



# PIONEER VALLEY HIGH SCHOOL COURSE CATALOG 2026—2027





Pioneer Valley High School  
Courses Catalog  
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All educational programs and activities under the jurisdiction of the State Board of Education shall be available to all qualified persons without regard to perceived ancestry, age, color, disability, gender, gender identity, gender expression, nationality, race or ethnicity, religion, sex, sexual orientation, or association with a person or a group with one or more of these actual or perceived characteristics, pursuant to the California Code of Regulations.

*(California Education Code (EC) sections (§§) 200, 220, 221.5, 234.1, and 260; California Government Code (GC) section (§) 11135; California Penal Code (PC) section 422.55; California Code of Regulations, title 5, (5 CCR) sections 4900, 4902, and 4960)*

## AGRICULTURE

### **Advanced Agriculture Mechanics AG6680 Fall / AG6384 (Spring AHC AG155)**

**GRADE LEVEL:** 10 - 12

**PREREQUISITE:** Agriculture Mechanics A & B

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Capstone**

Expands on the basic skills learned in Ag Mechanics. Students will begin plan-reading, creating a bill of material, and cut lists. A continuation of welding skills, out of position welds and new welding rods are introduced. Fabrication is a major component, as well as job training.

### **Advanced Communication and Leadership in Agriculture AG6302 / AG6303**

**GRADE LEVEL:** 10-12

**PREREQUISITE:** Ag Leadership (teacher approval only) **(Concentrator)**

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Capstone**

Expands on Ag leadership and Communication.

### **Advanced Floral Design AG6104 / AG6105**

**GRADE LEVEL:** 10 - 12 (second year)

**PREREQUISITE:** Floral Design

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE **Capstone**

Students will be mastering and expanding on the basic skills learned in Floral Design. Students will pursue a deeper understanding and application of principles of Floral Design. Students will also participate in FFA activities and maintain an SAE. This is a full year course.

### **Agriculture Business Communications AG6740 Fall / AG5001 (Spring AHC AG150)**

**GRADE LEVEL:** 10-11

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Concentrator**

Project based course designed to promote and develop leadership capabilities in the agriculture industry. Through the planning and execution of numerous events for the school's FFA chapter, students will discover how to best effect change in their communities. FFA participation and SAE (Supervised Agriculture Experience) will be part of the grade for this course.

### **Agriculture Chemistry (P) AG6100 / AG6101**

**GRADE LEVEL:** 10 - 12

**PREREQUISITE:** Ag Biology **(Concentrator)**

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Capstone**

A laboratory course for students with a career interest in agriculture. Students will be involved in hands-on labs and receive an in-depth look at concepts in the following areas: chemistry and its relationship to agriculture, matter and energy, the periodic table, bonding, chemical reactions, climate change, and ocean acidification.

### **Agriculture Government AG4004 Fall / AG5158 (Spring AHC AG158)**

**GRADE LEVEL:** 12 **Ag Business students have priority** (12<sup>th</sup> gr. Gov graduation requirement)

**PREREQUISITE:** Ag Business (course to be taken with Ag Econ)

**REQUIREMENTS FULFILLED:**  AHC  A-G (A)  AP  CTE **Capstone**

Students pursue a deeper understanding of the institutions of American government in addition to the underlying economic principles that shape policies throughout the agriculture industry. In-depth study of the system of government in the world today.

### **Agriculture Leadership and Communications AG6292 Fall / AG5173 (Spring AHC AG157)**

**GRADE LEVEL:** 9 - 12

**PREREQUISITE:** Teacher approval

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Concentrator**

Designed to allow the student to develop and practice leadership skills by directing the work of the FFA Chapter. Activities include developing a program of work, running meetings, and coordinating school and community activities, team building, parliamentary procedure, public speaking, and volunteerism.

**Agriculture Mechanics AG6282 Fall / AG6283**

**GRADE LEVEL:** 9 - 11

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Concentrator**

Designed to provide students with experience in the safe operation of power tools, planning projects, oxyacetylene, and arc and MIG welding. Includes a survey in rope work, woodworking, concrete, brick, block, cold metal, plumbing, surveying and electricity. Hands-on activities and safety are emphasized.

**Agriscience & Physics AG6200 / AG6201**

**GRADE LEVEL:** 9 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (D)  AP  CTE

This course gives students a foundation in physics with related earth science and agriculture phenomena in addition to the Science and Engineering Practices. The following units will be covered, Motion, Force, Gravity, Waves, Light Waves, Electricity & Magnetism, Energy & Renewable Energy, and Nuclear Physics and the Earth. Students will participate in leadership activities, public speaking, and have the opportunity to be a part of the FFA.

**Animal Science 1 AG6278 Fall /AG6400 (Spring AHC AG152)**

**GRADE LEVEL:** 10 - 11

**PREREQUISITE:** Previous Ag Science class or Teacher's approval

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Concentrator**

Focuses on the principles in Animal Science: livestock production; anatomy; physiology; reproduction; nutrition; respiration; genetics; breed identification, range management, and environmental issues. Prepares students who plan on majoring in Agriculture. Includes working with livestock.

**Biology & Sustainable AG AG6298 / AG6299**

**GRADE LEVEL:** 10 - 12

**PREREQUISITE:** Ag Science 1 or teacher's approval

**REQUIREMENTS FULFILLED:**  AHC  A-G (D)  AP  CTE **Concentrator**

Emphasizes the inter-relationships of the following: molecular and cellular aspects of life; the growth/reproduction of plants and domestic livestock; plant and animal genetics; taxonomy; animal behavior; ecological relationships; nutrition/health/diseases; and similarities between animals and humans. Extensive laboratory component, FFA Leadership, written and oral reporting.

**Fitting and Showing AG6275**

**GRADE LEVEL:** 9-12

**PREREQUISITE:** **Must be raising an animal and showing at fair**

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE

Hands-on skills in the raising and showing of livestock, flowers and vegetables, landscape projects, and mechanics projects. Includes business and health recordkeeping. The final is showing held at the Santa Barbara County Fair.

**Floral Design AG6102 / AG6103**

**GRADE LEVEL:** 9 - 12 (First year)

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE

This course will introduce students to career possibilities and provide background knowledge to be successful in the floral industry. Topics of study will include principles and elements of design, art and history, careers, selection and storage of plant materials, construction of corsages, arrangements, holiday and wedding arrangements, drying flowers, pricing and marketing and customer service. Students will also participate in FFA activities and maintain an SAE. This is a full year course.

**Ornamental Horticulture AG7050 / AG7051**

**GRADE LEVEL:** 9 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE **Concentrator**

Topics covered include corsage construction, flower arranging, plant systems, plant identification, plant propagation, production, pest management, nutrition, and safety. Introduction to greenhouse management, nursery management, horticulture and landscaping.

**Veterinary Science AG6296 / AG6297**

**GRADE LEVEL:** 11 - 12

**PREREQUISITE:** Animal Science

**REQUIREMENTS FULFILLED:**  AHC  A-G (D)  AP  CTE **Capstone**

Students will learn large and small animal identification and tools used in the industry, anatomy and physiology, animal health and disease, animal behavior, and client communication to prepare for employment in Veterinary careers. The class focuses are academic, technical skills, and employability practices.

**Agriculture CTE Pathways**

<b>Concentrator</b>	<b>Capstone</b>	<b>Pathway</b>
Ag Leadership/AHC Ag157	Adv. Ag Leadership	Ag Business
Ag Mechanics	Adv. Ag Mechanics/AHC AG155	Ag Mechanics
Ag Biology	Ag Chemistry	Agriscience
Animal Science/AHC Ag152	Vet Science	Animal Science
Ag Business Comm/AHC Ag150	Ag Government/AHC Ag158 Econ	Ag Business
Floral Design	Adv. Floral Design	Ornamental Horticulture

**Allan Hancock College Concurrent Enrollment - Agriculture Courses**

**AG 152 - Intro to Animal Science AG6400 Spring / AG6278 Fall**

**GRADE LEVEL:** 10 - 11

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE **Concentrator**

A scientific approach to the livestock industry encompassing aspects of animal anatomy, physiology, nutrition, genetics and epidemiology. Emphasis on the origin, characteristics, adaptations and contributions of livestock to the modern agriculture industry.

**AG 150 - Introduction to Agribusiness AG5001 Spring / AG6740 Fall**

**GRADE LEVEL:** 10 - 12

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE **Concentrator**

Provides a basic understanding of the business and economics of the agricultural industry; an introduction to the economic aspects of agriculture and their implications to the agricultural producer, consumer and the food system; management principles encountered in the day-to-day operation of an agricultural enterprise as they relate to the decision-making process.

**AG 154 - Introduction to Fruit Science AG5000 Fall / AG5072 Spring**

**GRADE LEVEL:** 10 - 12

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE

The botany, taxonomy, and development of major fruit, vine, and nut crops in California including variety selection, production practices including site selection establishment, fertilization, pollination, irrigation, harvest, storage, processing, marketing, pest management, and pruning.

## Allan Hancock College Concurrent Enrollment – Agriculture Courses (continued)

### **AG 155 – Introduction to Mechanized Agriculture AG6384 Spring / AG6680 Fall**

**GRADE LEVEL:** 10 - 12

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE **Capstone**

Basic mechanical skills in woodworking, cold metal, electricity, plumbing, concrete, and project construction skills related to farm maintenance and repair. Development of hand and power tool skills as well as emphasis on safety practices for all mechanical areas. Shop safety. Laboratory required.

### **AG 156 – Intro to Environmental Horticulture AG5072 Fall / AG5000 Spring**

**GRADE LEVEL:** 10 - 12

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE

General course in environmental horticulture with emphasis on nursery operations, landscaping, turf management, and floral industries.

### **AG 157 – Ag Sales, Comm & Leadership AG5173 Spring / AG6292 Fall**

**GRADE LEVEL:** 9 - 11

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE **Concentrator**

The study of principles and practices of the selling process. Self-management, communication, and interpersonal skills necessary in developing managerial abilities, leadership qualities, and facilitating teamwork within the agribusiness sector will be explored. This course is organized to give students an in-depth understanding of the factors and influences that affect the agribusiness industry on a day-to-day business.

### **AG 158 – Ag Econ AG5158 Spring / AG4004 Fall**

**GRADE LEVEL:** 12

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Capstone**

The place of agriculture and farming in the economic system; basic economic concepts and problems of agriculture; pricing and marketing problems, factors of production; and state and federal farm programs affecting the farmer's economic position.

## MARK RICHARDSON CTE AG CENTER

### General

All pathways taught at the SMJUHSD Mark Richardson Career Technical Center and Agricultural Farm (The Richardson Center) are structured as two period yearlong classes. Classes are open to all students with Seniors receiving priority. For 2025-2026 classes are grouped as: 1-2, 3-4 & 5-6. Students are CTE Completers upon completion of the one-year pathway if they pass with a C- or higher. Courses, as all pathway courses, must be taken in sequence per CDE rules. All six pathways are connected to postsecondary attainment and options.

### There are six Pathways offered

Agricultural Farm*	Culinary*	Diesel*
Construction**	Cyber Security*	Metal Design & Fabrication*

\*Concurrent w/AHC, CSU Transferrable, Receives a Grade Bump

\*\*A-G Pre-Apprenticeship

### Agricultural Farm Pathway(Concurrent/Grade Bump/CSU Transferable)

This pathway consists of three AHC courses: AHC AG 153 Introduction to Sustainable Agriculture, AHC AG 190/191 Agriculture Production Enterprise (Fall-Winter/Spring). This pathway provides an opportunity to help run the Mark Richardson Center Student Farm. Students will gain the ability to design and implement basic farming techniques that can be used on either a small or medium-size farm during Fall-Winter and then Spring-Summer crop seasons. Students will develop fundamental management, business, cultivation, and harvesting techniques throughout this course. At the end of the course, students can apply the necessary skills learned to start their own small-scale farm or apply them in the local agriculture industry. Produce safety will also be addressed. Outdoor labor is required.

