



2025-2026

Course Catalog

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#### NON-DISCRIMINATION STATEMENT

The Board of Education is committed to equal opportunity for all individuals in education. District programs, activities and services shall be free from unlawful discrimination, harassment, intimidation, and/or bullying based on actual or perceived sex, race or ethnicity, color, national origin, nationality, religion, age, sexual orientation, sexual preference, ancestry, ethnic group identification, gender, gender expression, gender identity, physical or mental disability, marital or parental status, or on the basis of a person's association with a person or group with one or more of these actual or perceived characteristics, or sexual harassment in any district service, program and/or activity that receives or benefits from state financial assistance. The Board shall promote programs which ensure that unlawful discriminatory practices are eliminated in all district activities.

Complaints alleging noncompliance with this policy of nondiscrimination should be directed to Tracy Unified School District.

## Counseling Department - Welcome Letter

Dear Tracy High Families,

Welcome to another exciting year at Tracy High School. Before you begin planning your courses for the next school year, we want to remind you to please choose courses carefully. Transcripts, prerequisites and the student's four-year plan should be reviewed prior to final selection. Because the master schedule is built based on student course requests and classes are planned at maximum capacity, ***schedule changes are rarely able to be accommodated.***

Counselors will still be meeting with students to review course selections and progress towards graduation. We wish you lots of success in courses. Do not forget to check out the Counseling Department webpage for important announcements and events.

Your counselors are always working diligently to develop new programs and learn about the newest ways to get students and families more engaged. We are also continuing to the process to align with the American School Counselor Association.

Have a great year,

Tracy High School Counseling Department



# Typical 4-year *Course Sequence*

## Graduation Requirements vs. A - G College Entrance Requirements

Subject Requirement	Tracy High	Colleges/Universities
History	3 years	2 years
English	4 years	4 years
Mathematics	2 years (including Algebra)	3 years (4 yrs. recommended)
Science	3 years (Biology, Chem or Physics, 3rd year any science)	2 years (Lab sciences, 3 yrs. recommended)
Foreign Language	1 year *	2 years (3 years recommended)
Visual/Performing Arts	1 year *	1 year
Physical Education	2 years	none
Electives	70 credits minimum	1 year (must be a-g approved)
	<b>220 Credits Required</b>	<b>Grade of C or Better Required</b>

\*TUSD requires 1 year of foreign language OR 1 year of visual or performing art for graduation.

The course sequence below depicts a typical Tracy High School student taking six course each semester. Please note that this is not a reflection of any specific program offered at THS. Many students will decide to take additional/different courses depending on their academic/career goals.

### 9<sup>th</sup> Grade / Freshman Year

1. English 9
2. Math (Algebra 1 or higher)
3. Biology
4. Core 9 PE
5. Elective/Foreign Lang
6. Elective/Fine Art

### 11<sup>th</sup> Grade / Junior Year

1. English 11
2. US History
3. Science
4. Elective/Algebra 2
5. Elective
6. Elective

### 10<sup>th</sup> Grade / Sophomore Year

1. English 10
2. Math (Geometry or higher)
3. Chemistry or Physics
4. World History
5. Advanced PE
6. Elective/Foreign Lang. Yr. 2

### 12<sup>th</sup> Grade / Senior Year

1. English 12
2. Government/Economics
3. Elective
4. Elective
5. Elective
6. Elective



# Grade Point Average *Calculation*

**Grade Point Average** is calculated using the student's Semester grades, as following:

**A = 4.0** (Honors/AP/IB Weighted GPA A = 5.0)

**B = 3.0** (Honors/AP/IB Weighted GPA A = 4.0)

**C = 2.0** (Honors/AP/IB Weighted GPA A = 3.0)

**D = 1.0** (Honors/AP/IB Weighted GPA A = 1.0)

**F = 0.0**

Tracy Unified lists three types of GPAs on our transcripts For the follow purposes:

**Academic GPA 9-12:** calculated using grades earned from grade 9 to grade 12, both weighted and non-weighted.

**Academic GPA 10-12:** calculated using grades earned in all courses from grade 10 to grade 12, both weighted and non-weighted.

**Total GPA 9-12:** calculated using grades earned in all courses from grade 9 to grade 12, both weighted and non-weighted. This GPA is used to determine eligibility for graduation and participation in athletic programs.

## **Repeating Courses**

Students may at some point need to repeat a course for purposes of meeting high school graduation requirements or to meet college eligibility requirements. Once the repeated course is completed, both the initial grade and the repeated grade will appear on the student's transcript. Credit from the initial course will be removed, as credit is only allowed once per course. When a course is being repeated during the school year, you must consider the loss of credit when calculating credit requirements for graduation. Courses can be repeated during summer school, during the school year (with some exceptions, or online (with some exceptions). meet with a counselor for more information.

**UC/CSU A-G Weighted GPA:** calculated using grades in only "a-g" courses during grades 10 to 12. This GPA is used to determine college eligibility. It is important to note that the UC/CSU system recalculates GPA for admissions differently. Please note that "a-g" courses that are taken in 9<sup>th</sup> grade are also integral as they are part of the minimum requirements necessary for UC/CSU eligibility.

# UC & CSU Requirements



## University of California

[admission.universityofcalifornia.edu](http://admission.universityofcalifornia.edu)

### Grade Point Average

Students must earn at least a 3.0 GPA in all "a-g" or college-preparatory courses to meet this requirement. The University calculates GPA by converting grades earned in all "a-g" courses completed between summer after 9th grade through summer after 11th grade to grade points: A=4 points, B=3 points, C=2 points, D=1 points. (Pluses and minuses don't count.) Then the grade point totals are divided by the number of "a-g" courses taken in 10<sup>th</sup> and 11<sup>th</sup> grade.

Extra points for honors/AP/IB courses is of high interest to students. UC allows an extra point for each semester of a UC honors-level course, with a maximum of 8 points between 10th and 11th grades. For 10th grade, you cannot use more than 4 honors points.

Classes taken during the summer after 9th grade count as 9th grade; classes in summer after 10th grade count as 10th grade; classes in summer after 11th grade count as 11th grade.

Honors courses are Advanced Placement courses, International Baccalaureate Higher Level and designated Standard Level courses, UC-transferable college courses and UC-certified honors courses that appear on [your school's course list](#).

To be considered for admission, you must complete 15 yearlong high school courses with a grade of C or better — at least 11 of them prior to your senior year.

### Examinations Requirement

Please reference the university website for up to date information regarding testing requirements related to SAT, SAT Subject Tests, ACT, AP and IB

ACT: [www.actstudent.org](http://www.actstudent.org) & SAT: [sat.collegeboard.org](http://sat.collegeboard.org)

### AP, IB and SAT Subject Tests\*\*

It is recommended that students who complete Advanced Placement courses complete the related AP examination to demonstrate subject mastery. Similarly, International Baccalaureate scores and scores from SAT Subject Tests can be used to showcase academic mastery. In order to receive unit credit toward the baccalaureate degree, you must submit an official copy of your AP or IB scores directly from the testing agency. This can be done in the summer following high school graduation.

### Eligibility in Local Context (ELC)\*\*

Students who rank in the top 9% of their graduating class based on their UC/CSU Weighted GPA (GPA of 3.0+ and completion of at least 11 "a – g" courses prior to starting their senior year) are eligible for admission to the UC through the ELC program - a partnership set up between the UC System and California high schools. This early evaluation and admission occurs during the summer leading to the students' senior year. To remain eligible, students must fulfill all general admission requirements.



## California State University

<https://www.calstate.edu/apply/freshman/>

### Grade Point Average

Students must complete the "a-g" requirements with a grade of "C" or better.

### Eligibility

CSU Admission offices consider 3 main factors to determine a student's eligibility:

- Graduation from high school
- Completion & grades in "a-g" courses

Many CSU campuses utilize local admission guarantee policies for students that attend schools in areas that are served by their local CSU campus. For more details, visit the [\\_](#)

# A - G Course List

Please visit: [UC Doorways Tracy HS Approved Course List](#)

**\*Must pass with a C or better\***

## A

World History  
World History ELL  
Advanced World History  
Ag/Sci Adv. SS2 – World History

U.S. History  
U.S. History ELL  
Ag/Science U.S. History  
History of the Americas IB HL1

American Government/Econ  
American Government/Econ ELL  
Ag/Sci American Government/Econ  
History of the Americas IB HL2

## B

English 9  
Advanced English 9  
Ag/Sci Advanced English 9  
English 10  
Advanced English 10

Ag/Sci Advanced English 10  
English 11  
Ag/Sci English 11  
Expository Reading & Writing 11  
English IB HL1

English 4  
Ag/Sci English 4  
Expository Reading & Writing 12  
English IB HL2

## C

Algebra 1  
Algebra 1 ELL  
Geometry  
Geometry ELL

Algebra 2  
Advanced Algebra 2  
Pre-Calculus (H)  
AP Calculus AB

AP Calculus BC  
AP Computer Science A  
AP Statistics  
Math Applications & Interpretations

## D

Biology  
Biology Ag  
Biology Ag, Acad  
Biology ELL  
Enhanced Biology  
Enhanced Biology Acad  
Biology IB HL1

Biology IB HL2  
Environmental Systems IB SL  
Chemistry  
Chemistry Ag  
Chemistry Ag, Acad  
Chemistry IB SL  
Environmental Systems IB HL2

Enhanced Chemistry  
Enhanced Chemistry Acad  
Enhanced Physics  
Human Physiology  
Human Physiology ELL  
Intro to Computer Science  
Physics

## E

Spanish 1  
Spanish 2  
Spanish IB HL1

Spanish IB HL2  
Spanish 5  
Spanish for Native Speakers 1

Spanish for Native Speakers 2  
American Sign Language

## F

Graphic Arts 1  
Art & Design  
Advanced Art  
Advanced Art 3  
Advanced Art 4  
Piano Keyboarding

Advanced Piano  
Symphonic Band  
Concert Band  
Jazz Band  
Orchestra  
Concert Choir

Film Studies  
Drama 1  
Advanced Drama  
Technical Theater  
Floral Design

## G

Ag Welding  
Ag/Sci Adv SS1 World Geography  
Animal Physiology  
Freshman Seminar  
AVID (9-12)  
Automotive Technology  
Biotechnology  
Child Development  
Careers with Children Interm.  
Adv Careers with Children  
Economics

Emergency Response - Intro to Fire  
Emergency Response - Fire Service CTE  
Ethnic Studies  
Forestry and Wildlife  
Intro to Psychology  
Journalism  
Philosophy IB SL  
Psychology IB SL  
Shop Skills 1  
Shop Skills 2

Small Animals & Horses  
Social & Cultural Anthropology IB SL  
Speech & Debate  
Student Government & Leadership  
Theory of Knowledge IB  
Veterinary Science  
Adv Veterinary Science  
Wood 1  
Yearbook Design *pending*  
Child Development II *Pending*

# Tracy High School *Academies*

Please contact the Academies Office for more information.

Administrative Assistant: Lisa Pribble

[lpribble@tusd.net](mailto:lpribble@tusd.net)

(209)830-3360 ext. 2080

## International Baccalaureate (IB)



The International Baccalaureate Academy is opened to ALL motivated students who are interested in a university education. This academy offers a comprehensive and rigorous curriculum that meets internationally recognized standards. The primary objective of the IB Academy is to provide students with a balanced integrated curriculum in all academic areas. IB students may earn college credit by taking examinations at the end of their junior and/or senior year. The student who excels in the program demonstrates a strong commitment to learning and develops the discipline necessary to succeed in college. Tracy High School was the 3<sup>rd</sup> high school in California to be approved by the IBO and is one of 99 recognized International Baccalaureate high schools in California. IB coursework fulfills the state requirements for high school graduation and is A-G approved for University of California and California State University.

## Performing Arts



The Performing Arts Academy is an honorary, academic program for ALL students who wish to earn recognition for their commitment to studying the arts. The instructional program offers an enriched curriculum, preparing students for further study at post-secondary institutions and entry-level career options in the arts and entertainment industry. There are many ways you may personalize your experience with different performance pathways to reach your personal goals.

## Agricultural Scientific



The Ag/Sci Academy is designed as an alternative program option for students with a strong interest in science or agriculture. The Academy also helps students explore undecided career options. The goal of the Ag/Sci Academy is to help students meet their individual educational goals. Application and selections is required to enroll in the Academy. This is a 4 year program and students are not usually admitted after freshman year.

# Ag/Science Academy *Course Progression*



Department	Freshman	Sophomore	Junior	Senior
Science	<p>ENHANCED BIOLOGY ACAD</p> <p>All Students enrolled in this course move on to Enhanced Chem</p>	ENHANCED CHEMISTRY ACAD	Elective (determined by graduation pathway)	Elective (determined by graduation pathway)
Agriculture	<p>BIOLOGY AG*</p> <p>All students in this course move on to Chemistry AG</p>	CHEMISTRY AG*	Elective (determined by graduation pathway)	Elective (determined by graduation pathway)
English	Ag/Science ADVANCED ENGLISH 1	Ag/Science ADVANCED ENGLISH 2	Ag/Science ENGLISH 3 P OR IB English 3	Ag/Science ENGLISH 4 P OR IB English 4
Social Science	Ag/Sci Adv SS1 World Geography	Ag/Sci Adv. SS2 – World History	Ag/Science U.S. History OR History IB HL1	Ag/Sci Amer Govt/Econ OR History IB HL2

# Agriculture Science Academy Project *Courses*

## **Ag/Science SOPHOMORE PROJECT - 5311**

Grade Level: 10

Course Length: 1 year ONLY MEETS TWICE A YEAR

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite:** Enrolled in Ag/Science Academy courses sophomore year.

This course is designed for the Academy sophomore student to broaden and improve their understanding of various careers by attending one hour sessions presented by professionals in various fields such as Wildlife Biologist, Molecular Biologist, Physical Therapy, Veterinarian, Radiologist, Nursing, Environmental Scientist, and Ag Production. Students must attend 4 out of the 8 presenters and submit a one-page typed review for 5 units of Tracy High School credit. This is one of the 3 Ag/Science Academy requirements for graduation of the Academy program.

