm and/or campus is a required part of this class and will count as a significant part of your overall 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, both of which are graded components of the course.

## **4222/4223 P Intro to Vet Sci**

Prerequisite: 'C' or better in P Intro to Agriculture

Grad Credit: Elective

**10th Grade**

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, nutrition, disease prevention and control, emergency procedures, radiology, common surgery procedures, 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.

## **4248/4249 P Adv Animal Science**

Prerequisite: 'C' or better in P Intro to Vet Sci

Grad Credit: Elective

**11th Grade**

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, selection, showing, feeding & nutrition, reproduction & genetics, and many other hands-on activities with real animals. Participation with live livestock animals, at the farm & in the rabbitry, is a required part of this class and will count as a significant part of your overall 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.

**4252/4253 P Adv Veterinary Science****12th Grade**

Prerequisite: 'C' or better in P Adv Animal Science

Grad Credit: Elective

College Prep: CSU/UC (g)

In this course, students will explore the field of veterinary medicine. Students will study the role of a veterinarian and veterinary technician in the diagnosis and treatment of animal diseases. Topics to be discussed include: veterinary terminology, breed identification, tool identification, anatomy and physiology, pathology, genetics, handling and restraint, administration of medications, and physical examinations along with common surgical skills. In addition, students will study the ethics and ethical treatment of public animals, public views of animal handling, and treatment and rights of public animals. Participation with live livestock animals is a required part of this class and will count as a significant part of your overall 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.

**5424/5425 Ag Leadership****9th Grade**

Grad Credit: Elective

**5438/5439 P Ag Leadership****10th-12th Grade**

Grad Credit: Elective

College Prep: CSU/UC (g)

This course which is offered during zero period is designed to promote and develop leadership in the Agriculture Industry. The Ag Leadership is a project-based course that helps students acquire a broad understanding of a variety of leadership aspects, develop an awareness of the many career opportunities in agriculture, participate in agriculturally relevant experiences, and work cooperatively with a group to develop and expand leadership abilities. Students study agriculture issues, legislative topics, agriculture careers, agriculture technologies, oral and written communication and public speaking. 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.

**5498/54599 P Ag Leadership II****11th-12th Grade**

Grad Credit: Elective

College Prep: CSU/UC (g)

This course which is offered during zero period is a transitional course 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 exploratory 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 investigate the skills needed to 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.

**5500/5501 P Ag Leadership III**

Grad Credit: Elective

**12th Grade**

College Prep: CSU/UC (g)

This course which is offered during zero period is designed to further engage students in experiential activities to develop their personal development and premier leadership skills. In Ag Leadership III students will further develop an understanding of a variety of leadership aspects, develop an awareness of the many career opportunities in agriculture, participate in agriculturally relevant experiences, and work cooperatively with a group to develop and expand leadership abilities. The curriculum consists of integrated performance activities that will assist in the continued development of critical thinking, extemporaneous speaking, conflict resolution, consensus-building and group communication abilities. Written and oral skill development will be emphasized through individual and collaborative projects as well as character development through service-learning exercises. 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.

**5502/5503 P Ag Leadership IV (grandfathered 25/26)**

Grad Credit: Elective

**12th Grade**

College Prep: CSU/UC (g)

This course which is offered during zero period is designed to give existing leaders the opportunity to further utilize their established leadership skills and engage students in experiential activities which further their personal development and premier their leadership skills. Students will further utilize their established leadership skills in goal setting, time management, organization, communication, school and community service, interpersonal relationships, problem solving, team building, evaluation, and reflection. They will use reading and writing to keep their understanding of different leadership styles up-to-date and further refine effective techniques for presenting their ideas to others. 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.

## **Ornamental Horticulture (105)**

**5436/5437 P Intro to Agriculture**

Grad Credit: Elective

**9th Grade**

College Prep: CSU/UC (g)

This course introduces students to many aspects of agriculture. Topics of instruction include agricultural awareness and literacy, leadership and FFA, employability skills and introduction to all aspects of the total agricultural industry including California agriculture, plant and soil science, animal science, food science and agricultural mechanics. Participation in hands-on activities with plants, soil, food and animals at the school farm and/or campus is a required part of this class and will count as a significant part of your overall 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, both of which are graded components of the course.