**Certifications:** OSHA 10 Safety, iCEV, MRC Forklift

### AHC AG 153 Introduction to Sustainable Agriculture (AG5153) Fall

GRADE LEVEL: 9 – 12

REQUIREMENTS FULFILLED:  AHC  A-G  AP  CTE Concentrator

### AHC AG 190 Agriculture Production Enterprise (AG7010) Fall-Winter

GRADE LEVEL: 9 – 12

REQUIREMENTS FULFILLED:  AHC  A-G  AP  CTE Concentrator

### AHC AG 191 Agriculture Production Enterprise, Spring (AG7020) Spring

GRADE LEVEL: 9 – 12

REQUIREMENTS FULFILLED:  AHC  A-G  AP  CTE Capstone

### Construction Pre-Apprenticeship Pathway

This pathway is a pre-apprenticeship with the Carpenters Union. This pathway prepares students for entry level employment within the construction field via a general contractor, or trade union (e.g. electrician, carpenter, plumbing etc.) or to continue in the Construction Technology Program at Cuesta College or Construction Management Program at Cal Poly. Skills studied include framing, electrical, plumbing, weatherization, blueprint reading, drywall, tile setting, roofing, heavy equipment operation and more.

**Certifications:** OSHA 10 Safety, Forklift, Carpenters Union Certifications

### Construction I (ND7040) Fall

GRADE LEVEL: 9 – 12

REQUIREMENTS FULFILLED:  AHC  A-G  AP  CTE Concentrator

### Construction II (ND7041) Spring

GRADE LEVEL: 9 – 12

REQUIREMENTS FULFILLED:  AHC  A-G  AP  CTE Capstone

**Culinary Pathway** *(Concurrent/Grade Bump/CSU Transferrable)*

This pathway consists of three AHC courses and prepares students for further study in Culinary at AHC or a university. In this program students apply culinary techniques, food science technology and nutritional science principles to the production of quality food. Entry-level positions may include food preparation, line cook, entry level food and beverage service positions. Through further study, skills are transformed into careers such as corporate executive chefs, directors for food research and development, flavorists, food scientist/technologists, menu development professionals, product assurance and development.

**Certifications:** Food Handler's, SafeServ

**AHC CA124 Sanitation, Safety & Equipment (HE7124) Fall**

GRADE LEVEL: 9 - 12

REQUIREMENTS FULFILLED:  AHC  A-G  AP  CTE Concentrator

**Principles of Food 1 (HE7117) Fall**

GRADE LEVEL: 9 - 12

REQUIREMENTS FULFILLED:  AHC  A-G  AP  CTE Concentrator

**AHC CA121 Baking & Pastry (HE7121) Spring**

GRADE LEVEL: 9 - 12

REQUIREMENTS FULFILLED:  AHC  A-G  AP  CTE Capstone

**AHC CA120 Principles of Foods 1 (HE 7120) Spring**

GRADE LEVEL: 9 - 12

REQUIREMENTS FULFILLED:  AHC  A-G  AP  CTE Concentrator

**Cyber Security Pathway** *(Concurrent/Grade Bump/CSU Transferrable)*

This pathway consists of three AHC courses and is designed to provide students with knowledge and lab experience of current and emerging computer networking technology. Focus will be on LANs, WANs, OSI models, IP addressing, cabling, CompTIA, and network standards; the theory behind the various kinds of network architectures and data transmission methods, and the use of decision-making and problem-solving techniques in applying science, mathematics, and communication concepts to solve networking problems. Instruction and training are provided in the proper care, maintenance, and use of networking software, tools, and equipment. Emphasis will be placed on the Cisco System Certification.

**Certifications:** COMPTIA, CISCO

**PC Preventative Maintenance & Upgrading (ND7103) Fall**

GRADE LEVEL: 11 - 12

REQUIREMENTS FULFILLED:  AHC  A-G  AP  CTE Concentrator

**AHC EL106 Networking Essentials I (ND7106) Fall**

GRADE LEVEL: 11 - 12

REQUIREMENTS FULFILLED:  AHC  A-G  AP  CTE Concentrator

**AHC EL105 PC Preventative Maintenance (ND7105) Spring**

GRADE LEVEL: 9 - 12

REQUIREMENTS FULFILLED:  AHC  A-G  AP  CTE Concentrator

**AHC EL107 Networking Essentials II (ND7107) Spring**

GRADE LEVEL: 11 - 12

REQUIREMENTS FULFILLED:  AHC  A-G  AP  CTE Capstone

**Diesel Mechanics Pathway** (Concurrent/Grade Bump/CSU Transferrable)

This pathway consists of two AHC courses and is designed to prepare students for a variety of entry-level positions involving medium/heavy duty diesel repair. These positions may include work on over the road trucks, tractors, construction equipment and more generally in the diesel sales, repair, and support industry. Learned skills include the ability to diagnose and repair diesel engines. Local partners include Quinn CAT, John Deere and Santa Maria Truck Center (Freightliner/Mercedes).

**Certifications:** SP2 Safety, Automotive HVAC, ASE Student Certs, Get Ahead - Freightliner

**AHC AT 100 Automotive Fundamentals (IT7020) Fall**

**GRADE LEVEL:** 9 - 12

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE Concentrator

**AHC AT 303 Automotive Electricity (IT7021) Spring**

**GRADE LEVEL:** 9 - 12

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE Capstone

**Engineering & Industrial Design Pathway** (Concurrent/Grade Bump/CSU Transferrable)

This pathway consists of two AHC courses and is designed to prepare students for variety of entry level positions in a manufacturing environment. Positions may include manual machine operator, computer numerical control (CNC) operator, computer aided drafting and manufacturing (CAD/CAM) designer, manufacturing generalist or programmer.

Learned skills may include the ability to operate conventional and computer numerical controlled (CNC) machinery, program CNC machinery, operate various CAD/CAM systems and interpret blueprints, material handling and quality control.

**Certifications:** OSHA 10 Safety, HAAS Machine Operator Certification, SolidWorks

**AHC MT113 SolidWorks (IT5000) Fall**

**GRADE LEVEL:** 11 - 12

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE Concentrator

**AHC MT109 Survey of Machining and Manufacturing (IT7109) Spring**

**GRADE LEVEL:** 9 - 12

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE Capstone

**MRC CTE Pathways**

Concentrator	Capstone	Pathway
AHC AT100 Automotive Fundamentals	AHC AT303 Automotive Electricity	Systems Diagnostics, Service & Repair
AHC AG153 Intro to Sustainable Agriculture AHC AG190 Agriculture Production - <i>Fall-Winter</i>	AHC AG191 Agriculture Production - Spring	Plant & Soil
Principals of Food 1 AHC CA120 Principles of Foods 1 AHC CA124 Sanitation, Safety & Equipment	AHC CA121 Basics of Baking & Pastry	Food Service & Hospitality
Construction I	Construction II	Residential & Commercial Construction
AHC MT113 SolidWorks	AHC MT109 Survey of Machining	Machining & Forming Technologies
PC Preventative Maintenance & Upgrading AHC EL105 PC Preventative Maintenance AHC EL106 Networking Essentials I	AHC EL107 Networking Essentials II	Networking

## BUSINESS & TECHNOLOGY

### **Accounting & Finance BU7035 / BU7036**

**NOT OFFERED 2026-27**

**GRADE LEVEL:** 10 – 11

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Concentrator**

Understand business financial statements, records and accounting skills. Learn to keep a variety of financial records using spreadsheet software. Prepare purchase journals, financial records, payroll, and income statements. Apply technology to common business tasks in accounting, finance and personal investments. Interpret business transactions in the accounting cycle using ledger and accounting software. *YouScience certification upon successful completion of course exam.*

### **Computer Applications 1 BU6039 / BU6040**

**GRADE LEVEL:** 9 – 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Concentrator**

Students will learn and create a variety of documents using various applications and programs such as Microsoft Word, Internet Explorer, Outlook, PowerPoint, Excel, Access & Publisher while developing computer skills. Students will use a variety of programs and applications and learn to integrate multiple technological applications.

### **Communication Technology BU7060 / BU7061**

**GRADE LEVEL:** 11 – 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Capstone**

This course is designed for junior and senior level students to provide them with technological knowledge and essential communication skills to prepare them for continuing education and employment. Students will enhance their use of essential computer applications and build on their business communication skills to develop professional workplace abilities that include creating a variety of workplace documents, spreadsheets, presentations, and databases. Organizational, analytical, and technical skills will be developed as they learn advanced Microsoft Office formatting techniques with Word, PowerPoint, Excel and Access. Students are assigned a variety of independent, project-based coursework to demonstrate their skills. *YouScience certification upon successful completion of course exam.* **AHC Articulation: CBIS 301**

### **Game Design & Development BU6002 / BU6003**

**GRADE LEVEL:** 9 - 11

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Concentrator**

Learn a variety of technical skills and design principles to use while developing electronic computer games. Utilize a variety of software platforms and websites (Scratch, Code.org, Clickteam Fusion, and Blender) to create games. Explore the fundamentals and history of gaming, the computer science principles of how computers and the internet work, game/app design and structure, and experiment with programming. *YouScience certification upon successful completion of course exam.*

### **Business Operations (Student Store) BU#### / BU####**

**GRADE LEVEL:** 9 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Concentrator**

Offers students a comprehensive, hands-on experience in operating a functional retail business within the school environment. Learn the fundamentals of entrepreneurship, planning, financial management, and marketing with practical applications in the Panther Den student store. *(UC approved to fulfill "g" elective credits)*

**Personal Finance BU3003/BU3004**

**GRADE LEVEL:** 11 – 12

**PREREQUISITE:** Accounting & Finance **(Concentrator)**

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Capstone**

Designed to help students gain essential knowledge and skills to make informed decisions about real work financial issues. Students will learn how choices influence occupational options and future earning potential. Students will learn to apply decision-making skills to evaluate career choices and set personal goals. This course will cover the following topics: Checking, Saving, Types of Credit, Managing Credit, Paying for College, Budgeting, Investing, Financial Pitfalls, Career, Taxes, Insurance, Behavioral Finance, Mini Units and Bonus Lessons. *YouScience certification upon successful completion of course exam.*

**Website Programming & Design BU6013 / BU6014**

**GRADE LEVEL:** 10 – 12

**PREREQUISITE:** Gaming Technology **(Concentrator)**

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Capstone**

Design and build websites from scratch while learning programming/coding, design principles, and the project design & development process. Get an introduction to higher level computer concepts, programming techniques, and web page design using HTML & CSS, JavaScript, and Dream Weaver. *YouScience certification upon successful completion of course exam.*

**Business CTE Pathways**

<b>Concentrator</b>	<b>Capstone</b>	<b>Pathway</b>
Accounting & Finance <b>(not offered 2026-27)</b>	Personal Finance	Financial Services
Gaming Technology	Website & Program Design	Software & System Development
Computer Applications	Communication Technology	Information Support & Services
Student Store Business Operations	Accounting and Finance <b>(2027-28)</b>	Financial Services

## ENGLISH

### **British Literature (P) EN4020 / EN4021**

**GRADE LEVEL:** 12

**PREREQUISITE:** English 1 A/B (P), English 2 A/B (P), English 3 A/B (P)

**REQUIREMENTS FULFILLED:**  AHC  A-G (B)  AP  CTE

Explores British literature and culture chronologically, starting with *Beowulf*. Covers Chaucer, Shakespeare and the Renaissance, Jacobean and Neo-Classical writings, the Romantic and Victorian eras, Modernism and contemporary literature. Intensive instruction in college level vocabulary. Perform writing tasks, such as expository, response to literature, reflective, and investigative. ***This course is ideal for students wanting to major in Humanities, Liberal Arts or English.***

### **English 1 (P) EN1011 / EN1012**

**GRADE LEVEL:** 9

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (B)  AP  CTE

Read a variety of literary genres, including short stories, a classic novel, poetry, and a Shakespearean play. Write the following types of essays: narrative, response to literature, persuasive, and a research paper using the MLA format guidelines. Will cover vocabulary development, based on literary context and Greek/Latin root words.