## **Ag/Science JUNIOR PROJECT - 5308**

Grade Level: 11

Course Length: Zero Period, 1 semester only

Credit: 2

UC/CSU Category: NONE

**Prerequisite:** Ag/Science Academy junior

This course meets one day a week at 7:00 am with the Academy Coordinator. This course is required of all junior level Ag/Science Academy students who are planning on completing the Academy program. This class will provide for weekly checkpoints on the student's individual project and provide instruction on how to complete this project. Students will manage the actual project outside of class on their own time and complete the project by the specified due date. The grade for the class will be based on attendance and class participation.

## **Ag/Science SENIOR PROJECT - 5309**

Grade Level: 12

Course Length: Zero Period, 1 semester only

Credit: 2

UC/CSU Category: NONE

**Prerequisite:** Ag/Science Academy senior

This course meets periodically through appointments with the Academy Coordinator. This course is required of all Senior level Ag/Science Academy students who are planning on completing the Academy program. This class will provide for regular checkpoints on the student's individual project and provide instruction on how to complete this project. Students will manage the actual project outside of class on their own time and complete the project by the specified due date. The grade for the class will be pass/fail and based on the student's successful completion of Academy requirements.

# CTE - *Career Technical Education*

## What is CTE?

Career Technical Education (CTE) provides students of all ages with the academic and technical skills, knowledge and training necessary to successfully transition to college and future careers and to become lifelong learners. In total, about 12.5 million high school and college students are enrolled in CTE across the nation. CTE prepares these learners for the world of work by introducing them to workplace competencies, and makes academic content accessible to students by providing it in a hands-on context. In fact, the high school graduation rate for CTE concentrators is about 90 percent – 15 percentage points higher than the national average. (source: <https://careertech.org/cte>)

## Articulation Agreements:

An Articulation Agreement allows **CTE students to earn college credit** or advanced placement for work they complete in high school. Articulation Agreements allow CTE students to skip some basic, foundational, or 100-level courses that may be required by the college. This will save students time and money and enable them to take more advanced college courses sooner in their college careers. Articulation Agreements enable students to graduate High School with college credits, which are significantly less expensive when they are obtained while the student is in High School. College tuition for the same credits is much more expensive when the student gets to college. College credits earned through Articulation Agreements are usually transferable to other post-secondary institutions. Once the student earns them, no one can take them away.

## Acronyms and Definitions:

**Pathway:** A series of linked courses that lead to industry certified skill sets as defined in Model Curriculum Guides and Standards for Industry Sectors. These are defined by the California Department of Education and more information can be found at (<https://www.cde.ca.gov/ci/ct/sf/ctemstandards.asp>)

**Introduction:** A course that provides information for more than one CTE defined industry sector. Generally this course is recommended for implementation within grades 7-9; guiding to a pathway.

**Concentrator:** CTE course that provides industry pathway specific content skills leading to a single industry competency skill set.

**Capstone:** The final course in a planned sequence of courses that provides a rigorous and intensive culmination of a course of study. Students that complete a concentrator and capstone course are considered completers in that pathway.

**Industry Certifications:** Many pathway allows students to be certificated. See each pathway for details.

**Work Based Learning:** Defined by many different types of experiences depending on grade level and detailed below. Work based learning can refer to career search, a job shadow, unpaid internship called a “CC” or community classroom to paid internships and work experience.

**Job Shadow:** Observational and interview only activity at the business or industry site.

**Community Classroom:** An unpaid internship or contract in which trained industry specific students are placed with a mentor within the community for work-based training. Students must be at least 16; within either concentrators or capstones for no less than 45 hours of instructor for that jobsite. Abbreviated as “CC” .

**Internship:** A paid or unpaid supervised training experience through a CTE course.

# CTE - Career Technical Education

Pathways are designed to connect high school classes to college, industry certifications, and/or a career



## Agriculture Mechanics (Industry Sector: Agriculture and Natural Resources)

<u>Course #</u>	<u>THS Course Name</u>	<u>Time</u>	<u>Level</u>	<u>Articulation</u>
5313	Shop Skills 1	1 hr	Intro	
5314	Shop Skills 2	1 hr	Concentrator	
5363	Ag Welding	1 hr	Capstone	Delta (Welding 10/Las Positas (WLDLT 70)

Highlights: Participation in Hire Me First, job shadowing, resume and portfolio.

## Agriscience (Industry Sector: Agriculture and Natural Resources)

<u>Course #</u>	<u>THS Course Name</u>	<u>Time</u>	<u>Level</u>	<u>Articulation</u>
3106	Biology Ag, Acad	1 hr	Intro	
3189	Chemistry Ag, Acad	1 hr	Concentrator	
3191	Physics, Ag	1 hr	Capstone	

Highlights: Participation in Hire Me First, job shadowing, resume and portfolio.

## Animal Science (Industry Sector: Agriculture and Natural Resources)

<u>Course #</u>	<u>THS Course Name</u>	<u>Time</u>	<u>Level</u>	<u>Articulation</u>
5393	Meat Processing	2hr	Capstone	

Highlights: Participation in Hire Me First, job shadowing, resume, portfolio and ServSafe Food Handlers Certification.

## Floral Design (Industry Sector: Agriculture and Natural Resources)

<u>Course #</u>	<u>THS Course Name</u>	<u>Time</u>	<u>Level</u>	<u>Articulation</u>
3521	Floral Design Art History	1 hr	Concentrator	
3520	Floriculture Advanced	1hr	Capstone	

Highlights: Participation in Hire Me First, job shadowing, resume and portfolio.

# CTE - Career Technical Education

## Child Development (Industry Sector: Education, Child Development & Family Services)

<u>Course #</u>	<u>THS Course Name</u>	<u>Time</u>	<u>Level</u>	<u>Articulation</u>
5450	Child Development	1 hr	Concentrator	
5400	Careers w/Children	2 hr	Capstone	Pending
5410	Careers w/Children Advanced	2 hr	Capstone	Pending

Highlights: CPR Certified (Infant, Child & Adult) Participate in Hire Me First, resume, portfolio, job shadowing and Community Classroom.

## Biotechnology (Industry Sector: Health Science and Medical Technology)

<u>Course #</u>	<u>THS Course Name</u>	<u>Time</u>	<u>Level</u>	<u>Articulation</u>
3200	Lab Research BioTech 1	1 hr	Introduction	
3200	Lab Research BioTech 2	1 hr	Concentrator	
3200	BioTech 3	1 hr	Capstone	

Highlights: Students develop a legal lab notebook, resumes, and career investigations. [Internship, WSSP](#)

## Food Services & Hospitality (Industry Sector: Hospitality and Tourism, and Recreation)

<u>Course #</u>	<u>THS Course Name</u>	<u>Time</u>	<u>Level</u>	<u>Articulation</u>
5505	Culinary Arts	1 hr	Concentrator	
5504	Adv Culinary Arts	1 hr	Capstone	

Highlights: ServSafe Food Handlers Certification. Hire Me First: resume, portfolio, and job shadowing.

## Hospitality, Tourism & Recreation (Industry Sector: Hospitality and Tourism, and Recreation)

<u>Course #</u>	<u>THS Course Name</u>	<u>Time</u>	<u>Level</u>	<u>Articulation</u>
5563	FEAST	2 hr	Capstone	

Highlights: ServSafe Food Handlers Certification. Hire Me First: resume, portfolio, and job shadowing.

## Emergency Response (Industry Sector: Public Services)

<u>Course #</u>	<u>THS Course Name</u>	<u>Time</u>	<u>Level</u>	<u>Articulation</u>
3101	Intro Fire Service	1 hr	Concentrator	Las Positas (FST1: FIRE PROTECTION)
3102	Fire Service	2 hr	Capstone	Modesto Junior College (FTECH301: PRINCIPLES OF EMERGENCY SERVICES)

Highlights: CPR & First Aid Certified

## Systems Diagnostics, Service & Repair (Industry Sector: Transportation)

<u>Course #</u>	<u>THS Course Name</u>	<u>Time</u>	<u>Level</u>	<u>Articulation</u>
5043	Auto Mechanic	1 hr	N/A	
5253	Auto Technology	2 hr	Capstone	Delta College (AutoMech 72, 73, 74)

Highlights: Prepares students for a full-time entry level position within the industry.

# Course List

## English Courses

1003	English 9 ◊ ±
1010	Adv. English 9 ◊ ±
1017	Ag/Science Adv. English 9 ◊ ±
1133	English 10 ◊ ±
1120	Adv. English 10 ◊ ±
1145	Ag/Science Adv. English 10 ◊ ±
1263	English 11 ◊ ±
1260	Ag/Science English 11 ◊ ±
1223	English IB HL1 ◊ ±
1284	ERWC 11 ◊ ±
1383	English 12 ◊ ±
1390	Ag/Science English 12 ◊ ±
1394	English IB HL2 ◊ ±
1285	ERWC 12 ◊ ±
8224	English Skills ●
8286	English 9/10 MM ●
8287	English 11/12 MM ●
1203	Beginning ELD ◻

## English Elective Courses

1363	Journalism ◊
6031	Yearbook Design ◊
6061	Speech & Debate ◊ ±
0208	Newcomer ELD ◻
0207	ELD 9 ◻
0206	ELD 10 ◻
0205	ELD 11 ◻
0204	ELD 12 ◻

## Social Science Courses

8228	History Skills ●
7001	Ag/Sci Geography ◊ ±
7103	World History CP ◊ ±
7135	World History ELL ◊ ± ◻
8295	World History MM ●
7111	Adv. World History ◊ ±
7107	Ag/Sci Adv. World History ◊ ±
7253	US History ◊ ±
7286	US History ELL ◊ ± ◻
8293	US History MM ●
7263	Ag/Sci US History ◊ ±
7254	History of the Americas IB HL1 ◊ ±
7381	American Gov. & Econ ◊ ±
7320	American Gov. & Econ ELL ◊ ◻
7301	Ag/Sci American Gov. & Econ ◊ ±
8296	American Gov. & Econ MM ●
7355	History of the Americas IB HL2 ◊ ±

## Social Science Elective Courses

1364	Ethnic Studies ◊
1235	Social Cultural Anthropology IB SL ◊ ±
7340	Intro to Psychology ◊ ±
7351	Psychology IB SL ◊ ±
7387	Theory of Knowledge IB11 ◊ ±
7384	Theory of Knowledge IB12 ◊ ±
7357	Philosophy IB ◊ ±

## Mathematics Courses

8225	Math Skills ●
8297	Math MM ●
2065	Algebra Readiness
2067	Algebra Readiness ELL ◻
8292	Algebra Readiness MM ●
2052	Algebra 1 ◊ ±
2070	Algebra 1 ELL ◊ ◻ ±
8223	Algebra 1 MM ●
2103	Geometry ◊ ±
2106	Geometry ELL ◊ ± ◻
2093	Algebra 2 ◊ ±
2100	Adv. Algebra 2 ◊ ±
2131	Pre-Calculus ◊ ±
2133	AP Calculus AB ◊ ±
2134	AP Calculus BC ◊ ±
2020	AP Statistics ◊ ±
4558	Intro Computer Science ◊
3317	AP Computer Science ◊ ±
2102	IB Math: Applications and Interpretation SL ◊ ±

## Science Courses

8226	Science Skills ●
3136	Biology ◊ ±
3153	Biology ELL ◊ ± ◻
8288	Biology MM ●
3163	ENH Biology ◊ ±
3362	ENH Biology, Acad ◊ ±
3105	Biology, Ag ◊ ±
3106	Biology Ag, Acad ◊
3335	Biology IB HL1 ◊ ±
3337	Biology IB HL2 ◊ ±
3266	Chemistry ◊ ±
3290	Chemistry ELL ◊ ± ◻
8311	Chemistry MM ●
3294	ENH Chemistry ◊ ±
3362	ENH Chemistry, Acad ◊ ±
3188	Chemistry, Ag ◊ ±
3188	Chemistry Ag, Acad ◊
3287	Chemistry IB SL ◊ ±
3330	Physics ◊ ±
3331	Physics ELL ◊ ± ◻
8312	Physics MM ●
3311	ENH Physics ◊ ±

- ◊ A-G Approved Courses
- ± NCAA Approved Courses
- ◻ English Language Development Courses
- Special Education Courses

# Course List

## Science Courses Cont.

3055	Environmental Systems & Societies IB SL ◊ ±
3203	Human Physiology ◊ ±
3191	Physics, Ag ◊ ±
3323	Physics IB SL ◊ ±

## Physical Education Courses

9012	THS Core 9 PE
9102	Personal Fitness
9011	Lifetime Wellness & Fitness
9417	Team Sports
9416	Team Sports for Athletes
9415	THS Weight Training
9410	THS Weight Training for Athletes

## Visual & Performing Art Courses

6030	Graphic Arts ◊
6003	Art & Design ◊
6008	Advanced Art ◊
6005	Advanced Art 3 ◊
6006	Advanced Art 4 ◊
6090	Concert Band ◊
6073	Marching Band
6093	Symphonic Band ◊
6103	Orchestra ◊
6113	Jazz Ensemble ◊
6143	Concert Choir ◊
6100	Piano Keyboard ◊
6095	Advanced Piano ◊
6099	Piano Accompanist
6042	Drama 1 ◊
6053	Advanced Drama ◊
6035	Film Studies ◊
3067	Technical Theater ◊

## Modern Language Courses

11546	American Sign Language 1 ◊
4033	Spanish 1 ◊ ±
4153	Spanish 2 ◊ ±
4273	Spanish HL1 ◊ ±
4383	Spanish HL2 ◊ ±
4393	Spanish 5 ◊ ±
4103	Spanish 1 Spanish Speakers ◊ ±
4053	Spanish 2 Spanish Speakers ◊ ±

## Agriculture Courses

5331	Small Animals & Horses ◊
5313	Shop Skills 1 ◊
5314	Shop Skills 2 ◊
5393	Meat Processing (2 hour)
5363	Welding ◊
5103	Wood 1 ◊
3110	Veterinary Science ◊
3116	Adv Veterinary Science ◊
3114	Forestry and Wildlife ◊
3521	Floral Design Art History ◊
3520	Floriculture Advanced

## Career Technical Education Courses

5043	Auto Mechanics ◊
5253	Auto Technology (2 hr) ◊
3101	Intro Fire Service (1 hr) ◊
3102	Fire Service (2 hr) ◊
5505	Culinary Arts
5504	Advanced Culinary Arts
5450	Child Development ◊
5541	Child Development II ◊
5400	Child Care Careers w/Children (2hr) ◊
5410	Child Care Careers w/Children Advanced (2hr) ◊
5563	FEAST (2 hr)
3200	Lab Research in Biotechnology ◊

## More Elective Courses

8490	Student Government & Leadership ◊
TBD	Work Experience
TBD	Lab Assistant
TBD	Teacher Assistant
0102	Academic Decathlon
0115	AVID 9 ◊
0215	AVID 10 ◊
0315	AVID 11 ◊
0415	AVID 12 ◊
8130	AVID Tutoring
5311	Sophomore Project (AgSci)
5308	Junior Project (AgSci)
5309	Senior Project (AgSci)
8308	Academic Support ●

- ◊ A-G Approved Courses
- ± NCAA Approved Courses
- ▣ English Language Development Courses
- Special Education Courses

# English *Courses*

## **ENGLISH 9 P - 1003**

Grade Level: 9  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: B - English  
**Prerequisite:** None

This course will include orientation and instruction in college preparatory language art skills including spelling, vocabulary, composition, grammar, reading, and speaking. Study skills and library skills will be reviewed and practiced. Essay writing will be emphasized. This course will provide the necessary skills for more advanced work. Students may expect homework 3-4 nights per week.