**5466/5467 P Intro to Floriculture****10th-11th Grade**

Prerequisite: 'C' or better in P Intro to Agriculture

Grad Credit: Elective

College Prep: CSU/UC (f)

This is the second course in the pathway, but still a CTE introductory course. This is designed for students who are interested in the art of floral design. This course covers the basic principles and techniques involved in designing and creating floral arrangements, including flower identification, flower care and processing, basic flower arranging, corsage construction, balloon design, and houseplant care. Students will learn and apply concepts such as color theory, design principles, flower and foliage selection, and basic arrangement styles to complete seasonal projects with fresh flowers as well as dry materials. They will also learn about the different tools and equipment used in floral arrangement and how to use them safely and effectively. 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.

**5468/5469 P Ag Adv Floriculture****11th-12th Grade**

Prerequisite: 'C' or better in P Intro to Floriculture

Grad Credit: Elective

College Prep: CSU/UC (f)

In this course, students will explore advanced elements and principles of visual art design to prepare them for a career path in floral design. Topics such as line, shape/form, color, balance will provide a foundation for creating a series of floral-based projects to explore the connections, relations, and application to visual arts design. Students will research and study floral trends to understand and develop an appreciation for floral design within historical and cultural, formal and casual, ceremonial and traditional, including an understanding that floral designs are affected by society, culture, history, politics, and economic influence. 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.

## Design, Visual & Media Arts (111)

**4614/4615 P Computer Graphics I****9th-11th Grade**

Grad Credit: Elective

College Prep: CSU/UC (f)

In this course students will express their original creativity visually and develop and 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 and principles of design; mechanical and computer design methods; printmaking; finishing of graphic products; and historical and cultural development of graphics and the printing industry. The course will give the students confidence in organizing ideas, creating meaning in their original work, and the ability to work ideas into new and useful creations. The five components in the California State and Performing Arts Framework as well as Common Core Literacy Standards are integrated into the curriculum.

**4534/4535 P Computer Graphics II****10th-12th Grade**

Prerequisite: 'C' or better in P Computer Graphics I

Grad Credit: Fine Art

College Prep: CSU/UC (f)

In this course students will explore the 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.

**5402/5403 P Animation****9th-11th Grade**

Grad Credit: Fine Art

College Prep: CSU/UC (f)

In this course students will learn a broad variety of skills in motion graphics and cartoon animation, including traditional hand drawing, 2D flash, 3d modeling and how these venues and various software all work together while building core vocabulary and understanding of the history of animation and the various forms and purposes in which it is used. Students will create character designs, storyboards and are expected to draw from daily life. In this course, students will also develop creative and original motion artwork that will be compiled in physical and digital portfolios and provide them opportunities to develop critiquing and self-reflection skills.

**5512/5513 P Animation II****10th-12th Grade**

Prerequisite: 'C' or better in P Animation

Grad Credit: Fine Art

College Prep: CSU/UC (f)

This course is for students who wish to create advanced creative projects in a variety of animation mediums. Students will create storyboards, backgrounds, character designs, and animate independent projects using traditional animation, stop motion, and computer graphics. This course will provide students with the opportunity to function in a variety of roles within the animation production team. Students will utilize skills acquired in their introductory animation course to solve authentic industry problems and produce a variety of professional quality animation products. Upon completion of this course, students will have an animation reel (a portfolio of their animated work) demonstrating their comprehension of the principles of animation and expressing their own artistic voice.

## **Production and Managerial Arts (113)**

**5526/5527 P Film & Television Prod****9th-10th 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.

**5528/5529 P Film & Television Prod II****10th-11th Grade**

Prerequisite: 'C' or better in P Film &amp; Television Prod

Grad Credit: Fine Art

College Prep: CSU/UC (f)

Advanced Video Production is a second-level course that will serve as an extension in video/film/audio production. The goal of the course is for the student to extend their ability to capture great video images and audio, and to be able to edit those two elements together to tell a story. During the course each student will be taught: Operating professional level video cameras and mics. Extended principles of how to capture great video and audio. Advanced editing video and audio. How to tell a story by combining video and audio.