### **English 1 (Honors) EN1015 / EN1016**

**GRADE LEVEL:** 9

**PREREQUISITE:** Teacher Recommendation

**REQUIREMENTS FULFILLED:**  AHC  A-G (B)  AP  CTE

Designed to prepare students for a rigorous honors and AP track in English Language Arts. Read and study several different literary works, including *To Kill A Mockingbird*, *Speak* and *Romeo and Juliet*, as well as, poetry, non-fiction, and short stories. Expect to analyze, discuss and write critically about literary works and spend considerable time outside of class reading and writing.

### **English 2 (P) EN2013 / EN2014**

**GRADE LEVEL:** 10

**PREREQUISITE:** English 1 A/B

**REQUIREMENTS FULFILLED:**  AHC  A-G (B)  AP  CTE

Examine a variety of texts (stories, poetry drama, novels and non-fiction documents) from multiple cultures and historical time periods. Communication skills are developed through writing, speaking and listening, as well as, specific grammar and vocabulary instruction and analysis.

### **English 2 (Honors) EN2019 / EN2020**

**GRADE LEVEL:** 10

**PREREQUISITE:** English 1 A/B (P) and teacher recommendation

**REQUIREMENTS FULFILLED:**  AHC  A-G (B)  AP  CTE

Designed to prepare students for AP exams in their junior and senior years through an expanded curriculum. Students will read and study several different literary works, including *Lord of the Flies*, *Antigone*, *Julius Caesar*, and *Cyrano de Bergerac* as well as poetry, non-fiction, and short stories. Expect to analyze, discuss and write critically about literary works and spend considerable time outside of class reading and writing.

**Eng 3 (Honors) EN3023 (Fall Semester) / AHC ENGL C1000 Academic Reading & Writing**

**GRADE LEVEL:** 11

**EN3025 (Spring Semester)**

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (B)  AP  CTE

During this rigorous course, students will focus on literature from the American experience. Students will develop an understanding and appreciation of American literature and will grow in their abilities to respond to literature based on their own experiences. The students will focus on the following but not limited to text analysis, reading comprehension, writing strategies, language and vocabulary building, oral communication, research skills, listening and speaking skills, and the conventions of grammar and composition. *This course is ideal for students who earned a B or better in English 1 (H) and English 2 (H).*

**CSU ERWC 11 (P) EN3100 / EN3101**

**GRADE LEVEL:** 11

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (B)  AP  CTE

Students in this rhetoric-based course will be introduced to expository, analytical, and argumentative reading and writing. Modules provide instruction in research methods and documentation conventions. Students will become aware of the rhetorical strategies used by authors and apply strategies in their own writing. Students will read and analyze US foundational documents, non-fiction texts, one novel, and one play. *This course is ideal for students wanting to major in Science, Engineering or Math, those interested in the military or those who want to join the workforce immediately after high school.*

**CSU ERWC 12 (P) EN4030 / EN4031**

**GRADE LEVEL:** 12

**PREREQUISITE:** English 1 A/B (P), English 2 A/B (P), English 3 A/B (P)

**REQUIREMENTS FULFILLED:**  AHC  A-G (B)  AP  CTE

Students in this rhetoric-based course develop advanced proficiencies in expository, analytical, and argumentative reading and writing. Modules provide instruction in research methods and documentation conventions. Students will increase their awareness of the rhetorical strategies used by authors and apply strategies in their own writing. Students will read and analyze non-fiction texts, one novel, and one play. *This course is ideal for students wanting to major in Science, Engineering or Math, those interested in the military or those who want to join the workforce immediately after high school.*

**Mexican American Literature EN4038 / EN4039**

**GRADE LEVEL:** 12

**PREREQUISITE:** English 1, English 2, English 3

**REQUIREMENTS FULFILLED:**  AHC  A-G (B)  AP  CTE  Ethnic Studies

This course surveys the history, identity, and oral traditions of Mexican American and other Latino cultures through the lens of literature. Students will read poetry, drama, novels, short stories, critical essays, and other non-fiction texts. The course will include literacy techniques, modes of expression, trends in Mexican American and Latino literature. *This course is ideal for students wanting to major in Ethnic Gender Studies.*

## Concurrent Enrollment – English Courses

### **AHC ENGL C1000 Academic Reading/Writing EN3025 (Spring Semester) – English 3 (H)**

**GRADE LEVEL:** 11

**EN3023 Fall semester**

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (B)  AP  CTE

This course is designed to help students enhance their analytical reading and writing skills using a wide variety of texts. Emphasizes college-level expository essay construction, communication, and research methods leading to the preparation and writing of a research paper.

### **AHC ENG102 Freshman Composition Literature EN#### (Fall Semester)**

**GRADE LEVEL:** 12

**PREREQUISITE:** ENGL C1000

**REQUIREMENTS FULFILLED:**  AHC  A-G (B)  AP  CTE

Introduces the student to the three major types of creative literature: fiction, drama and poetry, with a view to developing greater critical awareness and polishing the writing skills acquired in ENGL C1000.

### **AHC ENGL C1001 Critical Thinking/Writing EN4016 (Spring Semester)**

**GRADE LEVEL:** 12

**PREREQUISITE:** ENGL C1000

**REQUIREMENTS FULFILLED:**  AHC  A-G (B)  AP  CTE

This course focuses on critical thinking and composition through the reading of essays, poetry, drama, and fiction. It introduces critical evaluation, develops techniques of analytical, critical and argumentative writing, explores inference, evidence, inductive and deductive reasoning, identification of assumptions, underlying conclusions and other terms of logical thinking, and continues expository writing.

## ENGLISH INTERVENTION

### **English 1 EN 1011 / EN1012 + English/Math Support ND6110 / ND6111**

**GRADE LEVEL:** 9-12

**PREREQUISITE:** None

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE

Students who fall between 5.0 and 7.0 reading levels on Renaissance Learning placement tests will qualify for this course. This 2-period course will provide additional support for English 1, writing and grammar instruction, and access to an online reading program.

## ELD COURSES

### **Intro to ELD EN6420 / EN6421 + Intro to ELD Lab EN6430 / EN6431**

\*May only be repeated in special circumstances

**GRADE LEVEL:** Newcomer year 1

**PREREQUISITE:** English Learners only, ELPAC Scores, Lexile Level, 12 months or less in US Schools

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE

This is a 2-period course for students who have been enrolled in US schools for 1 year or less. Per the 2012 California ELD Standards, students in this class will develop the basic English language skills of listening, speaking, reading, and writing for the non-native speaker of English. Students will communicate orally using phonics, word fluency, phrases, and sentences. They will learn grammar through word morphemes and basic sentence structure with subjects and verbs. Curriculum: System 44 Standalone, Side By Side

**Intermediate ELD EN6422 / EN6423 + Intermediate ELD Lab EN6432 / EN6433**

\*Course cannot be repeated

**GRADE LEVEL:** Newcomer year 2

**PREREQUISITE:** English Learners only, ELPAC Scores, Lexile Level and Intro to ELD

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE

This is a 2-period course for students who have been enrolled in US schools for 12 – 24 months. Students in this class have completed Intro to ELD + Intro to ELD Lab, but test data and/or teacher recommendation have warranted an additional year of intensive ELD support. Per the 2012 California ELD Standards, students will continue to develop the basic English language skills of listening, speaking, reading, and writing for the non-native speaker of English.

**Accelerated ELD Lab 1 EN6428 / EN6429 \* to be taken concurrently with English 1**

**GRADE LEVEL:** Newcomer year 3

**PREREQUISITE:** English Learners only, ELPAC Scores

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE

The overall goal of this course is to continue developing the fundamentals of English and to practice more advanced skills in reading, writing, speaking, and listening, with an emphasis on reading. Additionally, the course will spend time familiarizing students with the terminology and strategies associated with the English Language Proficiency Assessment for California (ELPAC). The targeted skills will be essential for student success, not only in their English Language Arts courses, but also in passing the ELPAC.

**Adv ELD Lab 1: EN6434 / EN6435 (9<sup>th</sup> grade only)**

The overall goal of this course is to continue developing the fundamentals of English and to practice more advanced skills in reading, writing, speaking, and listening, with an emphasis on reading. Additionally, the course will spend time familiarizing students with the terminology and strategies associated with the English Language Proficiency Assessment for California (ELPAC). The targeted skills will be essential for student success, not only in their English Language Arts courses, but also in passing the ELPAC.

**Adv ELD Lab 2: EN6436 / EN6437 (10<sup>th</sup> grade only)**

The overall goal of this course is to continue developing the fundamentals of English and to practice more advanced skills in reading, writing, speaking, and listening, with an emphasis on writing. Additionally, the course will spend time familiarizing students with the terminology and strategies associated with the English Language Proficiency Assessment for California (ELPAC). The targeted skills will be essential for student success, not only in their English Language Arts courses, but also in passing the ELPAC.

**Adv ELD Lab 3: EN6438 / EN6439 (11<sup>th</sup> grade only)**

The purpose of this course is to expand skills through the daily practice of reading, writing, speaking, and listening in English in order to help you succeed on the Smarter Balance Assessment Consortium (SBAC) and English Language Proficiency Assessment for California (ELPAC). This course supports a core English course and fulfills UC and Cal State elective credits. The course focuses on strategies for English proficiency, improving comprehension with grade-level texts, as well as providing access to core English content. Students will be expected to analyze, discuss, and write critically about topics discussed in class as well as literature and articles read throughout the course. Students are expected to read with strict attention, listen attentively, write with expression, speak in academic English, and use universal themes developed by the stories as jumping off points for intelligent, rational discussions about human nature and their own perspective upon the world at large.

**Adv ELD Lab 4: EN6440 / EN6441 (12<sup>th</sup> grade only)**

This course is designed to support students in qualifying as Redesignated Fluent English Proficient students via passing the ELPAC state assessment, with a score of 4 or better. This course also assists students in earning the California Seal of Biliteracy. The California State University and the University of California systems both highly value the California Seal of Biliteracy as evidence of College and Career Readiness. This course will provide additional instruction and time for development of listening skills, reading comprehension, and writing skills.

## FAMILY & CONSUMER SCIENCE

### **Apparel Construction & Design 1 HE6254 / HE5000 (Spring AHC FASH 110)**

**GRADE LEVEL:** 9 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE **Concentrator**

This introductory level course is Concurrent with AHC and meets the F requirement for college A-G. Students will learn how to operate a sewing machine and an overlock serger machine. Students will make 3 garments: a tote bag, pajama pants, and a shirt. Students will also learn the basics of fashion, using the Elements of design. No previous sewing experience is needed. This course is the first year in the Fashion Pathway sequence.

### **Apparel Construction & Design 2 HE6256 / HE6257**

**GRADE LEVEL:** 10 - 11

**PREREQUISITE:** Successful completion of Apparel Construction & Design

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE **Capstone**

In this course students will expand on the basic skills learned in Apparel 1/ FASH 110, become acquainted with new and varied techniques in clothing construction, and use of a variety of specialty sewing machines, including an Industrial Embroidery machine. Projects include a lined zipper bag, a crossbody bag or similar project, and an advanced project of choice which will help students develop a deeper understanding of construction skills. Students enrolled in Apparel 2 are eligible to compete at the Regional and State level in Fashion related events through FCCLA.

### **Careers in Family & Human Services HE6270 / HE6271**

**GRADE LEVEL:** 11 - 12

**PREREQUISITE:** Dev. Psych of Children or Relationships & Family Health **(Concentrator)**

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Capstone**

This course provides background knowledge and occupation-specific training that focuses on the development of counseling and mental health services, and family and community services careers.

### **Culinary Arts 1 HE6250 / HE6251**

**GRADE LEVEL:** 10 - 11

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Concentrator**

Opportunity to learn basic concepts of food safety and sanitation, food preparation, food service, etc. A variety of cooking techniques used in the industry as well as the home will be mastered. Students will learn terms and methods used in recipes, learn how to operate kitchen equipment as well as common tools. Eligible for Food Handlers Certificate upon successful completion of exam.

### **Culinary Arts 2 HE6570 / HE6571**

**GRADE LEVEL:** 11 - 12

**PREREQUISITE:** Successful completion of Culinary Arts I **(Concentrator)**

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Capstone**

This course builds off material learned from Culinary Arts 1. Students will work in a student-run café and will learn many aspects of the industry including safety regulations and safe food handling; customer relations; cost and profitability analysis' employment and management skills. Eligible for ServSafe certification upon successful completion of the exam.