## **ADVANCED ENGLISH 9 - 1010**

Grade Level: 9  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: B - English  
**Prerequisite:** 8<sup>th</sup> grade English teacher recommendation.

This course begins a four-year sequence intended for academically able students with well-established reading and writing skills who desire rigorous preparation for university level work. Students will develop skills in reading critically the major types of literature; in performing, listening to, and evaluating oral presentations; in writing effectively and critically for various audiences and purposes; in developing oral and written commentary skills; in thinking critically about material presented; and in developing an appreciation and tolerance of other cultures and of ideas different from those held by the student through a critical study of relevant literature. Students may expect homework daily.

## **Ag/Science ADVANCED ENGLISH 9 - 1017**

Grade Level: 9  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: B - English  
**Prerequisite:** Acceptance into the Ag/Science Academy.

The course introduces technology for research, production, and presentation. Reading, writing, listening, speaking and critical thinking skills are developed as students will be trained to do research using library and electronic sources. Students will do essay writing, team projects, and oral presentations. The course will be taught using cooperative learning techniques while fostering individual experience.

## **ENGLISH 10 P - 1133**

Grade Level: 10  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: B - English  
**Prerequisite:** None

This course is literature-based to help students understand and appreciate critical values represented in the various literary genres: novels, plays, short stories, essays, myths and poetry. The major goals of the course are to develop an appreciation of various aspects of human nature and human relationships by exploring various themes in literature, to improve students' reading, listening and speaking abilities by studying, analyzing, and discussing the major themes; and to improve students' writing abilities.

## **ADVANCED ENGLISH 10 - 1120**

Grade Level: 10  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: B - English  
**Prerequisite:** Grade C or better in 9th grade Advanced English 1 and teacher recommendation.

This course will expand and strengthen the skills developed at the 9th grade level. Reading, writing and speaking skills will be integrated into a literature-based program. Students may expect homework daily.

## **Ag/Science ADVANCED ENGLISH 10 - 1145**

Grade Level: 10  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: B - English  
**Prerequisite:** Completion of 9<sup>th</sup> grade Ag/Science Academy classes.

Ag/Science Advanced English 10 is the same skills based to Advanced English 10. The course is an interdisciplinary approach to literature and World History. The units of instruction for this course and the World History Ag/Science course have common objectives, common themes, common skills, and common teaching time frames. Students in Ag/Sci Advanced English 10 will concentrate on reading, writing, listening, and speaking skills throughout the year. Students also complete a portfolio representing their 2 years in the academy. This course is designed to offer students adequate rigor and challenge to participate in the program.

# English *Courses*

## **ENGLISH 11 P - 1263**

Grade Level: 11  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: B - English  
**Prerequisite:** None

This course offers further development and refinement of the language arts skills previously practiced. Writing, reading, vocabulary, and speaking skills are thoroughly integrated in a strong literature-based program emphasizing speaking and essay writing. Students will also complete a job application, cover letter and resume for their district assessment. Students may expect four nights of homework per week.

## **Ag/Science ENGLISH 11 P - 1260**

Grade Level: 11  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: UC/CSU Category: B - English  
**Prerequisite:** Completion of 10<sup>th</sup> grade Ag/Science Academy classes.

This course is the same course in content to English 11. This college acceptable course offers further development and refinement of the language arts skills previously practiced. Writing, reading, vocabulary, and speaking skills are thoroughly integrated in a strong literature-based program emphasizing speaking and essay writing. Students will also complete a job application, cover letter and resume for their district assessment. Students enrolled in the Academy will begin their Senior Project and complete their Job Shadowing through this course.

## **ENGLISH IB HL 1 - 1223**

Grade Level: 11  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: B - English  
**Prerequisite:** Grade C or better in 10th grade Advanced English and teacher recommendation.

This course begins the two-year International Baccalaureate program, which dictates the curriculum and literature to be studied as well as the assessments. The course offers further development and refinement of speaking, writing, reading and critical thinking skills.

## **CSU EXPOSITORY READING AND WRITING 11 - 1284**

Grade Level: 11  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: B - English  
**Prerequisite:** Grade C or better in English 3 and teacher approval.

The goal of the Expository Reading and Writing 11 course is to prepare college-bound students for the literacy demands of higher education. Through a sequence of 14 rigorous instructional modules, students in this yearlong, rhetoric-based course develop advanced proficiency in expository, analytical, and argumentative reading and writing. Modules also provide instruction in research methods and documentation conventions. Students will read closely to examine the relationship between an author's argument or theme and his or her audience and purpose; to analyze the impact of structural and rhetorical strategies; and to examine the social, political and philosophical assumptions that underlie the text.

## **ENGLISH 12 P - 1383**

Grade Level: 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: B - English  
**Prerequisite:** None

The goal of the Expository Reading and Writing 12 course is to prepare college-bound seniors for the literacy demands of higher education. Through a sequence of 14 rigorous instructional modules, students in this yearlong, rhetoric-based course develop advanced proficiency in expository, analytical, and argumentative reading and writing. Modules also provide instruction in research methods and documentation conventions. Students will read closely to examine the relationship between an author's argument or theme and his or her audience and purpose; to analyze the impact of structural and rhetorical strategies; and to examine the social, political and philosophical assumptions that underlie the text.

# English Courses

## **Ag/Science ENGLISH 12 P - 1390**

Grade Level: 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: B - English

**Prerequisite:** Completion of Ag/Science Eng. 3 or English HL1.

Ag/Science English 12 is the same course in content to English 12 P. Students will review and practice the major forms of discourse through integrated, literature-based units of study emphasizing reading, essay writing, and speaking skills and vocabulary. This course is also a component in the final phase of the Ag/Science Academy. Students will choose a project that is an extension of their junior paper, collect and record data on the project, and finally give a formal presentation of their results. The research paper, project documentation, and project results will be compiled into a professional portfolio.

## **CSU EXPOSITORY READING AND WRITING 12 - 1285**

Grade Level: 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: B - English

**Prerequisite:** Grade C or better in English 3 and teacher approval.

The goal of the Expository Reading and Writing course is to prepare college-bound seniors for the literacy demands of higher education. Through a sequence of 14 rigorous instructional modules, students in this yearlong, rhetoric-based course develop advanced proficiency in expository, analytical, and argumentative reading and writing. Modules also provide instruction in research methods and documentation conventions. Students will read closely to examine the relationship between an author's argument or theme and his or her audience and purpose; to analyze the impact of structural and rhetorical strategies; and to examine the social, political and philosophical assumptions that underlie the text.

## **ENGLISH IB HL 2 - 1394**

Grade Level: 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: B - English

**Prerequisite:** Grade C or better in 11th grade English IB HL1 and teacher recommendation.

This course completes the two-year International Baccalaureate program. This course offers further development and refinement of speaking, writing, reading and critical thinking skills.

## **BEGINNING ELD - 1203**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite:** Identified English learners

This course is designed for English learners who are new to the English language. It develops all areas of language: listening, speaking, reading, and writing. Emphasis is on vocabulary development and appropriate grammar development. Instructional activities on American culture are also included. Students enrolled in Beginning ELD students are concurrently enrolled in Newcomer ELD. The Beginning Eld Support class earns Elective credit This 1-hour year long support course provides additional support and practice for students enrolled in Beginning ELD.

# English *Courses*

## **SPEECH AND DEBATE - 6061**

Grade Level: 9, 10, 11, 12  
Course Length: 1 year  
UC/CSU Category: G - Elective  
**Prerequisite:** NONE

This course is an introduction to public speaking. Emphasis is placed on the preparation and presentation of effective oral communication. Students develop confidence, poise, and fluency as they study the principles of expository and persuasive speaking in both theory and practice.

## **JOURNALISM 1363**

Grade Level: 9, 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: G - Elective  
**Prerequisite:** Grade of B or better in English courses or Journalism teacher/Counselor approval.

The Journalism class publishes the student newspaper Scholar & Athlete every three weeks throughout the school year. Students are taught how to write in a journalistic style and instructed as to the responsibility of the free press. Students should be Juniors and seniors and have a "B" average in English.

## **YEARBOOK DESIGN - 6031**

Grade Level: 9, 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: G - Elective  
**Prerequisite:** Teacher approval required.

Yearbook Design is a full-year course dedicated to the production of the school yearbook. The yearbook is produced by a student staff and contains a pictorial history of the school year. Students with a "B" average in English may apply to become a staff member. Students wishing to enter the class must obtain a signature from the yearbook teacher. A formal application and interview may also be required, including the recommendation of an English teacher before registration in the Spring. Editors usually have some prior experience in yearbook and have computer skills. Yearbook staff members and editors are required to put in several out-of-school hours covering school events in addition to the class period. Computer experience in Photoshop and Illustrator are not a requirement but a plus.

## **NEWCOMER ELD - 0208**

Grade Level: 9, 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: NONE  
**Prerequisite:** Identified English learners who are at the beginning level of English Language Development.

This course is designed to introduce students to English via the four domains of reading, writing, listening, and speaking by Interacting in Meaningful Ways (Part 1 of English Language Development standards) and Learning How English Works (Part 2 of the English Language Development standards) in order to demonstrate language proficiency at the expanding level based on the ELD descriptors. Through the application of ELD instructional strategies, students develop skills necessary to make gains toward proficiency of the four language domains.

## **ELD 9 - 0207**

Grade Level: 9  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: NONE  
**Prerequisite:** Identified English learners

This course is designed to introduce students to English via the four domains of reading, writing, listening, and speaking by Interacting in Meaningful Ways (Part 1 of English Language Development standards) and Learning How English Works (Part 2 of the English Language Development standards) in order to demonstrate language proficiency at the expanding level based on the ELD descriptors. Through the application of ELD instructional strategies, students develop skills necessary to make gains toward proficiency of the four language domains.

## **ELD 10 - 0206**

Grade Level: 10  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: NONE  
**Prerequisite:** Identified English learners

This course is designed to introduce students to English via the four domains of reading, writing, listening, and speaking by Interacting in Meaningful Ways (Part 1 of English Language Development standards) and Learning How English Works (Part 2 of the English Language Development standards) in order to demonstrate language proficiency at the expanding level based on the ELD descriptors. Through the application of ELD instructional strategies, students develop skills necessary to make gains toward proficiency of the four language domains.

## English *Courses*

### **ELD 11 - 0205**

Grade Level: 9  
Course Length: 1 year  
Credit: 11 credits  
UC/CSU Category: NONE  
**Prerequisite:** Identified English learners

This course is designed to introduce students to English via the four domains of reading, writing, listening, and speaking by Interacting in Meaningful Ways (Part 1 of English Language Development standards) and Learning How English Works (Part 2 of the English Language Development standards) in order to demonstrate language proficiency at the expanding level based on the ELD descriptors. Through the application of ELD instructional strategies, students develop skills necessary to make gains toward proficiency of the four language domains.

### **ELD 12 - 0204**

Grade Level: 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: NONE  
**Prerequisite:** Identified English learners

This course is designed to introduce students to English via the four domains of reading, writing, listening, and speaking by Interacting in Meaningful Ways (Part 1 of English Language Development standards) and Learning How English Works (Part 2 of the English Language Development standards) in order to demonstrate language proficiency at the expanding level based on the ELD descriptors. Through the application of ELD instructional strategies, students develop skills necessary to make gains toward proficiency of the four language domains.

## Mathematics *Courses*

### **ALGEBRA READINESS - 2065**

Grade Level: 9 with teacher recommendation  
Course Length: 1 year  
Credits: 10 credits towards the math requirement, does not satisfy Algebra requirement  
UC/CSU Category: None  
**Prerequisite:** None

Algebra Readiness is designed to prepare students for Algebra 1 with emphasis on foundational skills, student discourse, visual representations, and relational understandings. Topics covered include integers, equations, fractions, the coordinate system, and linear equations. Upon completion of Algebra Readiness, students will be prepared to enroll in Algebra 1.

### **ALGEBRA READINESS ELL - 2067**

Grade Level: 9 with teacher recommendation  
Course Length: 1 year  
Credits: 10 credits towards the math requirement, does not satisfy Algebra requirement  
UC/CSU Category: None  
**Prerequisite:** Identified English Learners

Algebra Readiness ELL is designed for those students who require a Sheltered English instruction approach in mathematics. Spanish language assistance is available through a bilingual paraprofessional. The course will prepare students for Algebra 1 with emphasis on content vocabulary, writing, reading, foundational skills, student discourse, visual representations, and relational understandings. Topics covered include integers, equations, fractions, the coordinate system, and linear equations. Upon completion of Algebra Readiness ELL, students will be prepared to enroll in Algebra 1 or Algebra 1 ELL.