**5530/5531 P Film & Television Prod III****11th-12th Grade**

Prerequisite: Completion of P Film &amp; Television Prod II

Grad Credit: Fine Art

College Prep: CSU/UC (f)

Film & Television Production III is an advanced, hands-on course designed for high school students passionate about storytelling through film and media. Building on foundational and intermediate skills, students will delve deeper into professional techniques, including advanced cinematography, scriptwriting, directing, editing, and sound design. Emphasis is placed on producing high-quality projects such as short films, documentaries, podcasting, promotional content and news broadcast, while mastering industry-standard tools and workflows. Students will collaborate in production teams, develop their creative portfolios, and explore career pathways in the film and television industry. This capstone course prepares students for postsecondary education and entry-level industry opportunities.

## **Residential and Commercial Construction (123)**

**5536/5537 P Intro Construct. Careers****10th-11th Grade**

Grad Credit: Elective

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

This course provides a student the experience to develop career readiness practices through career exploration in the context of project-based learning. All knowledge and skills are based on career cluster and pathway standards to promote college and career readiness. Twenty Construction Trade Areas (CTA) including Blueprint Reading, Cabinetmaking, Communications, Concrete, Drywall, Electrical, Estimation, Finish Carpentry, Green Construction, Hand Tools, HVAC, Masonry, Painting, Plumbing, Power Tools, Roof Framing, Surveying, Tile Setting, Wall Framing, and Weatherization. Students will: work productively in small teams of 2, use technology to enhance productivity, plan education and career paths, utilize critical thinking, define problems and persevere in solving them, demonstrate creativity and innovation, employ valid and reliable research methods, and apply appropriate academic & technical skills. Every unit requires that students submit evidence of learning for each project, complete multiple objective assessments, and present solutions to the class as proof of knowledge and skill attainment. Within each unit students will read for understanding and information, use applied math skills, and write every day. Applications of science principles will be reinforced through applicable units.

### **5538/5539 P Adv Electrical Sys/Contr**

**11<sup>th</sup>- 12th Grade**

Prerequisite: Nothing for 25/26

Grad Credit: Elective

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

This two-period course is an advanced training course which enhances your problem-solving abilities for students seeking employment or knowledge in the electrical industry. Local Partnership with Access Electrical allows for Industry training and experience for a career directly after graduation. Students will be transported to Access Electrical for training. The course is designed to train students in advanced commercial & industrial wiring, troubleshooting electric motors, circuit protection, industrial maintenance and troubleshooting, and Programmable Logic controls and applications.

## **Product Innovation and Design (216)**



### **4582/4583 P Prod Innovation & Design**

**9th Grade**

Prerequisite: Selection through application process

Grad Credit: Elective

College Prep: CSU/UC (g)

The first of four academy courses, this course introduces students to the foundational skills they will use throughout their MPGT Academy career. These skills include team building, safety, campus recycling, 3D printing, basic engineering, basic electronics, “shark tank” entrepreneurship, and renewable energy. It is designed as an interactive approach to applied science, technology, engineering and math. Over the course of the year, students will go through the cycle of designing, building, testing, revision, and presenting completed products that meet required criteria to stakeholders.

### **4584/4585 P Prod Innovation Design II**

**10th Grade**

Prerequisite: ‘C’ or better in P Prod Innovation & Design or Program Approval

Grad Credit: Elective

College Prep: CSU/UC (d)

The second in a series of four Career and Technical Education courses in the Manufacturing, Production, and Green Technology Academy, this beginning drafting course introduces students to the basics of computer design and rapid prototyping. Students will become familiar with CAD drafting software that will assist them in creating various drawings that are used in the industry. They will 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. These projects encourage teamwork, leadership and problem solving in addition to applying the Science and Engineering Principles learned from their NGSS aligned science courses. In the second semester, students will increase their understanding of Physical Science, Computer Science, and Engineering concepts to learn about AC/DC electrical circuit basics, pneumatics, CNC machines, small power tools, electrical control, and robotics programming for future manufacturing. Students will apply their scientific knowledge and engineering skills to research, design, and build a working prototype of an automated can crusher.