**Developmental Psychology of Children (P) HE6240 / HE6241**

**GRADE LEVEL:** 10 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Concentrator**

In this course students will learn about the Physical, Social, Emotional, and Cognitive development of children from conception through early adolescence, with an added emphasis on prenatal development and healthy pregnancy including the Empathy Belly experience. The 2nd area of focus is on Developmental Psychologists that have theories related to Children. Students in this class participate in creative, hands-on projects, and learn about infancy through the take home Real Care Baby simulator. This course is perfect for students who think they might be interested in a career involving children.

**Relationships and Family HE6252 / HE6253**

**GRADE LEVEL:** 9 - 11

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Concentrator**

This course is designed to provide students with knowledge and activities related to healthy and unhealthy relationships, personal development, preparation for marriage, family roles and responsibilities, parenting, pregnancy, birth and child development/guidance. Students will learn decision making skills in regard to family living, which includes money management, being a wise consumer and being able to promote and maintain individual and family health.

**Family & Consumer Science CTE Pathways**

<b>Concentrator</b>	<b>Capstone</b>	<b>Pathway</b>
Apparel Construction & Design 1 AHC FASH 110	Apparel Construction & Design 2	Fashion Design
Culinary Arts 1	Culinary Arts 2	Food Service & Hospitality
Dev. Psych of Children/or Relationships & Family	Careers in Family & Human Services	Family Human Services

**Allan Hancock College Concurrent Enrollment – Family & Consumer Science Courses**

**FASH 110 – Apparel Construction 1 HE5000**

**GRADE LEVEL:** 9 - 11

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Concentrator**

This introductory level course is Concurrent with Apparel Construction and Design 1 and meets the G requirement for college A-G. Students will learn how to operate a sewing machine and an overlock serger machine. Students will make 3 garments: a tote bag, pajama pants, and a shirt. Students will also learn the basics of fashion, using the Elements of design. No previous sewing experience is needed. This course is the first year in the Fashion Pathway sequence.

## INDUSTRIAL ARTS & TECHNOLOGY

### **Advanced Small Engines IT6732 / IT6733**

**GRADE LEVEL:** 10 - 12

**PREREQUISITE:** Small Gas Engines A/B **(Concentrator)**

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Capstone**

Students will explore more advanced engine systems and develop more advanced skills with small, air-cooled engines including more advanced diagnostics and repair.

### **Mechanical Drawing 1 IT6651 / IT6652**

**GRADE LEVEL:** 10 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Concentrator**

A course for students interested in entering engineering, construction, and architectural fields. It offers an opportunity to learn traditional mechanical drawing with pencils, T-squares, and triangles, as well as drawing on computers using AutoCAD and 3D printing.

### **Mechanical Drawing 2 IT6653 / IT6654 (Dual enrollment w/Mechanical Drawing 1)**

**GRADE LEVEL:** 10 - 12

**PREREQUISITE:** Requires concurrent enrollment in Mechanical Drawing 1

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE **Capstone**

Preparing for careers in drafting. Additional CAD Software. Pictorial drawing, surface developments, welding drafting, aerospace and technical illustration, industrial design, architectural drafting, map drafting, structural drafting and engineering.

### **Small Gas Engines IT6685 / IT6686**

**GRADE LEVEL:** 9 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Concentrator**

Students will learn how an engine works, safe shop procedures, how to use tools, basic maintenance, troubleshooting and repair procedures. Students will work on small, air-cooled engines, such as those found on lawnmowers, generators and outdoor power equipment.

### **Wood IT6687/IT6688**

**GRADE LEVEL:** 9 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Concentrator**

This course is designed to introduce students to general woodworking practices. Students will learn safety, use hand and power tools, and woodworking machinery. This course includes building wood projects in a shop environment.

### **Wood Tech IT6689 / IT6690**

**GRADE LEVEL:** 10-12

**PREREQUISITE:** Wood A/B **(Concentrator)**

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Capstone**

This course is part of a sequence of courses in wood construction and theater set construction. Wood Tech provides students with a foundation of knowledge, skills and experiences in wood technology and principles of design. This includes building wood projects and theater set construction. This course prepares students for the next level in their education and will advance them toward a skilled position in this career path.

### **Industrial Arts & Technology CTE Pathways**

Concentrator	Capstone	Pathway
Mechanical Drawing 1	Mechanical Drawing 2	Product Innovation & Design
Small Gas Engines	Adv. Small Gas Engines	System Diagnostics, Service & Repair
Wood	Wood Tech	Building & Construction

## INTERNATIONAL LANGUAGES

### **French 1 (P) IL6182 / IL6183**

**GRADE LEVEL:** 9 – 12 (LOTE Level 1)

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (E)  AP  CTE

Communicate in French at an elementary level by engaging in informal conversations, asking and responding to simple questions, reading basic text, and understanding spoken French at the novice level. Students will be exposed to French and Francophone culture.

### **French 2 (H) IL6214 (Fall) – AHC FRCH 101 Elementary French I IL6205 (Spring)**

**GRADE LEVEL:** 10 – 12 (LOTE Level 3)

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (E)  AP  CTE

College Elementary French I: Building upon the skills gained in French 1, students will expand their vocabulary, improve their grammar, and ameliorate their listening, speaking, reading & writing skills at the elementary level. Using a communicative style, students practice French grammar, sentence structure, vocabulary, and speaking skills. Also includes cultural aspects of the French-speaking world.

### **French 3 (H) IL6212 (Fall) – AHC FRCEH 102 Elementary French II IL6203 (Spring)**

**GRADE LEVEL:** 11 – 12 (LOTE Level 3)

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (E)  AP  CTE

Elementary French II: Continuation of FRCH 101, presenting students with the basic skills for vocab & grammar recognition & use, as well as stressing pronunciation, oral skills, reading & writing at the elementary level. Using a communicative style, students practice French grammar, sentence structure, vocab, & oral skills. Also includes cultural aspects of the French-speaking world.

### **AP French Language & Culture (P) IL6198 / IL6199**

**GRADE LEVEL:** 12 (LOTE Level 4)

**PREREQUISITE:** French 3 with C- or better/teacher recommendation

**REQUIREMENTS FULFILLED:**  AHC  A-G (E)  AP  CTE

This college-level course conducted ENTIRELY in French prepares students to take the AP Exam. Grammar is used in context for class discussions, essays, conversations at an advanced level, readings in a variety of forms, and listening comprehension of native speakers at a natural speed. Students are exposed to French and Francophone culture.

### **Spanish 1 (P) IL6160 / IL6161**

**GRADE LEVEL:** 9 – 12 (LOTE Level 1)

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (E)  AP  CTE

Communicate in Spanish at an elementary level by engaging in informal conversations, asking and responding to simple questions, reading basic text, and understanding spoken Spanish at the novice level. Students will be exposed to Spanish/ Latin American culture.

### **Spanish 2 (P) IL6162 / IL6163**

**GRADE LEVEL:** 10 – 12 (LOTE Level 2)

**PREREQUISITE:** Spanish 1 with C- or better/teacher recommendation

**REQUIREMENTS FULFILLED:**  AHC  A-G (E)  AP  CTE

Improve the skills gained in Spanish 1 in areas of reading, writing, oral expression, and listening comprehension. Students will write complete sentences in Spanish, engage in short informal conversations on a variety of topics, read and derive meaning from text, and improve their understanding of spoken Spanish. Students will be exposed to Spanish/ Latin American culture.

**Spanish 3 (P) IL6164 / IL6165**

**GRADE LEVEL:** 11 – 12 (LOTE Level 3)

**PREREQUISITE:** Spanish 2 with C- or better/teacher recommendation

**REQUIREMENTS FULFILLED:**  AHC  A-G (E)  AP  CTE

Improve and build on skills gained in Spanish 2 to improve reading, writing, oral expression, and listening comprehension. Students will read a variety of texts, write paragraphs, expand verbal fluency, and comprehend spoken Spanish at a higher level and increased speed. Students will be exposed to Spanish/Latin American culture.

**Spanish for Spanish Speakers 1 (P) IL6174 / IL6175**

**GRADE LEVEL:** 9 – 12 (LOTE Level 1)

**PREREQUISITE:** Understand / speak Spanish at home

**REQUIREMENTS FULFILLED:**  AHC  A-G (E)  AP  CTE

Gain experience in academic Spanish. Builds on current abilities by expanding vocabulary and refining fluency. Basic grammar practice will provide a firm foundation for reading, writing, speaking, and listening comprehension. Course conducted primarily in Spanish with English explanations as needed.

**Spanish for Spanish Speakers 2 (P) IL6176 / IL6177**

**GRADE LEVEL:** 10 – 12 (LOTE Level 2)

**PREREQUISITE:** Speakers 1 with C- or better/teacher recommendation

**REQUIREMENTS FULFILLED:**  AHC  A-G (E)  AP  CTE

Improve the skills gained in Speakers 1. Continue to build on current abilities by expanding vocabulary and refining fluency. Intermediate grammar practice strengthens skills in reading, writing, speaking, and listening comprehension. Course conducted entirely in Spanish.

**Cine y Teatro IL6900 / IL6901**

**GRADE LEVEL:** 11-12 (LOTE Level 3)

**PREREQUISITE:** Spanish 1, 2, Speakers 1 & 2, or teacher recommendation

**REQUIREMENTS FULFILLED:**  AHC  A-G (E)  AP  CTE  Ethnic Studies

Cinema gives a window to the world and to history, at the same time it provides a mirror which reflects the human condition, and many situations with which we may identify. This class builds Spanish skills, including grammar and writing. It explores themes such as race, ethnicity, gender, sexuality and class through a critical analysis of Cinema in Spanish. Course conducted entirely in Spanish.

**AP Spanish Language & Culture (P) IL6170 / IL6171**

**GRADE LEVEL:** 10 – 12 (LOTE Level 4)

**PREREQUISITE:** Spanish 3, Speakers 2 with C- or better / teacher recommendation

**REQUIREMENTS FULFILLED:**  AHC  A-G (E)  AP  CTE

This college-level course prepares students to take the AP Spanish Language and Culture Exam. Grammar is reviewed as needed for class discussions, essays, conversations at an advanced level, readings in a variety of forms, and listening comprehension of native speakers at a natural speed. Students are exposed to Spanish/Latin American culture. Course conducted entirely in Spanish.

**AP Spanish Literature and Culture (P) IL6172 / IL6173**

**GRADE LEVEL:** 11 – 12 (LOTE Level 4)

**PREREQUISITE:** Spanish for Spanish Speakers 3 or teacher recommendation

**REQUIREMENTS FULFILLED:**  AHC  A-G (E)  AP  CTE

This college-level course builds on the skills acquired in AP Spanish Language and Culture in preparation for the AP Spanish Literature exam. Students will read Spanish and Hispanic literature from 14th – 20th century. Analyze, discuss and interpret poems, plays or narratives through figures of speech, tone, genre, style characters, and themes. Course conducted entirely in Spanish.

## Allan Hancock College Concurrent Enrollment – International Languages

### **FRCH 101 Elementary French I IL6205 (Spring) – French 2 (H) IL6214 Fall**

**GRADE LEVEL:** 10 – 12 (LOTE Level 3)

**PREREQUISITE:** French 1 with C- or better/teacher recommendation

**REQUIREMENTS FULFILLED:**  AHC  A-G (E)  AP  CTE

Improve the skills gained in French 1 in areas of grammar, reading, writing, oral expression, and listening comprehension. Students will write complete sentences in French, engage in short informal conversations on a variety of topics, read and derive meaning from text, and improve their understanding of spoken French. Students will be exposed to French and Francophone culture.