# Mathematics *Courses*

## **ALGEBRA 1 - 2052**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credits: 10 credits towards the math requirement, satisfies the Algebra requirement

UC/CSU Category: C – Mathematics

**Prerequisite:** None

Algebra 1 is designed to provide for a full year of 'fundamentals in algebra. Topics covered include integers, expressions, equations, inequalities, functions, sequences, linear equations, linear inequalities, systems, statistics, polynomials, quadratics, and exponential functions. Upon completion of Algebra 1, students will be prepared to enroll in Geometry.

## **ALGEBRA 1 ELL - 2070**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credits: 10 credits towards the math requirement, satisfies the Algebra requirement

UC/CSU Category: C – Mathematics

**Prerequisite:** Identified English Learners

Algebra 1 ELL is designed for those students who require a Sheltered English instruction approach in mathematics. Spanish language assistance is available through a bilingual paraprofessional. The course will provide for a full year of fundamentals in algebra 1 with emphasis on content vocabulary, writing, and reading. Topics covered include integers, expressions, equations, inequalities, functions, sequences, linear equations, linear inequalities, systems, statistics, polynomials, quadratics, and exponential functions. Upon completion of Algebra 1 ELL, students will be prepared to enroll in Geometry or Geometry ELL.

## **GEOMETRY - 2103**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credits: 10 credits towards the math requirement

UC/CSU Category: C – Mathematics

**Prerequisite:** Grade of **D-** or better in Algebra 1 or Algebra 1 ELL

Geometry is designed to provide for a full year of fundamentals in geometry. Topics covered include constructions, transformation, congruence, triangles, proof, quadrilaterals, statistics, probability, similarity, trigonometry, solids, and circles. Upon completion of Geometry, students will be prepared to enroll in Algebra 2 or Advanced Algebra 2.

## **GEOMETRY ELL - 2106**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credits: 10 credits towards the math requirement

UC/CSU Category: C – Mathematics

**Prerequisite:** Identified English Learners, Grade of **D-** or better in Algebra 1 or Algebra 1 ELL

Geometry ELL is designed for those students who require a Sheltered English instruction approach in mathematics. Spanish language assistance is available through a bilingual paraprofessional. The course will provide for a full year of fundamentals in geometry with emphasis on content vocabulary, writing, and reading. Topics covered include constructions, transformation, congruence, triangles, proof, quadrilaterals, statistics, probability, similarity, trigonometry, solids, and circles. Upon completion of Geometry ELL, students will be prepared to enroll in Algebra 2 or Advanced Algebra 2.

## **ALGEBRA 2 - 2093**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credits: 10 credits towards the math requirement, satisfies the Algebra requirement

UC/CSU Category: C – Mathematics

**Prerequisite:** Grade of **D-** or better in Algebra 1 (or Algebra 1 ELL) **and** Geometry (or Geometry ELL)

**Note: Students intending to take AP PreCalculus are recommended to enroll in Advanced Algebra 2.**

Algebra 2 is designed to provide for a full year of intermediate and advanced algebra. Topics covered include absolute value functions, piecewise functions, quadratic functions, polynomial functions, rational functions, radical functions, exponential functions, and logarithmic functions. Upon completion of Algebra 2, students will be prepared to enroll in IB Math, AP PreCalculus, or AP Statistics.

# Mathematics *Courses*

## **ADVANCED ALGEBRA 2 - 2200**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credits: 10 credits towards the math requirement, satisfies the Algebra requirement

UC/CSU Category: C – Mathematics

**Prerequisite:** Grade of D- or better in Algebra 1 (or Algebra 1 ELL) and Geometry (or Geometry ELL)

Recommended: C or better in the previous math course.

**Note: Students intending to take AP PreCalculus are recommended to enroll in Advanced Algebra 2.**

Advanced Algebra 2 is designed to provide for a full year of intermediate and advanced algebra, including more rigorous topics that extend into higher mathematics. Topics covered include absolute value functions, piecewise functions, quadratic functions, polynomial functions, rational functions, radical functions, exponential functions, and logarithmic functions. Upon completion of Advanced Algebra 2, students will be prepared to enroll in IB Math, AP PreCalculus, or AP Statistics.

## **AP PRECALCULUS – 2138**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credits: 10 credits towards the math requirement

UC/CSU Category: C – Mathematics

**Prerequisite:** Grade of D- or better in Algebra 2 or Advanced Algebra 2

AP PreCalculus is designed to be taught as a college level course to prepare students for taking the Advanced Placement examination in PreCalculus. Topics covered include analytical geometry, trigonometric functions, systems, vectors, statistics, probability, and derivatives. Upon completion of AP PreCalculus, students will be prepared to enroll in AP Statistics, AP Calculus AB, or AP Calculus BC.

## **AP CALCULUS AB – 2132**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credits: 10 credits towards the math requirement

UC/CSU Category: C – Mathematics

**Prerequisite:** Grade of D or better in AP PreCalculus or A in Advanced Algebra 2

AP Calculus AB is designed to be taught as a college level course to prepare students for taking the Advanced Placement examination in Calculus AB. Topics covered include limits, derivatives, integration, and the definite integral. Upon completion of AP Calculus AB, students will be prepared to enroll in college level calculus coursework.

## **AP CALCULUS BC – 2134**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credits: 10 credits towards the math requirement

UC/CSU Category: C – Mathematics

**Prerequisite:** Grade of D or better in AP PreCalculus

AP Calculus BC is designed to be taught as a college level course to prepare students for taking the Advanced Placement examination in Calculus BC. Topics covered include limits, derivatives, integration, the definite integral, series, and Taylor series. Upon completion of AP Calculus BC, students will be prepared to enroll in college level calculus coursework.

## **AP STATISTICS – 2020**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credits: 10 credits towards the math requirement

UC/CSU Category: C – Mathematics

**Prerequisite:** Grade of D or better in Algebra 2 or Advanced Algebra 2

AP Statistics is designed to be taught as a college level course to prepare students for taking the Advanced Placement examination in Statistics. Topics covered include data analysis, data collection, probability, and inference. Upon completion of AP Statistics, students will be prepared to enroll in college level statistics coursework.

## **IB MATH Applications and Interpretation SL - 2102**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits towards the math requirement

UC/CSU Category: C - Mathematics

**Prerequisite:** Grade of C or better in Advanced Algebra 2

IB Math Applications and Interpretation SL is designed for IB Diploma Candidates or anticipated IB Diploma Candidates. This course is designed for students who enjoy describing the real world and solving practical problems using mathematics, students who are interested in harnessing the power of technology alongside exploring mathematical models, and students who enjoy the more practical side of mathematics.

## Mathematics *Courses*

### **INTRODUCTION TO COMPUTER SCIENCE - 4558**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credits: 10 credits towards the elective requirement

UC/CSU Category: D – Science

**Prerequisite:** Concurrent Enrollment in Geometry or higher

Introduction to Computer Science is designed for students with no prior experience programming or coding to build their foundational understanding of computer science and basic programming using JavaScript. Topics covered include data types, loops, algorithms, and data structures. Upon completion of Introduction to Computer Science, students will be prepared to enroll in AP Computer Science A.

### **AP COMPUTER SCIENCE A – 3317**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credits: 10 credits towards the elective requirement

UC/CSU Category: C – Mathematics

**Prerequisite:** Concurrent Enrollment in Algebra 2 or higher

AP Computer Science A is designed to be taught as a college level course in Java to prepare students for taking the Advanced Placement examination in Computer Science A. Topics covered include objects, methods, data types, loops, algorithms, and data structures. Upon completion of AP Computer Science A, students will be prepared to enroll in college level computer science coursework.

## Science *Courses*

### **BIOLOGY - 3136**

Grade Level: 9

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** Completion of or enrollment in elementary Algebra.

This course is the natural science that involves the study of life and living organisms, including their physical and chemical structure, function, development and evolution. This course gives students a good foundation in Biology with related Earth Science phenomena and Engineering applications. The following topics will be covered: cell structure and function; mitosis and cell division; cell differentiation; systems of specialized cells; homeostasis and feedback mechanisms; energy and matter flow through ecosystems; ecosystem dynamics; photosynthesis and cellular respiration; history of earth's atmosphere and biogeochemical cycles; DNA structure and function; meiotic cell division; genetics; DNA replication; protein synthesis; evidence of evolution; natural selection and adaptations; social interactions and group behavior; ecosystem stability and its response to climate change; the influence of natural resource availability, natural hazards, and changes in climate on human populations; human impacts on ecosystems; natural resources and global climate change; conservation of natural resources-solutions and sustainability. This course meets all NGSS standards for Biology and Engineering Design, and many NGSS standards for Earth and Space Sciences. This is one of three science courses that are required for high school graduation.

### **BIOLOGY ELL – 3153**

Grade Level: 9

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** Identified English Language Learner and teacher recommendation.

This course is similar in content to general Biology, but is designed for students that have limited English Proficiency. Topics presented include cell structure and function, ecology, molecular biology, evolution, human body systems and genetics. This course meets all California State Standards in Biology.

### **BIOLOGY AG, ACAD - 3106**

Grade Level: 9

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** None

This course is equivalent to Biology Ag (3105), however it is specifically designed with inclusion of agriculture content for students in the Agricultural Scientific Academy in the FFA Pathway.

# Science *Courses*

## **BIOLOGY AG - 3105**

Grade Level: 9

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** None

This is a one-year course designed to integrate biological science practices and knowledge into the practice of sustainable agriculture. Biology is the natural science that involves the study of life and living organisms, including their physical and chemical structure, function, development and evolution. This course gives students a good foundation in Biology with related Earth Science phenomena and Engineering applications. The following topics will be covered: cell structure and function; mitosis and cell division; cell differentiation; systems of specialized cells; homeostasis and feedback mechanisms; energy and matter flow through ecosystems; ecosystem dynamics; photosynthesis and cellular respiration; history of earth's atmosphere and biogeochemical cycles; DNA structure and function; meiotic cell division; genetics; DNA replication; protein synthesis; evidence of evolution; natural selection and adaptations; social interactions and group behavior; ecosystem stability and its response to climate change; the influence of natural resource availability, natural hazards, and changes in climate on human populations; human impacts on ecosystems; natural resources and global climate change; conservation of natural resources-solutions and sustainability. This course also provides an opportunity and expectation for student's participation in the National FFA organization including FFA participation and a Supervised Agriculture Experience Project. This course meets all NGSS standards for Biology and Engineering Design, and many NGSS standards for Earth and Space Sciences as well as a variety of Agriculture standards and frameworks. This is one of three agriculture science courses that are required for high school graduation.

## **ENHANCED BIOLOGY - 3163**

Grade Level: 9

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** Completion of or enrollment in elementary Algebra.

Biology is the natural science that involves the study of life and living organisms, including their physical and chemical structure, function, development and evolution. This course gives students a good foundation in Biology with related Earth Science phenomena and Engineering applications. In addition, Enhanced Biology provides students with the additional skills and content necessary for advanced study in the sciences. The following topics will be covered: cell structure and function; mitosis and cell division; cell differentiation; systems of specialized cells; homeostasis and feedback mechanisms; energy and matter flow through ecosystems; ecosystem dynamics; photosynthesis and cellular respiration; history of earth's atmosphere and biogeochemical cycles; DNA structure and function; meiotic cell division; genetics; DNA replication; protein synthesis; evidence of evolution; natural selection and adaptations; social interactions and group behavior; ecosystem stability and its response to climate change; the influence of natural resource availability, natural hazards, and changes in climate on human populations; human impacts on ecosystems; natural resources and global climate change; conservation of natural resources-solutions and sustainability. This course meets all NGSS standards for Biology and Engineering Design, and many NGSS standards for Earth and Space Sciences. This is one of three science courses that are required for high school graduation.

## **ENHANCED BIOLOGY, ACAD - 3362**

Grade Level: 9

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** Completion of or enrollment in elementary Algebra.

This course is equivalent to Enhanced Biology (3163), however it is specifically designed with inclusion of agriculture content for students in the Agricultural Scientific Academy in the Science Pathway.

# Science Courses

## **BIOLOGY IB HL 1- 3335**

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** Taken or taking Chemistry and have taken Biology, preferably Advanced Biology

This course will be the first part of a two-year sequence that will prepare students for the higher level IB exam in Biology. Topics covered include: Biochemistry, cells, energy relationships, reproduction/heredity, and variation. Students taking Biology IB HL 1 should be prepared to study university level topics.

## **BIOLOGY IB HL 2 - 3337**

Grade Level: 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** Biology IB HL1

This is the second level year of the International Baccalaureate Higher Level Biology class. Extensive data analysis and student based research is stressed. Students explore human embryology, evolution, human systems, applied plant and animal biology, and ecology. The IB Higher-level examination is given in May. This course is 2+2 articulated at Delta College and students receiving a B or better receive 5 units of college credit.

## **CHEMISTRY - 3266**

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** Completion of Biology or Agriculture Biology; completion of or enrollment in elementary Algebra.

This course gives students a good foundation in Chemistry with related Earth Science phenomena and Engineering applications. The following topics will be covered: scientific measurements, combustion, conservation of mass and energy, atomic structure and bonding, Coulomb's law, the internal structure of the earth, feedback loops, thermochemistry, periodic table, chemical reactions, stoichiometry, Le Châtelier's law, reaction rates, greenhouse gases, climate change and human effects, solutions, acids and bases, the carbon cycle, resource management, and engineering designs. This course meets all NGSS standards for Chemistry and Engineering Design, and many NGSS standards for Earth and Space Sciences.

## **CHEMISTRY ELL - 3290**

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** Completion of Biology or Agriculture Biology; completion of or enrollment in elementary Algebra.

These courses are designed for students that are English Learners. They cover the same core content as Chemistry, with additional support for English learners. For the ELL course, students should be below the Intermediate level on their CELDT scores. For the SDAIE course, students should be at an Intermediate level or better on their CELDT scores. Topics covered will include lab safety & procedures, matter & its classification, the periodic table, chemical bonding, chemical reactions, states of matter, solutions, acids & bases and atomic structure. This course meets all California State Standards in Chemistry.