**4596/4597 P Prod Innovation Des. III****11th Grade**

Prerequisite: 'C' or better in P Prod Innovation Design II or Program Approval

Grad Credit: Elective

College Prep: CSU/UC (d)

The third in a series of four Career and Technical Education courses in the Manufacturing, Production, and Green Technology Academy, this class is 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 scientific methods to the engineering process involving electronics. Students will then research, design, and build a working solar powered boat or program microprocessors as a culminating project for the year.

**5504/5505 P Prod Innovation Des IV****12th Grade**

Prerequisite: 'C' or better in P Prod Innovation Des III or Program Approval

Grad Credit: Elective

College Prep: CSU/UC (d)

The fourth of four academy courses, this class serves as a capstone to the academy experience. 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.

## **Public Safety (232)**

**5446/5447 P Criminal Justice****10th-11th Grade**

Prerequisite: Learning Director Approval

Grad Credit: Elective

College Prep: CSU/UC (g)

This course is designed to provide students with the necessary skills and content knowledge in the field of law enforcement. Students will become acquainted with the entire criminal justice system and numerous career opportunities (i.e. the court system, probation, corrections, patrol, investigations, and juvenile justice). Students will understand the principles on which the United States was founded; the structure of government at the local, state, and federal level; the individual and civil liberties needed to maintain a democratic society; and the way in which order is maintained through law enforcement and the judiciary system. Topics could include the history and role of the agency, laboratory and scientific evidence, processing evidence, establishing hypotheses and drawing conclusions.

**5448/5449 P Adv. Police Procedures****11th-12th Grade**

Prerequisite: Learning Director Approval and/or 'C' or better in both semesters of P Criminal Justice

Grad Credit: Elective

College Prep: CSU/UC (g)

This advanced course is designed to prepare individuals for specific careers or jobs in Public Safety such as law enforcement, homeland security, and corrections. Content of this course contains essential knowledge and skill development for these specific careers. Students will learn about the specific organizational structure of the oversight agency, laws, regulations and policy for specific agencies, state laws and guidelines for career entry as well as certification hours, skill proficiency and employment requirement for the specific career in Public Safety. Students develop the skills both academically and physically to meet the demands of the specific career, the understanding of the importance of having a clean background check and the understanding of ethics, morals and service to the community. Students will have the opportunity to participate in workplace learning, prepare for postsecondary options and qualify to take examinations and certification as set forth by California State regulation and agency requirements of age, skill and knowledge. Guest speakers from different agencies (Ceres Police Department, Stanislaus County Probation Department, California Department of Corrections and Rehabilitation, and Stanislaus County Sheriff) will be invited so students become familiar with the roles of the agencies and officers in the community.

# SPECIAL EDUCATION

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

## **Resource 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 – Mild/Moderate:**

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 – Moderate/Severe:**

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**

Grade Credit: Elective

This course is designed so students receive help with assignments, review materials, and study for tests in their general education classes. The students also receive help with organization and time management skills in order to meet Individualized Educational Plan (IEP) goals.

## **4160/4161 Int. Math I A**

**9th-12th Grade**

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**

**10th-12th Grade**

Grade Credit: Semester 2 of Int Mathematics I

This course focuses on the second semester content standards and math practices taught in the P Int. Mathematics I course over the period of one school year.

## **5344/5345 Consumer Math Ess**

**12th Grade**

Grade Credit: Math

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

**4000/4001 Eng I Ess****9th-10th Grade**

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 are taught as a process. Grammar, punctuation, and vocabulary are taught throughout.

**4002/4003 Eng II Ess****11th-12th Grade**

Grade Credit: English

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

**4306/4307 World Hist Ess****10th-11th Grade**

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.

**4208/4209 Life Sci Ess****9th-12th Grade**

Grade Credit: Life Science

This course is a survey approach to the study of biology, with laboratory activities incorporated to enhance the text and lecture materials.

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

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.

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

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.