**Acceptable for credit:** CSU, UC

### **FRCH 102 Elementary French II IL6203 (Spring) – French 3 (H) IL6212 (Fall)**

**GRADE LEVEL:** 11 -12 (LOTE Level 3)

**PREREQUISITE:** French 101 or two years of high school French with C- or better/teacher recommendation.

**REQUIREMENTS FULFILLED:**  AHC  A-G (E)  AP  CTE

Improve and build on skills gained in French 101 to ameliorate grammar, reading, writing, oral expression, and listening comprehension. Students will read a variety of texts, write paragraphs, expand verbal fluency, and comprehend spoken French at a higher level and increased speed. Students will be exposed to French and Francophone culture. **Acceptable for credit:** CSU, UC

### **French 2 (P) IL6184 / IL6185**

**(NOT OFFERED)**

**GRADE LEVEL:** 10 – 12 (LOTE Level 2)

**(Refer to Concurrent Offering FRCH 101)**

**PREREQUISITE:** French 1 with C- or better/teacher recommendation

**REQUIREMENTS FULFILLED:**  AHC  A-G (E)  AP  CTE

Improve the skills gained in French 1 in areas of reading, writing, oral expression, and listening comprehension. Students will write complete sentences in French, engage in short informal conversations on a variety of topics, read and derive meaning from text, and improve their understanding of spoken French. Students will be exposed to French and Francophone culture.

### **French 3 (P) IL6186 / IL6187**

**(NOT OFFERED)**

**GRADE LEVEL:** 11 -12 (LOTE Level 3)

**(Refer to Concurrent Offering FRCH 102)**

**PREREQUISITE:** French 2 with C- or better/teacher recommendation

**REQUIREMENTS FULFILLED:**  AHC  A-G (E)  AP  CTE

Improve and build on skills gained in French 2 to improve reading, writing, oral expression, and listening comprehension. Students will read a variety of texts, write paragraphs, expand verbal fluency, and comprehend spoken French at a higher level and increased speed. Students will be exposed to French and Francophone culture.

## MATHEMATICS

### **AP Calculus AB (P) MA6550 / MA6551**

**GRADE LEVEL:** 11 - 12

**PREREQUISITE:** Recommendation to have passed Math Analysis with a B or better

**REQUIREMENTS FULFILLED:**  AHC  A-G (C)  AP  CTE

Students who complete Math Analysis and plan to enter college in a math or science related field. Prepares students for the Calculus Advanced Placement Exam. Topics include functions; graphs; limits and continuity; the concepts of the derivative and integration; related applications.

### **AP Calculus BC (P) MA6738 / MA6739**

**GRADE LEVEL:** 11 - 12

**PREREQUISITE:** Recommendation to have passed Calculus AB with a B or better

**REQUIREMENTS FULFILLED:**  AHC  A-G (C)  AP  CTE

Calculus BC is an intensive, college-level course that prepares students for the Calculus BC Advanced Placement Exam and the STEM fields. It covers all AP Calculus AB topics (limits, derivatives, integrals) plus advanced integration techniques, parametric, polar, vector functions, and infinite sequences and series.

### **Integrated Math 1 MA6200 / MA6201**

**GRADE LEVEL:** 9 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (C)  AP  CTE

Integrated Math 1 builds and strengthens students' conceptual knowledge of algebra, geometry, and statistical concepts from middle school math. Students will be expected to work collaboratively, individually and demonstrate their learning through the Standards of Mathematical Practice. Students will be exposed to rich instruction that develop their conceptual understanding, procedural skills, problem solving skills, critical thinking abilities, and strengthen situational analysis abilities.

### **Integrated Math 2 MA6202 / MA6203**

**GRADE LEVEL:** 10 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (C)  AP  CTE

This course builds and strengthens students' conceptual knowledge of algebra, geometry, and statistical concepts from Integrated Math 1 and develops the foundation for right triangle trigonometry. Students will be expected to work collaboratively, individually and demonstrate their learning through the Standards of Mathematical Practice. Students will be exposed to rich instruction that develop their conceptual understanding, procedural skills, problem solving skills, critical thinking abilities, and strengthen situational analysis abilities.

### **Integrated Math 3 MA#### / MA####**

**GRADE LEVEL:** 10 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (C)  AP  CTE

Integrated Math III builds and strengthens students' conceptual knowledge of algebra, geometry, trigonometry, and statistical concepts from Integrated Math II and develops the foundation for logarithmic and trigonometric functions. Students will be expected to work collaboratively, individually, and demonstrate their learning through the Standards of Mathematical Practice. Students will be exposed to rich instruction that develops their conceptual understanding, procedural skills, problem-solving skills, critical thinking abilities, and strengthens situational analysis abilities.

\*Passing this course completes 10 of 30 required math units for SMJUHSD graduation.

**Accelerated Integrated Math 3 MA#### / MA####****GRADE LEVEL:** 10 - 12**PREREQUISITE:** N/A**REQUIREMENTS FULFILLED:**  AHC  A-G (C)  AP  CTE

Accelerated Integrated Math III builds and strengthens students' conceptual knowledge of algebra, geometry, trigonometry, and statistical concepts from Integrated Math II, develops the foundation for logarithmic and trigonometric functions, then continues into Pre-Calculus concepts of conic sections, polar coordinates, vectors, and parametric equations. This course is designed for advanced students to progress at an accelerated rate, effectively preparing them to enroll in AP Calculus AB the following year, thereby enabling them to reach AP Calculus BC in grade twelve. Students will be expected to work collaboratively, individually, and demonstrate their learning through the Standards of Mathematical Practice. Students will be exposed to rich instruction that develops their conceptual understanding, procedural skills, problem-solving skills, critical thinking abilities, and strengthens situational analysis abilities.

**Intermediate Algebra 2 MA6742 / MA6743****GRADE LEVEL:** 12**PREREQUISITE:** C- or better in Geometry**REQUIREMENTS FULFILLED:**  AHC  A-G (C)  AP  CTE

This course is designed to support seniors with the A-G requirements of Algebra 2. Functions families, (including their domain, range and inverses), equations, patterns, and trigonometry are further investigated at a higher level. New concepts include graphing sine and cosine functions, logarithms, complex numbers and series.

**Math Analysis MA6554 / MA6555****GRADE LEVEL:** 11 - 12**PREREQUISITE:** C- or better in Algebra 2B**REQUIREMENTS FULFILLED:**  AHC  A-G (C)  AP  CTE

Students with a strong background in Algebra 2 and desire to study advanced subjects in preparation for Calculus. Topics may include extension of topics from Algebra 2, analytic geometry; trigonometry and circular functions and graphs; polar coordinates; vectors; matrices, determinants; limits, sequences and series; probability; combinatorics; introduction to calculus and statistics; related applications.

**Math Development I, II or III****(Elective units only)****GRADE LEVEL:** 9 - 12**PREREQUISITE:** Teacher or counselor recommendation**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE

Students will improve their confidence, work habits, and the foundational skills needed to be successful in their Integrated Math course. Students will be expected to work collaboratively, individually, and demonstrate their learning through the Standards of Mathematical Practice. The teacher will supplement the math content as necessary with additional algebra skills, real-world problem-solving activities, enrichment activities, team building, growth mindset activities, and time for questions to be addressed. All work will be completed in class and limited time will be designated for Integrated Math course homework.

**Math for the Careers MA####****GRADE LEVEL:** 12**PREREQUISITE:** N/A**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE

Mathematics for the Careers provides the practical mathematics skills needed in a wide variety of careers. It provides a direct, practical approach that emphasizes on-the-job applications and is intended to provide practical help with real math, beginning at each student's individual level of ability. The course will utilize the calculator as a necessary tool for workers in technical areas. Special attention will be given to on-the-job math skills by using a wide variety of real problems and situations. These problems will parallel those that appear on professional and apprentice exams, as well as the ASVAB military testing.

**Pre-Algebra MA6732 / MA6733****(Newcomer Only)****GRADE LEVEL:** 9 - 11**PREREQUISITE:** EL Newcomer section only**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE

Course Description: Foundations of algebra course for students who have been in the country for less than one year and need support with topics including basic operations, fractions, integers, and routine equations. Completion of the course prepares students to be successful in the Algebra 1 or 2 year algebra course, based on grade and teacher recommendation. This is a two-semester course.

**Statistics (P) MA6580 / MA6581****GRADE LEVEL:** 11 - 12**PREREQUISITE:** C- or better in Algebra 2B**REQUIREMENTS FULFILLED:**  AHC  A-G (C)  AP  CTE

This class is intended to prepare students for a college level statistics course. Students will learn about four conceptual themes in statistics: observing and exploring data, statistical studies, probability, and statistical inference. Problems addressed are based on real world applications that occur in everyday life. Students will organize data for appropriate statistical analysis and display the information graphically and with technology.

**AP Statistics (P) MA6082 / (Spring AHC STATS C1000 MA6556)****GRADE LEVEL:** 11 - 12**PREREQUISITE:** B or better in Algebra 2B or C- or better in Math Analysis**REQUIREMENTS FULFILLED:**  AHC  A-G (C)  AP  CTE

Students who completed Algebra 2 and/or Math Analysis and plan to attend college. Prepares students for the Statistics Advanced Placement Exam. Topics include data collection and analysis; distribution, probability; statistical inference; related applications.

**Allan Hancock College Concurrent Enrollment - Math Course****AHC MATH131 MA6558 (Fall Semester)****GRADE LEVEL:** 10 - 12**PREREQUISITE:** A or better in Algebra 2B or B- or better in Math Analysis**REQUIREMENTS FULFILLED:**  AHC  A-G (C)  AP  CTE

College level course in algebra for majors in science, technology, engineering, and mathematics: polynomial, rational, radical, exponential, absolute value, and logarithmic functions; systems of equations; theory of polynomial equations; analytic geometry.

**AHC MATH121 MA6557 (Spring Semester)****GRADE LEVEL:** 10 - 12**PREREQUISITE:** C- or better in AHC Math 131**REQUIREMENTS FULFILLED:**  AHC  A-G (C)  AP  CTE

The study of directed angles, degree/radian measures of angles, trigonometric functions of angles and of numbers, solutions of right and oblique triangles, identities, functions of composite angles, graphs, equations, inverse functions, vectors and complex numbers.

**AHC STATS C1000 MA6556 (Spring Semester)****GRADE LEVEL:** 10 - 12**PREREQUISITE:** B or better in Algebra 2B or C- or better in Math Analysis**REQUIREMENTS FULFILLED:**  AHC  A-G (C)  AP  CTE

A study of descriptive and inferential statistics including applications in behavior and natural sciences. Topics include classification and analysis of data, probability, distributions, sampling, the binomial, normal, t, F, and chi-square distributions, confidence intervals, hypothesis testing, regression analysis, analysis of variance and non-parametric methods. Calculators and/or computers will be used throughout.

## MISCELLANEOUS ELECTIVES

**AVID**

**GRADE LEVEL:** 9 – 12

**PREREQUISITE:** By approval only

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE

A College readiness program designed to help students develop the skills they need to be successful in college. The program places an emphasis on writing, critical thinking, teamwork, organization and reading skills.

**9<sup>th</sup> ND6403/ND6404**  
**10<sup>th</sup> ND6405/ND6406**  
**11<sup>th</sup> ND6407/ND6408**  
**12<sup>th</sup> ND6409/ND6410**

**Lab Technicians/Student Clerks/Teacher Assistants**

**GRADE LEVEL:** 11-12

Students may be a Student Clerk or TA only for one period during school year. Open to students who are on track for graduation with no significant attendance or discipline records plus teacher approval.

**(Yearbook) Media, Marketing and Publications 1 ND6030 / ND6031**

**GRADE LEVEL:** 9 - 12

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE (Concentrator)

Students will understand a foundational, comprehensive approach to news writing for the web, broadcast, photojournalism basics, social media news production, digital citizenship, ethics and media law. Student work will be published in the Panther Tales and Panther Tales Annual.

**(Yearbook) Media, Marketing and Publications 2 ND6032 / ND6033**

**GRADE LEVEL:** 10 – 12

**PREREQUISITE:** CTE Digital Media, Marketing and Pub 1

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE (Capstone)

This course builds on skills learned in CTE Digital Media, Marketing and Publications 1.