## **ENHANCED CHEMISTRY - 3294**

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** Completion of Biology or Enhanced Biology; completion of or enrollment in elementary Algebra.

This course gives students a good foundation in Chemistry with related Earth Science phenomena and Engineering applications. In addition, Enhanced Chemistry provides students with the additional skills and content necessary for additional study in the sciences. The following topics will be covered: scientific measurements, combustion, conservation of mass and energy, atomic structure and bonding, Coulomb's law, the internal structure of the earth, feedback loops, thermochemistry, periodic table, chemical reactions, stoichiometry, Le Châtelier's law, reaction rates, greenhouse gases, climate change and human effects, solutions, acids and bases, the carbon cycle, resource management, and engineering designs. This course meets all NGSS standards for Chemistry and Engineering Design, and many NGSS standards for Earth and Space Sciences.

# Science Courses

## **ENHANCED CHEMISTRY ACAD - 3374**

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** Completion of Biology or Enhanced Biology; completion of or enrollment in elementary Algebra.

This course is equivalent to Enhanced Chemistry (3294), however it is specifically designed with inclusion of agriculture content for students in the Agricultural Scientific Academy in the Science Pathway.

## **CHEMISTRY AG - 3188**

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** C or better in Algebra 1

This course gives students a good foundation in Chemistry with related Earth Science phenomena and Engineering applications. The following topics will be covered: scientific measurements, combustion, conservation of mass and energy, atomic structure and bonding, Coulomb's law, the internal structure of the earth, feedback loops, thermochemistry, periodic table, chemical reactions, stoichiometry, Le Châtelier's law, reaction rates, greenhouse gases, climate change and human effects, solutions, acids and bases, the carbon cycle, resource management, and engineering designs. This course also provides an opportunity and expectation for student's participation in the National FFA organization including FFA participation and a Supervised Agriculture Experience Project. This course meets all NGSS standards for Chemistry and Engineering Design, and many NGSS standards for Earth and Space Sciences as well as a variety of agriculture standards and frameworks.

## **CHEMISTRY AG, ACAD - 3189**

Grade Level: 10

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** C or better in Algebra 1

This course is equivalent to Chemistry Ag (3188), however it is specifically for students in the Agricultural Scientific Academy in the FFA Pathway.

## **CHEMISTRY IB SL - 3287**

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** Advanced Chemistry and Algebra 2

This course is the equivalent of first-year college chemistry. The objective is to provide the student with some college level experience in chemistry, and to pass the standard level IB and/or AP examination.

## **PHYSICS - 3330**

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** Completion of Biology or Agriculture Biology; completion of or enrollment in elementary Algebra.

Physics is the study of matter and energy and the interaction between them. Physics is about asking fundamental questions about the world around us, and trying to answer them by observing and experimenting. This course gives students a good foundation in Physics with related Earth Science phenomena and Engineering applications. The following topics will be covered: forces, laws of motion, structures, plate tectonics, momentum, collisions, universal gravity, Kepler's laws, planetary motion, waves, earthquakes, wave technology, the nature of light, optics and light spectra, the big bang theory, electrostatics, electricity and circuits, magnetism and electromagnetic induction, energy, power plants, renewable sources, nuclear radiation and processes, and history of the Earth, stars and the universe. This course meets all NGSS standards for Physics and Engineering Design, and many NGSS standards for Earth and Space Sciences.

# Science Courses

## PHYSICS ELL - 3331

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** Grade of C or better in Biology ELL and identification as English Learner

This course is designed for English Learners. It covers the same core content as Physics, with additional support for English Learners. Physics is the study of matter and energy and the interaction between them. Physics is about asking fundamental questions about the world around us, and trying to answer them by observing and experimenting. This course gives students a good foundation in Physics with related Earth Science phenomena and Engineering applications. The following topics will be covered: forces, laws of motion, structures, plate tectonics, momentum, collisions, universal gravity, Kepler's laws, planetary motion, waves, earthquakes, wave technology, the nature of light, optics and light spectra, the big bang theory, electrostatics, electricity and circuits, magnetism and electromagnetic induction, energy, power plants, renewable sources, nuclear radiation and processes, and history of the Earth, stars and the universe. This course meets all NGSS standards for Physics and Engineering Design, and many NGSS standards for Earth and Space Sciences.

## ENHANCED PHYSICS - 3311

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** Completion of Biology or Enhanced Biology; completion of or enrollment in elementary Algebra.

Physics is the study of matter and energy and the interaction between them. Physics is about asking fundamental questions about the world around us, and trying to answer them by observing and experimenting. This course gives students a good foundation in Physics with related Earth Science phenomena and Engineering applications. In addition, Enhanced Physics provides students with the additional skills and content necessary for advanced study in the sciences. The following topics will be covered: forces, laws of motion, structures, plate tectonics, momentum, collisions, universal gravity, Kepler's laws, planetary motion, waves, earthquakes, wave technology, the nature of light, optics and light spectra, the big bang theory, electrostatics, electricity and circuits, magnetism and electromagnetic induction, energy, power plants, renewable sources, nuclear radiation and processes, and history of the Earth, stars and the universe. This course meets all NGSS standards for Physics and Engineering Design, and many NGSS standards for Earth and Space Sciences.

## PHYSICS AG - 3191

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** C or better in Algebra 1

Physics is the study of matter and energy and the interaction between them. Physics is about asking fundamental questions about the world around us, and trying to answer them by observing and experimenting. This course gives students a good foundation in Physics with related Earth Science phenomena and Engineering applications. The following topics will be covered: forces, laws of motion, structures, plate tectonics, momentum, collisions, universal gravity, Kepler's laws, planetary motion, waves, earthquakes, wave technology, the nature of light, optics and light spectra, the big bang theory, electrostatics, electricity and circuits, magnetism and electromagnetic induction, energy, power plants, renewable sources, nuclear radiation and processes, and history of the Earth, stars and the universe. This course also provides an opportunity and expectation for student's participation in the National FFA organization including FFA participation and a Supervised Agriculture Experience Project. This course meets all NGSS standards for Physics and Engineering Design, and many NGSS standards for Earth and Space Sciences as well as a variety of agriculture standards and frameworks.

## PHYSICS IB SL - 3323

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** B or higher in Algebra 2 and teacher recommendation. Recommend concurrent enrollment in Pre-Calculus or higher math course

Physics is the study of matter and energy. Topics covered are: Kinematics, Mechanics, Waves, Thermodynamics, Electricity, Magnetism, Climate Change and two other additional optional topics. This course is foundational piece designed to meet the needs of students that would like to pursue a career in Science, Technology, Engineering, or Math.

## Science *Courses*

### **HUMAN PHYSIOLOGY - 3203**

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** Biology

This course is for those students interested in careers in any field related to health or medicine. While it is NOT an Advanced Placement course, this course uses a college textbook and is taught at the first-year college level. This course includes the study of the human body, its structure and how it functions. The course concentrates on the organ systems making up the human body. Each of the 19 chapters covered in this course includes a lab that is directed toward the anatomy of the organ system being studied and a lab directed toward its physiology. Dissections are a required part of this course. Students need good study and organizational skills, above average reading ability and excellent vocabulary skills.

### **ENVIRONMENTAL SYSTEMS AND SOCIETIES IB SL - 3055**

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: D - Lab Science

**Prerequisite:** Grade of "C" or better in Advanced Biology or Science Classes, and Science teacher recommendation.

The Environmental Systems Course is designed to investigate and describe the characteristics of the natural environment from the standpoint of the common principles which operate in all ecological systems. This class is designed to meet the needs of those students who want to be challenged academically. The course will prepare students for college and/or the International Baccalaureate Diploma or Certificate.

# Social Science *Courses*

## **Ag/Science ADVANCED SOCIAL STUDIES 1 WORLD GEOGRAPHY - 7001**

Grade Level: 9  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: G - Elective  
**Prerequisite:** Acceptance into the Ag/Science Academy

This course is a problem based thematic program for ninth graders entering the Ag/Science Academy. This course will explore how to use geography as a tool to better understand the world in which we live. This course will follow the 18 Geography Standards, which can be viewed on the National Geographic web site. This course continues to use previously learned geography skills from middle school. This course is designed to offer students adequate rigor and challenge to participate in the IB program.

## **WORLD HISTORY - 7103**

Grade Level: 10  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: A - History  
**Prerequisite:** None

World History is a 10th grade graduation requirement that examines the critical events, trends, government, economics, religious, philosophical movements, and technological advances that effect the course of Western, as well as Middle Eastern, Asian, African and Western Hemisphere cultures from the rise of democratic states in the early 1600s to the present era.

## **WORLD HISTORY ELL - 7135**

Grade Level: 10, 11  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: A - History  
**Prerequisite:** Identified as an English Language Learner and teacher recommendation.

English proficient students with an introduction and general overview of the areas, issues, and problems of the modern world since the Renaissance. Sheltered instructional approaches and techniques are used. The course also develops English social science vocabulary and communication skills. Spanish language assistance is available through a bilingual teacher/paraprofessional and instructional materials in Spanish.

## **ADVANCED WORLD HISTORY - 7111**

Grade Level: 10  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: A - History  
**Prerequisite:** Grade C or better in 9th grade Advanced English 9 and teacher recommendation.

World History is a tenth grade graduation requirement. For students who want to take the honors level equivalent to World History. The History of Humanity Pre IB course examines major turning points in the shaping of the modern world during the twentieth century. The course will emphasize the study of three main subject areas: (1) the causes, practices, and effects of war; (2) the rise and rule of single party states; and (3) the Cold War.

## **Ag/Science ADVANCED SOCIAL STUDIES 2 WORLD HISTORY - 7107**

Grade Level: 10  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: A - History  
**Prerequisite:** Completion of Ag/Science Social Studies 1 Pre IB 7001 with a 'C' or better.

This course is an interdisciplinary thematic-based program that fulfills the World History requirements for sophomores entering their second year in the Ag/Science Academy. Reading, writing, listening, and speaking skills are developed as students critically examine major historical movements, themes, and events focusing on interrelated world literature and agricultural scientific-based themes. The units of instruction for this course and the Ag/Science English 2 have common objectives, themes and teaching time frames that promote both cooperative learning and individual student growth. This course is designed to offer students adequate rigor and challenge to participate in the IB program.

# Social Science *Courses*

## **UNITED STATES HISTORY - 7253**

Grade Level: 11  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: A - History  
**Prerequisite:** World History

This course is a required course which builds on the foundation of US History instruction given in 8th grade. The course is an in-depth study of United States history which begins with a review of the nation's beginnings through 1900. Most of the course will emphasize the major turning points of the history of the 20th century, beginning with the Progressive Era and ending at the present time. Emphasis will be on reading, writing, thinking, and speaking skills. The course will emphasize critical thinking skills. Students will consider throughout their study of history, how turning points reflect both continuity and change and relate to their lives. Students will become familiar writing a variety of essay compositions; taking objective tests; the cooperative group learning process; oral activities including presentations, discussion, debate; and their search process.

## **UNITED STATES HISTORY ELL - 7286**

Grade Level: 11-12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: A - History  
**Prerequisite:** Identified as an English Language Learner and teacher recommendation.

This course addresses California State Standards in US History and Geography. It is intended for English Learners who are at the Beginning to Early Advanced levels of English proficiency. The course develops English Social Science vocabulary and communication skills. Spanish language assistance is available through a bilingual teacher/paraprofessional and Spanish language instructional materials. Also, Specially Designed Academic Instruction in English methods are utilized. See US History (7253) for course content description.

## **Ag/Science UNITED STATES HISTORY - 7263**

Grade Level: 11  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: A - History  
**Prerequisite:** Completion of Ag/Science Advanced Social Studies 2 with a 'C' or better.

This course is a required course. It is an in-depth study of United States history which begins with a review of the nation's beginnings through 1900. The course will emphasize the major turning points of the 20<sup>th</sup> century, beginning with the Progressive Era and ending at the present time. Emphasis will be on reading, writing, thinking, and speaking skills. The course will emphasize critical thinking skills. Students will consider throughout their study of history, how turning points reflect both continuity and change and relate to their lives. Students will become familiar writing a variety of essay compositions; taking objective tests; the cooperative group learning process; oral activities including presentations, discussions, debate; and their search process.

## **AMERICAN GOVERNMENT/ECONOMICS – 7381**

Grade Level: 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: A - History or G - Elective  
**Prerequisite:** U.S. History

The course will enable students to fulfill their civic responsibilities, participate in the political process and make informed decisions. A research project is required in either American Government or Economics. The course will include written and oral inquiry, discussion and research and questions and issues raised in a dynamic political world. Economics is a one-semester course that is designed to develop and promote economic literacy and enhance student understanding of the economic problems and institutions of the nation and the world in which we live. The course will enable students to make reasoned decisions on economic issues as participating citizens, workers, consumers, and functioning members of our society. They will add to the economic knowledge and understanding they acquired in World History and U.S. History.

# Social Science *Courses*

## **AMERICAN GOVERNMENT AND ECONOMICS ELL - 7320**

Grade Level: 11-12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: A - History or G - Elective

**Prerequisite:** Identified as an English Learner and teacher recommendation.

This course is a graduation requirement. The American Government portion of the course consists of one semester, which will focus on how national, state and local governments are organized and function. The Economics semester will survey macro and micro economics. Both courses will stress communications and thinking skills, as well as both individual and group work. This course in American Government/Economics provides limited-English proficient students with the same content as American Government/Economics. The course also develops English and Social Science content vocabulary and communication skills. Spanish language assistance is available through a bilingual teacher/paraprofessional and instructional materials written in Spanish.

## **Ag/Science AMERICAN GOVERNMENT AND ECONOMICS - 7301**

Grade Level: 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: A - History or G - Elective

**Prerequisite:** Completion of Ag/Science Advanced Social Studies 2 with a 'C' or better.

This course is designed for the Academy student to improve and broaden their understanding of the interrelation and impact of economic concepts, principles and theories and government regulation on agriculture. It is a one-year course that fulfills the California State Department of Education requirements for American Government and Economics. The course will meet or exceed District specific curriculum objectives and course content in American Government and Economics. A research project related to agriculture, science, career, or college major will be an integral part of the curriculum and will be mandatory for satisfactory course completion.