**Digital CTE Pathway**

Concentrator	Capstone	Pathway
Media, Marketing & Publications 1	Media, Marketing & Publications 2	Marketing

**Military Science 1 (Cadet Corps) ND####**

**GRADE LEVEL:** 9-12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE

Description pending

**Robotics ND6830 / ND6831**

**GRADE LEVEL:** 9-12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE

Students will work in engineering teams to design, build and test increasingly complex robots. The course will illustrate the engineering design process, the importance of integrating sensors, complex machine control (programming), and multi-robot systems in a robot design. Students will be expected to solve challenges using physical robots with custom code.

**AHC PROD 301 – Into to Life & Career ND7619**

**GRADE LEVEL:** 9

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE

Introduces students to a decision-making process that will help them envision and plan for a future career that is productive, achievable, and stimulating.

## PHYSICAL EDUCATION

### **P.E. Course 1 PE1032 / PE1033**

**GRADE LEVEL:** 9 only

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE

Introduces 9th graders to a sampling of individual and dual activities. Some of these activities include aquatics, cycling, pickleball, badminton, physical fitness, and tennis. Students will develop and work toward a personalized fitness goal in preparing for physical fitness tests.

### **P.E. Course 2 PE2001 / PE2002**

**GRADE LEVEL:** 10 - 12

**PREREQUISITE:** P.E. 9

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE

Focus on team sports such as football, basketball, hockey, softball, soccer, and volleyball. Students will engage in team sports and will analyze skills and strategies.

### **P.E. Course 3 Weight Training & Fitness PE6011 / PE6012**

**GRADE LEVEL:** 11 - 12

**PREREQUISITE:** Completion of Course 1 and Course 2

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE

Designed to be taken after successful completion of PE Course 1 & 2. Will concentrate on weight training cardio activities, stretching and plyometric. A starter course for students interested in professional training, basic human anatomy, mechanics and nutrition.

### **P.E. Course 4 Advanced Weight Training & Fitness PE6023 / PE6024**

**GRADE LEVEL:** 11 - 12

**PREREQUISITE:** Course 3 Weight Training & Fitness Activities and/or teacher approval

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE

A continuation of Course 3 for students who wish to expand their fitness training. Students will discover different types of training specific to a sport or desired goal. **\*Note: Starts at 7:45 a.m.**

### **Health & Fitness (P) PE6230 / PE6231**

**GRADE LEVEL:** 11 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE

The purpose of Health and Fitness is to develop and enhance healthy behaviors that influence lifestyle choices and student health and fitness. This year-long course provides opportunities to prepare for and implement healthy actions and set personal goals. Students will engage in daily physical activity, design a personal fitness plan, and monitor progress as they implement their fitness plans. Nutrition, personal health, mental and emotional health, and other healthy lifestyle topics are covered.

## SCIENCE

### **Introduction to Athletic Training SC3000 Fall / SC5002 (Spring AHC ATH104)**

**GRADE LEVEL:** 11 - 12

**PREREQUISITE:** Successful completion of Sports Medicine/Kinesiology **(Concentrator)**

**REQUIREMENTS FULFILLED:**  AHC  A-G **(G)**  AP  CTE **Capstone**

Hands-on course where students learn the anatomy and physiology of the human body system and how they interact with each other through sports. This course is designed for future coaches, athletic trainers, health and physical educators; to aid in the evaluation and care of athletic injuries.

### **AP Biology (P) SC2160 / SC2161**

**GRADE LEVEL:** 11 - 12

**PREREQUISITE:** Recommend B or better in Bio & Chemistry

**REQUIREMENTS FULFILLED:**  AHC  A-G **(D)**  AP  CTE

Equivalent to a freshman college course in general biology. The application of laboratory skills, including interpretation of data and the development of hypothesis, is a major component of this course. Elective course recommended for students preparing for the AP Exam.

### **Biology In The Living Earth (P) SC6100 / SC6101**

**GRADE LEVEL:** 10 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G **(D)**  AP  CTE

This lab course has seven units; six from the NGSS Frameworks centered on specific phenomena. Provides an overview of the biological & earth sciences. Units include scientific inquiry, ecosystems & energy, evolution of Earth, life, & atmosphere, inheritance of traits, cell structure, function & growth, and ecosystem stability/climate change.

### **Chemistry in the Earth Systems (P) SC6653 / SC6654**

**GRADE LEVEL:** 10 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G **(D)**  AP  CTE

This lab course has seven units; six from the NGSS Frameworks centered on specific phenomena. Provides an overview of the chemistry of earth sciences. Units include scientific inquiry, combustion, Earth's heat & energy, atoms, elements & molecules, chemical reactions, chemistry of climate change, and chemistry of ocean acidification.

### **Environmental Science (P) SC6633 / SC6634**

**GRADE LEVEL:** 11 - 12

***Meets physical science graduation requirement***

**PREREQUISITE:** Successful completion of Biology of the Living Earth

**REQUIREMENTS FULFILLED:**  AHC  A-G **(D)**  AP  CTE

Course is a multidisciplinary science course that provides students with the opportunity to learn about and develop an appreciation for the Earth's environment. Concepts will be taught from a rigorous science perspective that stresses scientific principles and analysis and includes a laboratory component. The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students will examine natural and man-made environmental problems, considering alternatives for solving or preventing them. Issues will be studied from scientific, sociological and political perspectives.

### **AP Environmental Science (P) SC1050 / SC1051**

**GRADE LEVEL:** 11 - 12

**PREREQUISITE:** Recommend B or better in Bio and Chem/completion or enrollment in Alg 2.

**REQUIREMENTS FULFILLED:**  AHC  A-G **(D)**  AP  CTE

Learn to appreciate the earth's environment. Examine natural and man-made environmental problems and consider alternatives for resolving or preventing them. Issues will be studied from scientific, sociological, and political perspectives. ***Teacher or Admin approval needed if requesting to take Chemistry concurrently with AP Environmental Science.***

**Forensic Science SC3055 / SC3056**

**GRADE LEVEL:** 11 – 12

**PREREQUISITE:** Completion of two years high school science with a C- or better

**REQUIREMENTS FULFILLED:**  AHC  A-G (D)  AP  CTE **Concentrator**

Multi-disciplinary course that provides a bridge between science and the criminal justice system. Scientific theories of forensic science, with special emphasis on biology and chemistry. Builds upon prior knowledge of biology and chemistry, laboratory techniques and procedures to analyze and identify trace physical evidence, including DNA. Develop a deeper understanding of science and its relation to criminal justice.

**Forensic Science 2 SC4055 / SC4056**

**GRADE LEVEL:** 11 – 12

**PREREQUISITE:** Forensic Science 1 **(Concentrator)**

**REQUIREMENTS FULFILLED:**  AHC  A-G (D)  AP  CTE **Capstone**

This class builds upon the same interdisciplinary science courses of anatomy, biotechnology, biochemistry, molecular biology, chemistry, physics, and applies the administrative justice-based laboratory sciences used in the criminal justice system. Students will do forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and law/courtroom procedures from the perspective of the forensic scientist.

**Medical Assisting ND7012 / ND7013**

**(Not NCAA Approved)**

**GRADE LEVEL:** 11 – 12

**PREREQUISITE:** Completion of two years of high school science with C- or better.

Anatomy/Physiology recommended. **Concentrator & Capstone**

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE

Students will learn the skills of medical assisting including infection control/sterilization, the ability to prepare patients for examination/treatment, performing various laboratory tests/EKGs/vital signs, injections, and the use of medical terminology. This is a 2-period course.

**Medical Science Health Careers ND7010 / ND7011**

**(Not NCAA approved)**

**GRADE LEVEL:** 11 – 12 ***SENIORS HAVE PRIORITY***

**PREREQUISITE:** Completion of 2 years high school science with C- or better.

Physiology/Anatomy recommended

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE **Concentrator & Capstone**

Medical terminology, universal precautions, first aid/CPR, basic health care skills, anatomy and physiology, health care organizations and health care professionals. Participation in job shadowing during spring semester at local hospital. This is a two-period course.

**AP Physics SC6625 / SC6626**

**GRADE LEVEL:** 11 - 12

**PREREQUISITE:** Completion of two years of math and enrolled in Alg 2/IM3

**REQUIREMENTS FULFILLED:**  AHC  A-G (D)  AP  CTE

In AP Physics 1: Algebra-Based, you'll learn about kinematics, dynamics, and energy through hands-on laboratory work to investigate and answer questions such as these.

**Physics of the Universe (P) SC6651 / SC6652**

**GRADE LEVEL:** 9 -12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (D)  AP  CTE

The lab course is divided into seven units; six from the NGSS Framework centered on specific phenomena. Provides an overview of physics & earth & space sciences. Units include Scientific Inquiry, Forces & Motion, Forces at a Distance, Energy Conversion, Nuclear Processes, Waves & Electromagnetic Radiation, and Stars/Origin of the Universe.

**Physiology/Anatomy (P) SC6616 / SC6617**

**GRADE LEVEL:** 11 - 12

**PREREQUISITE:** Recommend Biology with C- or better.

**REQUIREMENTS FULFILLED:**  AHC  A-G (D)  AP  CTE

A study of the development and structure of the human body, and the interactions of human cells, tissues, organs and organ systems. Sample topics include Nervous system, cardiovascular system, digestive system, reproductive system.

**Sports Medicine Kinesiology SC7003 / SC7004**

**GRADE LEVEL:** 10 - 12

**PREREQUISITE:** Recommend successful completion of Biology (P) with a C- or better

**REQUIREMENTS FULFILLED:**  AHC  A-G (D)  AP  CTE **Concentrator**

Classroom instruction in kinesiology, biomechanics, anatomy, physiology, healing processes, CPR/First Aid/AED training, injury evaluation, sports medicine, personal training, physical therapy and fitness. Provides preparation for the Sports Medicine profession.

**Science CTE Pathways**

<b>Concentrator</b>	<b>Capstone</b>	<b>Pathway</b>
Sports Medicine Kinesiology	Athletic Training	Patient Care (2020)
Medical Health Careers	(2 periods, full year course)	Patient Care
Medical Assisting	(2 periods, full year course)	Health Care Admin

**Allan Hancock College Concurrent Enrollment – Science Courses**

**ATH 104 – Care and Prevention of Athletic Injuries SC5002 (Fall PV SC3000)**

**GRADE LEVEL:** 11-12

**PREREQUISITE:** Successful completion of Sports Medicine Kinesiology

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE

Designed for prospective coaches, athletic trainers, health and physical educators; to aid in the recognition, evaluation and care of athletic injuries. Emphasizes techniques in taping, care, prevention, and rehabilitation of injuries. This course includes one lab hour per week, to be arranged (TBA) and led by the instructor. The lab hour allows students to apply concepts and techniques presented during lecture.

## SOCIAL SCIENCE

### **Ancient/Medieval History (P) SS6561 (Semester Course)**

**GRADE LEVEL:** 9

**PREREQUISITE:** \*AVID/Honors students interested in taking AP World History/Concurrent

**REQUIREMENTS FULFILLED:**  AHC  A-G (A)  AP  CTE  Ethnic Studies

A broad course of world history that examines the inheritance of Classical Antiquity, of Ancient and Medieval Asia and Europe. Recognition of historical patterns and an examination and emphasis on topics that have a continuing history of civilizations of India, China and the Islamic World, and Greco-Roman antecedents of Medieval Europe.

### **ASB Leadership SS6141 / SS6142**

**GRADE LEVEL:** 9 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE

Designed to teach leadership skills and governmental structure which ultimately enhances school pride, spirit and culture as well as the student's individual knowledge of a working government.

### **Ethnic and Gender Studies ND1023**

**GRADE LEVEL:** 9-12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE

Ethnic and Gender Studies is an interdisciplinary approach to the study, contributions, and experiences of ethnic groups and women in society. This course aims to educate students to be socially, politically, and economically conscious about their personal connections to local and national histories. Dialogue drives the learning and supports the belief that each person has important knowledge, experiences, and voice to share.

### **Ethnic & Social Justice in American Government SS2302 (Can be taken in-lieu of US Gov)**

**GRADE LEVEL:** 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (A)  AP  CTE  Ethnic Studies

Students pursue a deeper understanding of the institutions of American Government. They compare systems of government in the world and analyze the historical and current significance of the Constitution, Bill of Rights, and the federal branches of government. Students will also compare the roles and responsibilities of state and local governments with those of the national government. ESJ stands for "Ethnic and Social Justice." In this class we will learn about the American Government and its policies from multiple viewpoints--ones that emphasize the roles of justice, power, ethnicity, and gender in American Government and society. Students should come to understand that the policies and actions of the American Government have, throughout its history, affected different groups in American society in different and unequal ways.

### **Ethnic & Social Justice in Modern World History SS2300 / SS2301 (Can be taken in-lieu of MWH)**

**GRADE LEVEL:** 10

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (A)  AP  CTE  Ethnic Studies

Students will examine world history through a lens of world cultures from the late 1700s to the present day. This includes the rise of democratic ideas and their influence on the development of government. Students will extrapolate from the global experience that democratic ideas are often achieved at a high price that includes revolutions. The global perspective will demonstrate the absence of Western, political values in many places worldwide. Students will study the quest for liberty and justice, the influence and redefinition of national identity, and the rights and responsibilities of individual citizens.

**Ethnic and Social Justice in US History SS3038 / SS3039 (Can be taken in-lieu of US History)**

**GRADE LEVEL:** 11

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (A)  AP  CTE  Ethnic Studies

This course is centered on the knowledge and perspectives of an ethnic, racial or marginalized group, reflecting narratives and points of view rooted in that group's lived experiences and intellectual scholarship. Ethnic & Gender Studies is not divisive, un-American, nor teaches racial separatism. Rather, it intentionally includes historically marginalized communities and students in multicultural American curriculum, supporting cross-cultural communication.

**Modern World History (P) SS2030 / SS2031**

**GRADE LEVEL:** 10

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (A)  AP  CTE

A study of the major political, social, religious, and economic changes in world history during the late 18th, 19th, and 20th centuries. Also, evolution and growth of Democracy, based on a review of Ancient Greece and Rome, and the Judeo-Christian Tradition. Reviews the Glorious Revolution in England, the American Revolution and US Constitution.

**AP Psychology (P) SS6145/ SS6146**

**GRADE LEVEL:** 11 - 12 **SENIORS HAVE PRIORITY**

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE

The history of Psychology as a discipline, the biological roots of behavior, developmental psychology, sensation and perception, consciousness and psychological disorders. Second semester, students study learning and memory, thinking, language, intelligence, motivation, personality theory and social psychology. Students can take the AP Psychology exam if desired.

**U.S. Economics (P) SS4041**

**GRADE LEVEL:** 12

**PREREQUISITE:** Taken with US Government

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE

Economics examines the practical concepts that will help students interpret the daily news, understand how interdependent global economies are and anticipate how events will impact their lives. An understanding of how economies and markets operate and how the United States' economy is interconnected with the global economy, prepares students to be more effective participants in the workplace. Students need a strong foundation in economics to function effectively as consumers, workers, savers, investors, entrepreneurs and active citizens. The following course will help students develop thinking skills that include analyzing real-world situations, economic reasoning, decision making and problem solving. Students will be engaged in various activities that will challenge and enrich their understanding of economic principles.

**AP U.S. Microeconomics (P) SS4040 (summer work required)**

**GRADE LEVEL:** 12

**PREREQUISITE:** Teacher Recommendation

**REQUIREMENTS FULFILLED:**  AHC  A-G (G)  AP  CTE

The study of microeconomic individuals, firms, and organizational structures that make economic decisions. Demand and supply analysis is developed to demonstrate how market prices are determined, how prices determine an economy's allocative mix of goods and services, how factors of production are allocated, and how goods and services are distributed throughout the economy.

**U.S. Government (P) SS4036**

**GRADE LEVEL:** 12

**PREREQUISITE:** Taken with US Economics

**REQUIREMENTS FULFILLED:**  AHC  A-G (A)  AP  CTE

Develop a deeper understanding of the institutions of American government. Draws on studies of American history and of other societies to compare different systems of government in the world today. Is a culmination of civic literacy that prepares students to vote, reflect on the responsibilities of citizenship, and to participate in community activities.

**U.S. History (P) SS3032 / SS3033**

**GRADE LEVEL:** 11

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (A)  AP  CTE

Provides students with the factual knowledge and analytical and communicative skills necessary to deal critically with the problems and materials in United States History. The study of U.S. History begins with a review of the nation's origins through the era of the Civil War and Reconstruction. The U.S. History course then focuses on the nation's political, diplomatic, intellectual, cultural, economic, and social development during the Twentieth and Twenty First Centuries.

**Allan Hancock College Concurrent Enrollment – Social Science Courses**

**HIST 101 World Civilizations to 1600 SS2200 (Semester Course)**

**GRADE LEVEL:** 10

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE **3 units acceptable for credit: CSU, UC**

An interdisciplinary, multicultural exploration of the development of the Great civilizations: China/Japan, Egypt, Greece/ Rome, India, Mesopotamian and Pre-Columbian. Important ideas, events and discoveries are explored through literature, folklore, art history, philosophy, and science.

**HIST 102 World Civilizations Since 1500 SS2201 (Semester Course)**

**GRADE LEVEL:** 10

**\*Eligible to take AP World History Exam**

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE **3 units acceptable for credit: CSU, UC**

An interdisciplinary examination of the expansion, contraction and conflicts of the major world civilizations from the 16th century to the present. Focus is on ideas, events and discoveries that have shaped our world as viewed through literature, folklore, art history, philosophy, and science.

**HIST 107 US History to 1877 SS3028 (Semester Class)**

**GRADE LEVEL:** 11

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE **3 units acceptable for credit: CSU, UC**

A survey of United States history (New World exploration to 1877) and its method of research through critical thinking involving the economic, political, international and ethnic factors fundamental for understanding the nation's origins and early development. Meets district's US History A requirement. Must take consecutively with History 108.

**HIST 108 US History from 1877 to the Present SS3029 (Semester Class)**

**GRADE LEVEL:** 11

**\*Eligible to take AP US History Exam**

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE **3 units acceptable for credit: CSU, UC**

A survey of United States history (1877 to the present) through philosophic systems as related to critical thinking involving the political, ethnic, economic and international factors fundamental for understanding the nation's growth since the Civil War. Meets district's US History B requirement. Must be taken consecutively with History 107.

**POLS C1000 American Government SS4001 (Semester Class)**

**GRADE LEVEL:** 12

**\*Eligible to take AP US Government Exam**

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE **3 units acceptable for credit: CSU, UC**

A study of American government at the national, state and local levels. Governmental principles, institutions and their historical development are examined. This course satisfies part of the history and government requirements for CSU/US, AHC and many private colleges.

## **SPECIAL EDUCATION**

Special Education offers a continuum of instructional services to assist students in meeting both the SMJUHS District's graduation requirements and/or individual education needs as identified through the IEP (Individual Education Plan). Eligibility for Special Education services is determined through a referral and assessment process. The IEP team determines eligibility and need for these services. Our course/curriculum focus at Pioneer Valley HS is on remediation.

### **CONTINUUM OF SERVICES:**

PREREQUISITE FOR ALL PROGRAMS:

As directed by the IEP.

### **Special Academic Instruction (SAI)**

SAI is designed to support students in Core Curriculum as determined by the IEP.

### **Counseling**

Provided for students who have been identified through the IEP process as having significant behavioral or emotional features affecting their education.

### **Designated Instructional Services**

Services are provided in the areas of Speech and Language, Work Experience, Adaptive Physical Education (APE), Psychological Testing and related services. These services are determined through the referral/assessment process and IEP Team.

### **Adaptive Physical Education**

Provides a service to students who have been diagnosed with a physical disability of long-term and permanent nature.

### **Speech and Language Students**

Provided for students who cannot produce speech sounds or cannot produce them clearly; those with speech rhythm and fluency problems, such as stuttering; voice disorders, such as inappropriate pitch or harsh voice; those with problems understanding and producing language; those with cognitive communication impairments, such as attention, memory, and problem-solving disorders and swallowing difficulties.

### **Vocational / Special Occupations Work Experience Education**

Vocational / Special Occupations Work Experience Education exposes students to the real "world of work". Students receive classroom and on-site placement training in relation to individual capability and vocational aptitude. Only students in Resource Specialist Programs and Special Day Classes are eligible to receive elective credits.

Placement in this program must be recommended by the Individualized Education Program Team (IEP T)

### **OTHER**

Other services included in the special education continuum of services are provided by agencies such as Tri-Counties Regional Center, and Department of Rehabilitation.

**Foundations of Math MA7606/MA7607**

**GRADE LEVEL:** 9 - 11

Designed to teach students the basic concepts of calculation and skills essential for the solving of real life numeric and algebraic problems.

**Concepts of Math MA7602/MA7603**

**GRADE LEVEL:** 9-11

The first course of a two year sequence for students in special education on diploma track.

**Applications of Math MA7570 / MA7571**

**GRADE LEVEL:** 10-12

The second course of a two year sequence for students in special education on diploma track.

**Biology SS7568/SS7569**

**GRADE LEVEL:** 11 - 12

Concepts of Biology through reading, exploration, and labs. Students will study the basics of life on Earth, specifically, the human body and how it works.

**Physics of the Universe SS7570/SS7571**

**GRADE LEVEL:** 9 - 12

Covers topics such as Earth's features, rocks and soil, water in our world, weather and atmospheric processes, Earth, Space and the Universe.

**English 1 SS7518/SS7519**

**GRADE LEVEL:** 9

Students will read a variety of texts, including short stories, novels, poems and a Shakespearean play. They will be introduced to literary terms, review grammar concepts and vocabulary from the text. Students will also practice their writing through writing sentences, paragraphs and short compositions.

**English 2 SS7520/SS7521**

**GRADE LEVEL:** 10

Students will read both fiction and non-fiction texts. They will review literary terms, grammar concepts and be introduced to vocabulary from the text. Students will continue to work on developing their writing through writing sentences, paragraphs and short compositions.

**Comprehension Skills 1 EN7582/ EN7583**

**GRADE LEVEL:** 9-10

The SRA FLEX Literacy program combines computer based and teacher led instruction with 20 minutes of small group instruction. Assessment based on writing, vocabulary and language and portfolios.

**Introduction to Literature EN7512/EN7513**

**GRADE LEVEL:** 11

Students will read fiction and nonfiction works, will participate in sustained silent reading programs, be introduced to literary terms, participate in grammar lessons, write sentences, paragraphs, and short compositions.

**World Literature EN7516/EN7517**

**GRADE LEVEL:** 12

Students will read fiction and nonfiction works, will participate in sustained silent reading programs, be introduced to literary terms, participate in grammar lessons, write sentences, paragraphs, and short compositions.

**World History SS7574/SS7575**

**GRADE LEVEL:** 10

Gives students an understanding of the history of Western & Eastern Civilizations. Common Core standards will be covered and assessed over the course of the semester.

**American History SS7576/SS7577**

**GRADE LEVEL:** 11

Gives students an understanding of the relevance of historical content in today's world and helps them better understand the time periods. Target standards will be covered and assessed over the course of the semester.

**U.S. Econ SS7579**

**GRADE LEVEL:** 12

Provides students with an understanding of the principles of economics and our economic system. Students will compare our system to those of other countries and make reasoned judgments about economics questions.

**Government SS7578**

**GRADE LEVEL:** 12

Gives students an understanding of the Federal, State and Local government. Target standards will be covered and assessed over the course of the semester.

**Study Skills EC7630**

**GRADE LEVEL:** 9 - 12

Students develop the skills needed to be successful in school and life. Gain study skill strategies, organizing use of time, proofread and edit written work. Specifically structured to give **academic support for other classes**. Students have the ability to recapture units in the class if needed.

**Adaptive Physical Education PE7590/PE7591**

**GRADE LEVEL:** 9-12

Students participate in a variety of team activities including but not limited to Volleyball, Basketball, Football, Softball, Soccer, Swimming, Hockey, Team Handball and Badminton.

**Independent Living Skills ED7645/EC7646**

**GRADE LEVEL:** 9 - 12

Opportunities for students to participate in instructional programs, which meet individual needs as identified in the IEP. SDC provides for identified individual educational needs through community experiences, employment preparation and functional academic skills training.