## **HISTORY OF THE AMERICAS IB HL 1 - 7254**

Grade Level: 11

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: A - History

**Prerequisite:** Grade of C or better in Advanced World History or World History and recommendation of teacher

This course is the first in a series of two courses and is designed for the academically able student who wants the challenge of a course that will prepare them for college and/or the International Baccalaureate (IB) diploma or certificate. The content of the History of the Americas 1 (H) class differs from our regular program in that it emphasizes the history of 18<sup>th</sup> and 19<sup>th</sup> century. Twentieth century history is covered in the senior year. Beside the study of U.S. History, a broad comparative approach is used to explore the history of Latin America. Students learn the same skills as those students in the regular program, but there is more emphasis on essay tests, writing a variety of essay compositions, the term paper writing process, and delivering extemporaneous and prepared oral presentations. History of the Americas 1 (H) fulfills Tracy High's 11<sup>th</sup> grade graduation requirement for social studies. Because the course is designated an honors class (H) and is usually taken in the last two years of high school, the University of California gives the course extra weight in computing grade-point average for admission to UC schools, if grade earned is a C or better.

# Social Science *Courses*

## **HISTORY OF THE AMERICAS IB HL 2 - 7355**

Grade Level: 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: A - History

**Prerequisite:** "C" or better in History of the Americas IB HL1 and/or recommendations from teachers

This course is the second in a series of two courses designed for academically able students who want the challenge of a class that will prepare them for college and/or desire IB credit. The course explores the 20th Century history of the nations of the Western Hemisphere and 20th Century global problems in a comparative political, social, economic and cultural context. Each student will do independent research on a topic of his/her choice, present and defend research findings orally and complete a written research project. Because the course is designated an honors class (H) and is usually taken in the last two years of high school, the University of California gives the course extra weight in computing the grade-point average for admission to UC schools, if grade earned is C or better.

## **INTRODUCTION TO PSYCHOLOGY - 7340**

Grade Level: 11, 12

Course Length: 1 Year

Credit: 10 credits

UC/CSU Category: G - Elective

**Prerequisite:** None

This course is offered to Juniors and Seniors. It is a general course designed to give students a broad overview of the different areas of psychology. The central question the course will attempt to answer is why people behave the way they do? Students will explore their own behavior and analyze themselves in terms of the curriculum. Students will take part in interactive lessons, cooperative assignments and class discussions. This class serves as good base for students who plan to take psychology in college.

## **HISTORY OF THE AMERICAS IB HL 2 - 7355**

Grade Level: 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: A - History

**Prerequisite:** "C" or better in History of the Americas IB HL1 and/or recommendations from teachers

This course is the second in a series of two courses designed for academically able students who want the challenge of a class that will prepare them for college and/or desire IB credit. The course explores the 20th Century history of the nations of the Western Hemisphere and 20th Century global problems in a comparative political, social, economic and cultural context. Each student will do independent research on a topic of his/her choice, present and defend research findings orally and complete a written research project. Because the course is designated an honors class (H) and is usually taken in the last two years of high school, the University of California gives the course extra weight in computing the grade-point average for admission to UC schools, if grade earned is C or better.

## **INTRODUCTION TO PSYCHOLOGY - 7340**

Grade Level: 11, 12

Course Length: 1 Year

Credit: 10 credits

UC/CSU Category: G - Elective

**Prerequisite:** None

This course is offered to Juniors and Seniors. It is a general course designed to give students a broad overview of the different areas of psychology. The central question the course will attempt to answer is why people behave the way they do? Students will explore their own behavior and analyze themselves in terms of the curriculum. Students will take part in interactive lessons, cooperative assignments and class discussions. This class serves as good base for students who plan to take psychology in college.

## **PSYCHOLOGY IB SL - 7351**

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: G - Elective

**Prerequisite:** None

This course is designed to give students a broad overview of the different areas of psychology. The central question the course will attempt to answer is why people behave the way they do? Students will explore their own behavior and analyze themselves in terms of the curriculum. Students will take part in interactive lessons, cooperative assignments and class discussions. This class serves as good base for students who plan to take psychology in college.

# Social Science *Courses*

## **ETHNIC STUDIES - 1364**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: G

**Prerequisite:** None

Ethnic Studies is an interdisciplinary academic subject, focusing on four core disciplines: American Indian/Native American Studies, African-American Studies, Latinx/Chicanx Studies, and Asian American Studies (including South Asian, Central Asian, and Arab-American Studies). This course uses a thematic approach to engage students in documenting the experiences of people in the students' local and regional communities, to construct a more complex understanding of the human experience. Through Ethnic Studies, students develop respect for cultural diversity and see the advantages of inclusion (Source: [CA ES Model Curriculum or ESMC](#)). Ethnic studies is a vehicle for curriculum transformation and change that will enable students to view events and issues from multiple perspectives, to critically examine structures such as institutionalized racism and inequalities, and to take action to make their communities, nation and world more just and equitable. (Source: Transforming Ethnic Studies in Schools: Curriculum, Pedagogy, and Research by Sleeter and Zavala)

## **PHILOSOPHY IB SL - 7357**

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: G - Elective

**Prerequisite:** None

This course is designed for academically able students who want the challenge of a course that will prepare them for college and/or the International Baccalaureate diploma or certificate. Philosophy deals with issues that are profound, complex, challenging and important for humanity. Through the examination of themes and texts, the philosophy course allows students to explore fundamental questions that people have asked throughout human history: What is it to be a human being? How do I know what is the right thing to do? For IB diploma candidates, this course will qualify as a 6<sup>th</sup> subject exam. Major topics of study may include: how an individual's identity is shaped; interactions between various societies (e.g. through forced migration, globalization, etc.); how societies are organized through gender roles, marriage, and families; and how societies interact with and transform their environment.

## **SOCIAL AND CULTURAL ANTHROPOLOGY IB SL- 1235**

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: G - Elective

**Prerequisite:** None

This course offers an opportunity for students to explore and understand humankind in all its diversity through the comparative study of culture and human societies. It will offer IB honors credit. In studying this course, students will come to appreciate how anthropology as a discipline contributes to an understanding of contemporary issues, such as war and conflict, the environment, poverty, injustice, inequality and human and cultural rights. The study of social and cultural anthropology offers critical insight into the continuities as well as dynamics of social change and the development of societies, and challenges cultural assumptions.

## **THEORY OF KNOWLEDGE IB (H) - 11th = 7287**

Grade Level: 11<sup>th</sup> Grade - MWF

Course Length: 150-200 hours (over two years)

Credit: 10 credits TOK 11 = 6 credits

UC/CSU Category: G - Elective

**Prerequisite:** Teacher recommendation

This course is a two-year course which is conceived as the integrating hub of the International Baccalaureate (IB) program. It is designed to provide students with an introduction to the practical and philosophical problems surrounding knowledge and knowing. Because the course is designated an honors class, the University of California gives the course extra weight in computing the grade point average for admission to U.C. schools, if grade earned is a C or better.

## **THEORY OF KNOWLEDGE IB (H) 12th = 7384**

Grade Level: 12<sup>th</sup> Grade - T Th

Course Length: 150-200 hours (over two years)

Credit: 4 credits

UC/CSU Category: G - Elective

**Prerequisite:** Teacher recommendation

This course is a two-year course which is conceived as the integrating hub of the International Baccalaureate (IB) program. It is designed to provide students with an introduction to the practical and philosophical problems surrounding knowledge and knowing. Because the course is designated an honors class, the University of California gives the course extra weight in computing the grade point average for admission to U.C. schools, if grade earned is a C or better.

# Physical Education *Courses*

## **THS CORE 9 PE - 9012**

Grade Level: 9  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: NONE  
**Prerequisite:** None

Core 9, Freshman Physical Education course is designed to introduce 9<sup>th</sup> grade students to various physical activities and individual sports while promoting overall health and fitness.

## **PERSONAL FITNESS - 9102**

Grade Level: 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: NONE  
**Prerequisite:** Completion of THS Core 9 PE with a C or better.

Personal Fitness is a comprehensive high school course designed to promote physical health, wellness, and fitness among students. This course emphasizes the development of lifelong fitness habits and provides students with the knowledge and skills necessary to make informed decisions about their personal health. Students will engage in a variety of physical activities and learn about nutrition, exercise, and overall well-being for their own personal fitness goals.

## **LIFETIME WELLNESS AND FITNESS - 9011**

Grade Level: 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: NONE  
**Prerequisite:** THS Core 9 PE

The Lifetime Wellness & Fitness course is designed to empower high school students with the knowledge, skills, and motivation to lead healthy, active lives. Through a holistic approach, this course covers various aspects of physical and mental well-being, equipping students with tools for lifelong health and fitness. The curriculum includes a combination of classroom learning, practical exercises, and real-world applications, fostering a strong foundation in overall wellness.

## **TEAM SPORTS - 9417**

GRADE LEVEL: 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: NONE  
**Prerequisite:** THS Core 9 PE

Team Sports is a comprehensive course designed to introduce students to a variety of team-based athletic activities, with a focus on developing fundamental skills, enhancing physical fitness, fostering teamwork, and promoting a lifelong appreciation for sports and physical activity. This course aims to provide students with the knowledge and skills necessary to participate confidently and competently in a range of team sports.

## **TEAM SPORTS FOR ATHLETES - 9416**

GRADE LEVEL: 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: NONE  
**Prerequisite:** THS Core 9 PE and Proof of participation on Athletics for KHS/THS/WHS team (proof provided by Athletic Director and/or Family ID)

Team Sports is a comprehensive course designed to introduce athletes to a variety of team-based athletic activities, with a focus on developing fundamental skills, enhancing physical fitness, fostering teamwork, and promoting a lifelong appreciation for sports and physical activity. This course aims to provide athletes with the knowledge and skills necessary to participate confidently and competently in a range of team sports.

## **THS WEIGHT TRAINING - 9415**

GRADE LEVEL: 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: NONE  
**Prerequisite:** Completion of THS Core 9 PE with a C or better.

This high school weight training course is designed to educate students about the fundamentals of resistance training, exercise physiology, and overall physical fitness. Through a combination of practical workouts and classroom instruction, students will develop a strong foundation in strength training techniques, workout programming, and the importance of a healthy lifestyle.

## Physical Education *Courses Continued*

### **THS WEIGHT TRAINING FOR ATHLETES - 9410**

GRADE LEVEL: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite:** THS Core 9 PE and Proof of participation on Athletics for KHS/THS/WHS team (proof provided by Athletic Director and/or Family ID)

This high school weight training course is designed to educate athletes about the fundamentals of resistance training, exercise physiology, and overall physical fitness. Through a combination of practical workouts and classroom instruction, athletes will develop a solid foundation in strength training techniques, workout programming, and the importance of a healthy lifestyle.

## Visual & Performing Arts *Courses*

### **GRAPHIC ARTS 1 - 6030**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: F - Visual Performing Arts

**Prerequisite:** None

Graphic Arts 1 is a digital art class where you will learn the study of art theory concepts such as the elements of art, principles of design, typography, composition, and color theory through a graphic design lens. The industry standard tools of Adobe Photoshop and Illustrator will be used in addition to traditional materials. You will learn to edit and adjust photographs, create original photo manipulations, original illustrations, and commercial art through the use of digital cameras, scanners, and digital drawing tablets in this project-based class. Projects may include: movie poster design, vector illustration, logo design, advertisements, digital painting, typographic designs, and photo compositing. This course is open to any student interested in learning about digital art and graphic design.

### **ART & DESIGN - 6003**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: F - Visual Performing Arts

**Prerequisite:** None

This studio-based course is accepting of all art levels and abilities. Students will be introduced to the elements of art and acquire basic art vocabulary through projects and assignments using a variety of media and a sequenced approach to instruction. Student projects may include drawing, painting, printmaking, and sculpture.

### **ADVANCED ART - 6008**

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: F - Visual Performing Arts

**Prerequisite:** Art & Design or teacher approval

This course is designed for students who have successfully completed Introduction to Art. It applies the elements and principles of art, through a variety of medias, with two and three dimensional projects. Various artists, art movements and art cultural themes are studied during the year. Careers in art and art programs in higher education institutions will be explored.

### **ADVANCED ART 3 - 6005**

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: F - Visual Performing Arts

**Prerequisite:** Art & Design and Advanced Art, or teacher approval

This course is designed for students who have successfully completed Art and Design and Advanced Art. Advanced Art is for students interested in majoring in art, an art related major or career; or the student with specific art interests to be investigated. Careers in art and art programs in higher education institutions will be explored.

# Visual & Performing Arts *Courses*

## **ADVANCED ART 4 - 6006**

Grade Level: 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: F - Visual Performing Arts  
**Prerequisite:** Art & Design and Advanced Art, or teacher approval

This course is designed for students who have successfully completed Art and Design and Intermediate Art. Advanced Art is for students interested in majoring in art, an art related major or career; or the student with specific art interests to be investigated. Careers in art and art programs in higher education institutions will be explored.

## **FILM STUDIES - 6035**

Grade Level: 9, 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: F - Visual Performing Arts  
**Prerequisite:** None

This course is an introduction to the study of film as an art form. Students will gain an appreciation of the history of film and an understanding of this ever-evolving art form. Students will study the history of movies, cinematography, composition, editing, sound, film genre, acting and directing. All concepts will be illustrated through film clips, comprising scenes from over 100 different movies. Throughout the course students will demonstrate their understanding of cinematography and film making through hands on projects including short collaborative, student made films.

## **DRAMA 1 - 6042**

Grade Level: 9, 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: F - Visual Performing Arts  
**Prerequisite:** None

This course is designed to give the students a survey of theater. Emphasis is placed on developing basic acting and improvisation skills, through playwriting. Theater history, Tech Theater, and careers in theater are also covered. Units include: creative dramatics, monologue, duet acting, Shakespeare, and pantomime.