**Life Skills ND7505/ND7506**

**GRADE LEVEL:** 9-12

Offers opportunities for students to participate in instructional programs, which meet individual needs as identified in the IEP. SDC provides for identified individual educational needs through community experience, employment preparation and functional academic skills training.

## VISUAL AND PERFORMING ARTS

### **Art 1 (H) VP#### Fall / VP#### (Spring AHC ART101)**

**GRADE LEVEL:** 9-12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE

This course consists of lectures discussing painting, sculpture, and architecture in Western art spanning from the 19th through the 20th centuries. Lectures will focus on the development and progression of styles, movements, and techniques, as well as highlight the social, political, and economic influences on modern art over the course of these centuries. Culminating unit art projects and papers will apply and connect art historical content, theories, and methodologies.

### **Ballet Folklórico 1 VP6457 / VP6458**

**GRADE LEVEL:** 9 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE **Concentrator**

This course is designed to develop beginning dance skills for regional dance styles in Mexico. Students with little or no previous dance experience will learn the basic techniques for folklórico dances, principals of body alignment, strength, and coordination as they relate to dance and performance. In addition to the dance praxis, the historical and cultural factors that have influenced Mexican folk dance will be studied.

### **Ballet Folklórico 2 VP6503 / VP6504**

**GRADE LEVEL:** 10 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE **Capstone**

Students study the historical background of a variety of regional Mexican dance styles, refine their footwork & stage presence, apply choreographic skills, learn production elements & business/managerial skills, & develop a professional career plan.

### **Beginning Piano VP6546 / VP6547**

**GRADE LEVEL:** 9 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE

Study the elements of music (melody, harmony, rhythm, tone & form) and how they are used to create style. Introduction to different genres of music, historical periods and roles of musicians of that era. Basic music theory and piano technique.

### **Concert Band VP6464 (Spring)/(Marching Band - Fall)**

**GRADE LEVEL:** 10 - 12

**PREREQUISITE:** 1 year experience preferred on instrument or teacher permission

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE

Offered in the spring to performers on the following instruments: flute, clarinet, saxophone, oboe, bassoon, French horn, trumpet, trombone, baritone, tuba, and percussion/drums. The ensemble performs as the "concert band", preparing and performing concert literature for concerts and adjudicated festivals. Opportunities to perform in chamber ensembles and audition for Honors groups. Attendance at performances and rehearsals is REQUIRED.

### **Concert Choir VP6475 - VP6476**

**GRADE LEVEL:** 9 - 12

**PREREQUISITE:** Previous vocal training preferred

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE

Students with previous vocal training and successful completion of an audition with minimum basic skills. Emphasis is on singing activities and vocal production. Develops the skills necessary for ensemble singing, develops skills in reading music notation and provides opportunities for understanding musical elements.

***Concert Choir & Jazz Choir taught simultaneously.***

**Jazz Choir VP6477 / VP6478**

**Concert Choir & Jazz Choir taught simultaneously.**

**GRADE LEVEL:** 9 - 12

**PREREQUISITE:** Previous vocal training and audition with teacher approval

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE

Previous choral background. Successful completion of an audition. Focus on vocal improvisation, performing with musicians with an emphasis on balance and microphone technique.

**Dance 1 VP6780 / VP6781**

**GRADE LEVEL:** 9-12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE **Concentrator**

Students will learning introductory dance skills in such styles as Ballet, Jazz, Lyrical, Hip Hop, and Social Dance.

**Dance 2 VP6782 / VP6783**

**GRADE LEVEL:** 10-12

**PREREQUISITE:** Dance 1

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE **Capstone**

Students will learn advanced dance skills in such styles as Ballet, Jazz, Lyrical, Hip Hop, and Social Dance. Additionally, Dance 2 students will choreograph pieces to teach to Dance 1 students.

**Digital Arts 1 VP6006 / VP6007**

**GRADE LEVEL:** 9 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE **Concentrator**

Explore the field of fine arts and digital graphic design. Learn various methods of expression utilizing electronic equipment such as digital drawing tablets, professional cameras, and industry-leading Adobe Photoshop and Illustrator software.

**Digital Arts 2 VP6011 / VP6012**

**GRADE LEVEL:** 10 - 12

**PREREQUISITE:** Digital Arts 1

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE **Capstone**

A course for students with continued interest in fine arts and digital graphic design utilizing electronic equipment such as digital drawing tablets, professional cameras, and a commercial printer. Expand your skillset with a deeper dive into industry-leading Adobe Photoshop and Illustrator software. Create your own portfolio to help pursue a career in the arts and digital arts-related careers.

**Guitar (P) VP6552 / VP6553**

**GRADE LEVEL:** 9 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE

Students interested in learning to play the acoustic guitar or to improve their existing skills. Learn the fundamentals of playing the guitar, music reading, and basic music theory. Learn chords, tablature, finger picking, and working with different musical styles. **Note:** *Students enrolled in this class will not play the electric guitar at any time throughout course.*

**Introduction to Art (P) VP6420 / VP6421**

**GRADE LEVEL:** 9 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE

Focuses on the elements of art, the foundation of art history and the principles of design using various media.

**Marching Band VP6463 (Fall) / (Concert Band - Spring)**

**GRADE LEVEL:** 9 - 12

**PREREQUISITE:** 1 year experience preferred on instrument or teacher permission

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE

Offered in the fall semester to performers on the following instruments: flute, clarinet, saxophone, French horn, trumpet, trombone, baritone, tuba, percussion/drums, and color guard. In the fall, this ensemble serves as the school marching band, performing in parades, band competitions, and home football games. The band attends a two-week camp in early August. Attendance at performances and after-school rehearsals is **REQUIRED**.

**Music History (P) VP6481 / VP6482 (NO LONGER 12<sup>TH</sup> GRADE ENGLISH OPTION)**

**GRADE LEVEL:** 9 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE

Develop a sense of how music fits into history. Develop your ability to make judgments regarding music through listening and related activities. Opportunities for growth in understanding musical elements, including Rhythm, Melody, Form, Tempo, Dynamics, Timbre, and Harmony. Develop listening, singing, reading and writing music, and playing simple instruments. Covers music from other cultures, from Middle Ages to current.

**Painting (P) VP6422 / VP6423**

**GRADE LEVEL:** 10 -12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE

Basic painting techniques with intensive study of color theory. Learn how to create paintings which indicate depth, volume, and form. Subjects will range from traditional still life to nature, portraits, and architecture. Advanced painting techniques and individual style will be emphasized. Research, written assignments, and critiques will be completed.

**Performance Theatre 1 VP6771 / VP6772**

**GRADE LEVEL:** 9-12

**PREREQUISITE:** None

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE

Students in this course will perform in our live theatrical productions produced by the theatre department. Students will be expected to audition, rehears both in class and after school, and perform in front of an audience. This is an audition-based class.

**Performance Theatre 2 VP6773 / VP6774**

**GRADE LEVEL:** 10-12

**PREREQUISITE:** Performance Theater 1

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE

Students in this course will perform in our live theatrical productions produced by the theatre department. Students will be expected to audition, rehears both in class and after school, and perform in front of an audience. This is an audition-based class.

**Photography 1 (P) VP6447 / VP6448**

**GRADE LEVEL:** 9 -12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE **Concentrator**

Students spend time outdoors learning about and using professional-level camera features on a variety of photographic assignments designed to develop their compositional and technical skills. In the classroom students use a variety of techniques to refine and present their photographs.

**Photography 2 (P) VP6486 / VP6487**

**GRADE LEVEL:** 10 -12

**PREREQUISITE:** Photography 1

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE **Capstone**

Students build on their technical and creative foundations by producing original, portfolio-ready work. The course places strong emphasis on lighting, including studio strobes, constant light, and natural light, while encouraging exploration of personal style and visual storytelling. Assignments focus on concept development, image editing, and presentation, guiding students in creating a cohesive body of work that expresses their individual voice.

**Songwriting and Music Production VP6002 / VP6003**

**GRADE LEVEL:** 9 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE

Designed for beginners to experienced students interested in songwriting and producing music. BandLab, FL Studio and Pro Tools are the main platforms utilized in the class for sequencing and recording music. Basic proficiency on an instrument is encouraged but not required.

**Stagecraft 1 VP7040 / VP7041**

**GRADE LEVEL:** 9-12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE **Concentrator**

This is a class designed to teach the art of theatrical design, implementation, and production to students who are interested in set construction and decoration, properties, costumes, company or stage management, and arts administration. This course provides a bridge between practical skills (construction, electrical work, welding) and design concepts (mood, modes of artistic expression, etc.). This class will also be responsible for running and maintaining the theatre complex for the other performing arts disciplines, the school, and the community.

**Stagecraft 2 VP7042 / VP7043**

**GRADE LEVEL:** 10-12

**PREREQUISITE:** Stagecraft 1

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE **Capstone**

In this class the skills and understanding demonstrated in Stagecraft 1 are further developed. Knowledge and skills in set construction move away from being demonstrated in classroom projects to being applied to the larger productions being produced on the main stage by the VPA department.

**Technical Theater 1 VP6756 / VP6757**

**Not NCAA Approved**

**GRADE LEVEL:** 10 - 12

**PREREQUISITE:** Instructor's approval

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE **Concentrator**

For students who are interested in theatrical design, production, lighting, sound, costumes, and stage management. Students will learn to use sound, lighting equipment, and design in preparation for the school productions. **All students will be required to work on the school drama productions.**

**Technical Theater 2 VP6758 / VP6759**

**Not NCAA Approved**

**GRADE LEVEL:** 11 - 12

**PREREQUISITE:** Technical Theater 1 **(Concentrator)**

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE **Capstone**

For students who have completed Technical Theater 1 and are interested in a career in theatrical design, production, lighting, sound, costumes, and stage management. Students will learn advanced skills in sound, lighting equipment, and design in preparation for the school productions.

**All students will be required to work on the school drama productions.**

**Theater Arts 1 VP6750 / VP6751**

**GRADE LEVEL:** 9 - 12

**PREREQUISITE:** N/A

**REQUIREMENTS FULFILLED:**  AHC  A-G(F)  AP  CTE **Concentrator**

Introduces the basic skills of theater arts in six areas: 1) Acting, performance skills, articulation, projection, expression, and self-confidence; 2) Theater History; 3) Play reading and writing 4) Technical theater, career set design, costume & make-up 5) Introduction to filmmaking 6) Dance.

**Theater Arts 2 VP6748 / VP6749**

**GRADE LEVEL:** 10 - 12

**PREREQUISITE:** Theatre Arts 1 **(Concentrator)**

**REQUIREMENTS FULFILLED:**  AHC  A-G (F)  AP  CTE **Capstone**

Gives an in-depth look into the following 6 areas 1) Acting, performance skills, character development, and expression 2) Theater History; 3) Play reading and writing 4) Technical theater, career set design, costume & make-up 5) Filmmaking 6) Dance.

**Visual & Performing Arts CTE Pathways**

<b>Concentrator</b>	<b>Capstone</b>	<b>Pathway</b>
Ballet Folklórico 1	Ballet Folklórico 2	Performing Arts
Dance 1	Dance 2	Performing Arts
Digital Arts 1	Digital Arts 2	Design, Visual, & Media Arts
Performance Theater 1	Performance Theater 2	Performing Arts
Photo 1	Photo 2	Design, Visual, & Media Arts
Stagecraft 1	Stagecraft 2	Cabinetmaking, Millwork,& Woodworking
Theater Arts 1	Theater Arts 2	Professional Theater
Tech Theater 1	Tech Theater 2	Stage Technology

**Allan Hancock College Concurrent Enrollment - Visual & Performing Arts Courses**

**AHC ART101 Art Appreciation VP#### Fall / VP#### (Spring Art 1 (H))**

**GRADE LEVEL:** 10-12

**PREREQUISITE:**

**REQUIREMENTS FULFILLED:**  AHC  A-G  AP  CTE

This course is an introduction to the form, content, and media of the visual arts. Lectures provide an overview of artistic methods, materials, and terminology, as well as exploring cultural and historical significances and main concepts and theories of art. Major art movements and styles will be discussed spanning from prehistoric to contemporary art, and nonwestern art will be analyzed by cultural regions.