## **ADVANCED DRAMA - 6053**

Grade Level: 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: F - Visual Performing Arts  
**Prerequisite:** Grade C or better in Drama 1 or teacher approval

This course is designed to give the advanced drama student additional challenging experiences in acting and directing. Over the year, this class will introduce dialect, study drama of various cultures and do advanced work in Shakespeare and American drama. This course offers experience in set design, costuming, directing other students, further audition techniques and developing an actor's portfolio and director's promptbook.

## **TECHNICAL THEATER - 3067**

Grade Level: 10-12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: NONE  
**Prerequisite:** Grade C or better in Drama 1 or teacher approval

This course will introduce students to the technical needs in theatrical production, as well as career options. Students enrolled in this course will be exposed to stage and set design, lighting and sound design, costume design, design history, stage management, theatre management, and publicity. Students' work will be showcased formally in school productions throughout the year.

## **MARCHING BAND - 6073**

Grade Level: 9, 10, 11, 12  
Course Length: 1 year  
Credit: 5 (Mon-Fri); 3 (Mon-Wed-Fri); 2 (Tues/Thurs)  
UC/CSU Category: NONE  
**Prerequisite:** Teacher approval

This course is offered at three levels of participation and credit. This is a course in musicianship and artistic training for students wishing to participate in marching band activities.

# Visual & Performing Arts *Courses*

## **JAZZ BAND - 6113**

Grade Level: 9, 10, 11, 12  
Credit: 5 (Mon-Fri); 3 (Mon-Wed-Fri); 2 (Tues/Thurs)  
Course Length: 1 semester  
UC/CSU Category: F - Visual Performing Arts  
**Prerequisite:** Audition and Teacher approval

This course is offered at three levels of participation and credit during 7<sup>th</sup> period for one semester. This is a selected group of musicians interested in learning and playing jazz styles. They perform regularly and participate in festivals during the year. Membership is limited to strict instrumentation and members must have the approval of the instructor.

## **CONCERT BAND - 6090**

Grade Level: 9  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: F - Visual Performing Arts  
**Prerequisite:** None

This band course will be mainly comprised of freshmen or first-year players. The class will have the components of marching band, pep-band and concert band. Students will play music of varying styles and time periods. Throughout the year, students will be expected to attend co-curricular performances/rehearsals outside of school. Instrumental and musical fundamentals will be reviewed. This course has a lab fee of \$50 for outside academic activities.

## **SYMPHONIC BAND - 6093**

Grade Level: 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: F - Visual Performing Arts  
**Prerequisite:** Concert Band and teacher approval

This band course will be comprised of advanced musicians who have met an advanced standard on their primary instrument. The class will be comprised of three sections: marching band, pep band and concert band. Throughout the year, we will explore varying styles and difficulties of music. Instrumental and musical techniques will be discussed on an advanced level. Students are expected to attend co-curricular performances outside of school. This course has a lab fee of \$50 for outside academic activities.

## **ORCHESTRA - 6103**

Grade Level: 9, 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: F - Visual Performing Arts  
**Prerequisite:** 2 years of previous experience or audition

This is a course in musicianship and artistic training focused on orchestral literature. This class is open to 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> grade students. There will be a continued emphasis on basic skills of instrumental musicianship through a study of appropriate orchestral literature. Music history and theory will also be studied. Students will have the opportunity to perform in small ensembles or as soloists.

## **PIANO KEYBOARD - 6100**

Grade Level: 9, 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: F - Visual Performing Arts  
**Prerequisite:** None

Anyone who wishes to learn to play the piano or to improve their current skills may take this class. Music reading and musicianship skills will be taught. No previous piano experience is necessary. More advanced students will be encouraged to expand their repertoire and to play in performances at the solo/ensemble festival. This course can be repeated for credit, with teacher's permission.

## **ADVANCED PIANO - 6095**

Grade Level: 9, 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: F - Visual Performing Arts  
**Prerequisite:** Piano Keyboard or Teacher Approval

This course builds on the fundamentals provided in its prerequisite. The class will offer opportunities for advanced performance and technical knowledge. In keeping with the California Standards for Music Education, the course will explore the development of the instrument and the historical scope of its literature. In addition, students will study special units in jazz, composition and MIDI music.

# Visual & Performing Arts *Courses*

## **PIANO ACCOMPANIST - 6099**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite:** Audition and Teacher Approval

This course provides advanced piano students an opportunity to accompany major musical ensembles, smaller musical ensembles, and soloists during practice sessions, public performances, and music festivals. As students study the elements of music, music theory, and music history, emphasis is placed on artistic perception, creative expression, historical and cultural context, and aesthetic valuing.

## **CONCERT CHOIR - 6143**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: F - Visual Performing Arts

**Prerequisite:** None

Students will develop proper individual vocal and ensemble singing techniques. This is a class for those with some previous singing experience. They will rehearse and perform music of varied styles and periods. They will also gain an understanding of basic musical notation. Singers will be required to represent the school in concert performances. Students can receive credit for 4 years in this class.

# Modern Language *Courses*

## **SPANISH 1 - 4033**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: E - Language

**Prerequisite:** English teacher recommendation.

Spanish I is a college preparatory class and one of two alternatives (Fine Arts is the other alternative) to meet high school graduation requirements. The first year course stresses communication and interpersonal relationships in meaningful cultural contexts. Students will learn to speak about themselves, their families and their preferences. They will be given frequent opportunities to express themselves both orally and in writing. Students will read simple passages in the target language. The class will be taught mostly in the target language. \*Daily attendance is necessary for students to be successful in a foreign language.

## **SPANISH 2**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: E - Language

**Prerequisite:** Grade "C" or Higher in Spanish 1 and teacher recommendation

Upon entering this class, a student must be able to comprehend and accurately utilize material covered in level I. Students will continue to learn how to communicate and be able to talk about past events as well as their future plans. As their vocabulary skills grow, they will apply them in a variety of conversational and cultural situations. A student should be able to comprehend short readings in the target language. Oral and written skills will be expanded. Students should expect to be assigned daily homework. Strong study skills, self discipline and daily attendance are necessary. The class will be taught mostly in the target language.

## **SPANISH HL 1 - 4273**

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: E - Language

**Prerequisite:** A grade of "C" or better in Spanish 2 and teacher recommendation

Students at this level should be able to comprehend advanced material. In speaking, the students should be able to discuss topics beyond basic needs. Vocabulary at this point should greatly increase.

## **SPANISH HL 2 - 4383**

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: E - Language

**Prerequisite:** A grade of "C" or better in Spanish HL 1 and teacher recommendation

Students at this level should be able to comprehend at a more advanced level. Control of frequently used grammar forms should be present. The student should be able to converse on a variety of topics including everyday situations, current events, job-related information, and subject matter encountered in reading assignments.

## **SPANISH 5 - 4393;**

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: E - Language

**Prerequisite:** A grade of "C" or better in Modern Language 4 and teacher recommendation

Students in this class work on independent projects which will continue to develop their language skills. This will not be a separate class but combined with another language level.

## **SPANISH 1/SPANISH SPEAKERS - 4103**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: E - Language

**Prerequisite:** Native Spanish speaker; English teacher recommendation

This course addresses the Spanish language arts needs of native Spanish speakers. Spelling, grammar, vocabulary development, critical thinking and study skills are reviewed and studied. Techniques for reading different genres of Hispanic literature are presented. The course also includes units on Hispanic cultures. Emphasis is placed on building a good foundation in Spanish language skills that will enable the student to become bi-literate and successful in advanced Spanish courses.

# Modern Language *Courses*

## **SPANISH 2/SPANISH SPEAKERS - 4053**

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: E - Language

**Prerequisite:** A grade of "C" or higher in Spanish for Native Speakers 1 or teacher recommendation

Spanish for Native Speakers 2 expands on the Spanish Language Arts skills presented in Spanish for Native Speakers

1. Advanced grammar, writing listening and speaking skills are developed. Also core readings from Hispanic literature and experiences form the basis of the course. Spanish speakers are prepared for advanced IB Spanish courses. All instruction is in Spanish.

## **AMERICAN SIGN LANGUAGE 1**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: E - Language

ASL 1, students will be introduced to the basics of American Sign Language (ASL). Students will learn to communicate in ASL without speaking. Students will be introduced to ASL grammar, facial expressions, basic fingerspelling, and numbers 1-100. Additionally, students will learn basic introductions, family signs, days of the week, daily activities, and how to identify and describe people. The course also covers real-world spatial relations and signer's perspective, as well as techniques for improving eye-contact for effective communication in ASL. Students will engage in a variety of activities, including group discussions, presentations, and signing assignments. This course satisfies 1 unit of the World Languages requirement at the University of California and California State University. ASL is a valuable language to learn for those interested in working with the Deaf community, in fields such as education, interpreting, and social work.

## **TAMIL LANGUAGE COURSES - INSTRUCTED BY CALIFORNIA TAMIL ACADEMY**

Outside World Language Programs/Schools

State Law and TUSD Board Policy allows the school and district to grant high school credit for world language courses taken in private language programs and schools outside the school. Listed below are the programs that have current approval for students to receive outside world language credit. Please note that these programs are not endorsed by the school or district, and that students who participate in outside world language courses are responsible for any costs related to taking these courses. Upon completion of these courses, students must submit a form and a transcript from the organization to request for the course to be added to their TUSD transcript.

Courses Titles:

Tamil 1	Course Code 4000
Tamil 2	Course Code 4001
Tamil 3	Course Code 4002
Tamil 4	Course Code 4003

Additional Information:

**Tracy Tamil Thulir:** [milacademy.org/TracyTamilThulir.html](http://milacademy.org/TracyTamilThulir.html) is part of the International Tamil Academy (formerly the California Tamil Academy).

**Aram Tamil School:** is part of the International Tamil Academy (formerly the California Tamil Academy) - Mountain House.

**Viludhugal Tamil School:** is part of the American Tamil Academy.

Please complete the TUSD Enrollment Form located on the Counseling webpage under Transcripts and Forms.

# Agriculture *Courses*

*FFA participation is required in all Agriculture classes and is considered a part of each student's grade.*

## **SHOP SKILLS 1 - 5313**

Grade Level: 9, 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: G - Elective  
**Prerequisite:** None

This course is an introductory shop class designed to meet the needs of those students who wish to enhance their mechanical skills in a number of areas. Students will build projects in each of the areas to learn and demonstrate their skills.

## **SHOP SKILLS 2 - 5314**

Grade Level: 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: G - Elective  
**Prerequisite:** Completion of Shop Skills 1

This course is a continuation of Shop Skills I. It is designed to meet the needs of those students who wish to continue to enhance their mechanical skills in a number of areas. In addition, it will prepare students to enter into advanced classes at a higher skill level. Students will build projects in each of the areas to learn and demonstrate their skills.

## **AG WELDING (1 hour) - 5363**

Grade Level: 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: G - Elective  
**Prerequisite:** None

This course covers safety, tools, arc welding, MIG Welding, TIG Welding, acetylene welding, brazing, acetylene cutting, and metal working. As students become proficient, they will construct projects which include welding skills. Can be taken a 2<sup>nd</sup> year with students involved in construction projects. 2 + 2 Articulation with Modesto Junior College and San Joaquin Delta College.

## **WOOD 1 - 5103**

Grade Level: 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: G - Elective  
**Prerequisite:** None

This course introduces the student to hand and power tool safety. They are expected to build and pay for projects of their choice in using all equipment. A textbook is used as a basis of instruction.

## **FORESTRY AND WILDLIFE - 3114**

Grade Level: 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: G - Elective  
**Prerequisite:** None

This course covers all the major areas of forestry and wildlife. Units covered are: forest management, forest conservation, tree identification, lumber identification, history of abuse and depletion of wildlife, extinction, habit requirements, wildlife identification, and other related topics.

## **SMALL ANIMALS AND HORSES - 5331**

Grade Level: 9, 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: G - Elective  
**Prerequisite:** None

This course covers the care and management of laboratory animals. Rats, reptiles, dogs, cats, guinea pigs, hamsters, mice and rabbits are studied with limited handling experiences provided. The horse section covers the care and management of horses. Breeds of horses, horse selection, horse tack, equipment, and facilities are also part of this course.

## **MEAT PROCESSING (2 hour) - 5393**

Grade Level: 11, 12  
Course Length: 1 year  
Credit: 20 credits  
UC/CSU Category: NONE  
**Prerequisite:** None

Meat processing techniques include slaughtering, meat cutting, wrapping, meat curing, sausage making, and use of meat processing tools. Beef, pork, and lamb are actually processed by students to gain the skills needed for employment. (ROP classes can be taken 2 consecutive years for credit.)

# Agriculture *Courses*

*FFA participation is required in all Agriculture classes and is considered a part of each student's grade.*

## **VETERINARY SCIENCE - 3110**

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: G - Elective

**Prerequisite:** Biology, Algebra 1, or teacher recommendation .

This course will introduce the knowledge and skills needed to pursue further training as an animal health technician. This course will combine a strong academic curriculum with ample hands-on experience. The student will gain a working knowledge of animal behavior, handling and restraint, nutrition and disease. Labs include bacteriology, parasitology, urinalysis, fecal analysis and dissection. Both small and large animal species will be studied.

## **ADVANCED VETERINARY SCIENCE - 3116**

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: G - Elective

**Prerequisite:** Completion of Veterinary Science

Advanced Veterinary Science is a course designed to provide students an applied scientific study in animals and veterinary care with a focus on laboratory science skills. This course focuses on the application of animal anatomical and physiological knowledge to the maintenance and improvement of animal health to include: clinical diagnosis of disease and parasites, administration of medications, emergency medicine, and common surgical procedures. Biological applications will include studies in cells, genetics, body systems, evolution, and ecology as they pertain to the animal/veterinary field. Each unit includes a clinical practice component to put the knowledge learned into a real veterinary clinical situation. Veterinary Science courses impart information about the causes, diagnosis, and treatment of diseases and injuries of animals, typically emphasizing domestic and farm animals. Course topics focus on anatomy and physiology, nutrition, behavior, and reproduction, sanitation, use of veterinary supplies and equipment, and important procedures needed in emergency medicine.

## **FLORAL DESIGN ART HISTORY - 3521**

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: F - Visual Performing Arts

**Prerequisite:** None

The Art and History of Floral Design provides an Introduction to artistic and creative perception including aesthetic valuing through a series of projects in various media including tempera, pencil, flowers, tile, and a variety of papers. Students are also introduced to the elements and principles of visual art design such as line, shape/form, color, balance, and emphasis using a series of floral-based projects to explore the connections, relations, and application to visual arts design. Students will research and study floral trends to understand and develop an appreciation for floral design within historical and cultural, formal and casual, ceremonial and traditional, including an understanding that floral designs are affected by society, culture, history, politics, and economic influence. Various assignments based on abstract two and three dimensional designs, historical culture and theory, color theory, and analytical critiques of various floral art works using design vocabulary in conjunction with development of technical skills in floral art will serve as a foundation for more complex works such as multi-part floral designs and creative expression through wedding consultations.

## **FLORICULTURE ADVANCED - 3520**

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: F - Visual Performing Arts

**Prerequisite:** None

This course will train students in: Floral Design, Marketing, Display, Preparation, Sales, Employability Skills, Floral Identification, Cut Flower Production, Floral Career Opportunities Program projects will be marketed on campus and in the community. Students will learn leadership and record keeping through FFA and SAE projects.

# Career Technical Education *Courses*

## **CHILD DEVELOPMENT - 5450**

Grade Level: 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: G - Elective  
**Prerequisite:** None

This is an exploratory course for the Education, Child Development, and Family Services sector's Child Development pathway. The primary goal of Child Development is to offer comprehensive learning by encouraging critical thinking, decision-making, organizational skills, management skills, and showing relevance to day-to-day life. Topics covered include relationships, child development theorist, prenatal development and care, birth, parenting, physical, social, emotional & cognitive development of infants to preschool age, nutrition and careers related to child development. This course meets the needs for graduation elective credits for students and feeds directly into the CTE Child Care class that offers real world experience to students. The number of students taking the course and moving on to CTE Child Care is collected each year.

## **CHILD DEVELOPMENT II - 5541**

Grade Level: 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: G - Elective  
**Prerequisite:** Child Development

Students taking Child Development II will develop a positive understanding of children's growth and development as well as an in-depth understanding of the responsibilities of parenting a child. The importance of families throughout a child's development, the critical role of play in a child's education and the value of guiding a child's behavior will also be emphasized. Exploration of the variety of childcare programs and career opportunities in our community as well as current issues and trends facing early childhood education will also be investigated. Child Development II is a great foundation for students interested in nursing, teaching, psychology, sociology, health, medicine, and human development.

## **CHILD CARE CAREERS W/CHILDREN INTERMEDIATE (2 hour) - 5400**

Grade Level: 11th or 12th grade or 16 years old  
Course Length: 1 year  
Credit: 20 credits  
UC/CSU Category: G - Elective  
**Prerequisite:** Child Development and Teacher approval is desirable

This Capstone 2-hour course prepares students for employment in the care and guidance of young children under the supervision of professional personnel. Instruction includes child and growth and development; nutrition: program planning and management; health and safety including being CPR Certified in Infant, Child Adult; guidance; recreational and play activities; child abuse and neglect; developmentally appropriate practice; Interpersonal relationships; regulations; operational procedures; emergency and disaster procedures; polices, standards and licensing; supervision and maintenance of children's environments; professionalism; and classroom management. Students will lesson plan, prepare activities to implement at chosen Community Classroom (Worksite). Students will also participate in HIRE Me First Certification Program. **\*\*All students placed at Worksites must provide proof of TB clearance as per state licensing requirements.** The objective of this course is to prepare students to pursue a career in the field of child care and development for infants, toddlers, and young children. Students study child growth and development, safety and emergency procedures, nutrition and health practices, positive interaction and guidance techniques, learning theories, and developmentally appropriate practices and curriculum activities. Students apply this knowledge in a variety of early childhood programs, such as child development laboratories, public and private preschools, family day-care settings, and recreational facilities. Students completing the program may apply for the Child Development Assistant Permit from the California Commission on Teacher Credentialing.

# Career Technical Education *Courses*

## **CHILD CARE ADVANCED (2 hour) - 5410**

Grade Level: 12

Course Length: 1 year

Credit: 20 credits

UC/CSU Category: G - Elective

**Prerequisite:** Child Care Careers w/Children Intern.

This is a 2-hour course for students who have already taken the Child Care Careers with Children 2-hour course their junior year. This course further prepares students for employment in the care and guidance of young children under the supervision of professional personnel. Instruction includes child and growth and development; nutrition: program planning and management; health and safety including being CPR Certified in Infant, Child Adult; guidance; recreational and play activities; child abuse and neglect; developmentally appropriate practice; interpersonal relationships; regulations; operational 'procedures; emergency and disaster procedures; polices, standards and licensing; supervision and maintenance of children's environments; professionalism; and classroom management. Students will lesson plan, prepare activities to implement at chosen Community Classroom (Worksite). Students will also participate in HIRE Me First Certification Program. **\*\*All students placed at Worksites must provide proof of TB clearance as per state licensing requirements.**

The objective of this course is to prepare students to pursue a career in the field of child care and development for infants, toddlers, and young children. Students study child growth and development, safety and emergency procedures, nutrition and health practices, positive interaction and guidance techniques, learning theories, and developmentally appropriate practices and curriculum activities. Students apply this knowledge in a variety of early childhood programs, such as child development laboratories, public and private preschools, family day-care settings, and recreational facilities. Students completing the program may apply for the Child Development Assistant Permit from the California Commission on Teacher Credentialing.

## **CULINARY AND HOSPITALITY - 5505**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite:** None

This course is for students interested in completing the Culinary Arts and Hospitality Pathway. Students will practice hospitality and culinary arts through academic and hands on projects. This is a beginning level course, designed to teach nutrition value, food, and restaurant cost analysis, cooking labs, and teamwork skills. The course will also have an emphasis on reading recipes, measuring, and food preparation. Basic food science, kitchen safety and sanitation, and proper use of kitchen equipment will be covered as well. This course is based on the California CTE Model Curriculum Standards for the Food Service and Hospitality pathway that coincide with classroom activities and experiences. Practical experience in cooking, baking, and related restaurant functions are also a key focus in this course. Students completing this program will have opportunities to earn their Food Handler's certification and CPR and First Aid certification. Upon completion, students will transition to Advanced Culinary Arts.

## **ADV CULINARY ARTS AND HOSPITALITY - 5504**

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite:** Culinary Arts

This course is for students who have completed Introduction to Culinary Arts and are interested completing the Culinary Arts and Hospitality Pathway, Food Education and Service Training (F.E.A.S.T). This course builds upon skills acquired in Introductions to Culinary Arts, responsibilities, and skills needed to continue in the pathway. Students continue practicing hospitality and culinary arts through academic and hands on experience opportunities. This is an advanced level course, which is designed to introduce students to nutrition value, budgeting, cooking labs, and teamwork skills. The course will also have an emphasis on reading recipes, measuring accuracy, and food preparation. Basic food science, kitchen safety and sanitation, and proper use of kitchen equipment will be covered as well. There is also a broad range of curriculum based learning that coincides with the classroom activities and experiences. Practical experience in cooking, baking, and related restaurant functions are also key focuses in this course. Students completing this program will have opportunities for Food Handler's certification and CPR and First Aid certification. Upon completion, students will be eligible for the F.E.A.S.T. program.

# Career Technical Education *Courses*

## **FEAST (2 hour) - 5563**

Grade Level: 11, 12  
Course Length: 1 year  
Credit: 20 credits  
UC/CSU Category: NONE

**Prerequisite:** FEAST 1 and teacher approval

FEAST- Food Education Service Training Program is a 2-hour CTE program for high school Juniors and Seniors. This program is designed to equip students with essential culinary skills, food safety knowledge, and hands-on experience in a food service environment. In this program, students will participate in Food-handlers and CPR training to earn a certification to prepare them for entry level positions in food service. Students have an opportunity to do firsthand training in a restaurant environment along with developing a FEAST menu, cost of items, and inventory. Throughout the year students will also do several types of catering Events.

## **AUTO MECHANICS - 5043**

Grade Level: 10, 11, 12  
Course Length: 1 year  
Credit: 10 credits  
UC/CSU Category: G - Elective

**Prerequisite:** None

Basic instruction in the principles of internal combustion engines and the transmission of power, as applied to the automobile, fundamental operation of the automobile mechanisms, automobile maintenance, automotive accessories, related technical and occupational information, and common repairs. This class offers a foundation towards passing ASE Certification (A4 Suspension and Steering, A5 Brake Systems, A6 Electrical/Electronic, and A8 Engine Performance).

## **AUTO TECH (2 HOUR) - 5253**

Grade Level: 11, 12  
Course Length: 1 or 2 years  
Credit: 20 credits  
UC/CSU Category: G - Elective

**Prerequisite:** Grade of C or better in Auto Mechanics 1 or teacher approval.

In-depth theory and practical application are the mainstays of this advanced class. Students become aware of the Importance of diagnosing, troubleshooting, and repairing automotive components. *This course is 2 + 2 articulated with Delta College. Also articulated with Los Positas College. (Auto 62, Auto 63, and Auto 64). Students can earn up to nine units of Delta College credits (Units may also be transferred to four year Universities that are 2 + 2 + 2 articulated with Delta College).*

## **INTRO FIRE SERVICE - 3101**

Grade Level: 9, 10, 11, 12  
Course Length: 1year  
Credit: 10 credits  
UC/CSU Category: G - Elective

**Prerequisite:** None

The Introduction to Fire Service class will offer a basic overview Introduction to Fire Service Class coursework will prepare students for a number of careers in the Fire Service field. Class offerings establish alignment with CTE Emergency Response standards and provide the foundation for further professional education and training at a postsecondary level (i.e. Community College Fire Academy), leading to certification and employment. By mastering these standards, students gain critical knowledge and skills through classroom experiences, simulations, and other learning modalities. Careers in this pathway include those in fire services, wildland services, and emergency response and management. Students will learn about the specific organizational structure of the oversight agency, laws regulations and policy for specific agencies, state laws and guidelines for career entry as well as certification, skill proficiency and employment requirement for the specific career in Emergency Services. Students will have the opportunity to prepare for postsecondary options and qualify to take examinations and certification as set forth by California State regulation and agency requirement based on age, skill, and knowledge.

# Career Technical Education *Courses*

## **FIRE SERVICE - 3102**

Grade Level: 11, 12

Course Length: 1 year

Credit: 20 credits

UC/CSU Category: G - Elective

**Prerequisite:** Introduction to Fire Science

Fire Service Class coursework will prepare students for a number of careers in the Fire Service field. Class offerings establish alignment with CTE Emergency Response standards and provide the foundation for further professional education and training at a postsecondary level (i.e. Community College Fire Academy), leading to certification and employment. By mastering these standards, students gain critical knowledge and skills through classroom experiences, simulations, and other learning modalities. Careers in this pathway include those in fire services, wildland services, and emergency response and management. Students will analyze the characteristics of different career fields within the Emergency Response pathway to develop a perspective on the nature of the work, entry-level requirements, career options, and expectations. Students in this course will learn about the fundamentals and scientific principles of fire behavior, combustible materials, extinguishing agents, hazardous and toxic materials, forms of energy, and fire prevention/suppression techniques for all types of fires and conditions. They will demonstrate the skills necessary to perform fire suppression and basic rescue operations using firefighting techniques and rescue equipment and be able to explain the role of fire personnel in wildland fires, structure fires, auto accidents, medical aid, swift-water rescue, civil disturbances, search and rescue operations, hazardous material spills, train wrecks, floods, and earthquakes. Students will apply principles of proper body mechanics, including ergonomics, equipment use, and techniques to prevent personal injury.

## **LAB RESEARCH IN BIOTECHNOLOGY - 3200**

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: Varies

UC/CSU Category: G - Elective

**Prerequisite:** Biology or Advanced Biology, Chemistry or Advanced Chemistry, MINIMALLY.

This course is for those students who wish to learn more biotechnological techniques and want to work independently on a science project involving laboratory and library research. The class is designed for students who are resourceful, responsible, patient and interested in pursuing science work in the future.

# Special Education *Courses*

*Any student enrolled in the following Special Education Program must have an active Individual Education Plan (IEP) on file. Special Education courses do not meet the a-g UC requirements.*

## **ENGLISH SKILLS - 8280**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite** – Teacher Recommendation

In addition to Language, this course helps students recognize and understand survival vocabulary. Students in this course are working toward a Certificate of Completion and must have an active Individual Education Plan (IEP) on file.

## **MATH SKILLS - 8225**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite:** Teacher Recommendation

This course is designed to help students recognize coins and bills, count out specified amounts of money using coins and/or bills, and to learn how to make and count change. Students in this course are working toward a Certificate of Completion. Any student enrolled in this course must have an active Individual Education Plan on file.

## **SCIENCE SKILLS - 8226**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite** – Teacher Recommendation

This course is designed to help students discover Science in their daily lives. Topics to be covered include the planets and solar system, plants, animals, body systems, nutrition, health, hygiene and first aid. Students in this course are working toward a Certificate of Completion.

## **HISTORY SKILLS - 8228**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite** – Teacher Recommendation

History Skills is an introduction to basic history concepts in World History MM (8235), US History MM (8236), and Gov/Econ MM (8239). Students in this course are working toward a Certificate of Completion.

## **ENGLISH MM (9/10) - 8286**

Grade Level: 9-10

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite** – Teacher Recommendation

This course is designed to increase the student's understanding of reading, oral and written language and spelling skills. State grade-level standards and high school exit exam standards are comprehensively addressed.

## **ENGLISH MM (11/12) - 8287**

Grade Level: 11-12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite** – Teacher Recommendation

This course is designed to increase the student's understanding of reading, oral and written language and spelling skills. State grade-level standards and high school exit exam standards are comprehensively addressed.

## **BIOLOGY MM - 8288**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite** – Teacher Recommendation

These courses are designed to increase the student's understanding of concepts in biological science. The curriculum will cover the properties and characteristics of matter, life cycles of plants and animals, the human body and discovering planet earth and the solar system. The curriculum is standards-based and will give the students an opportunity to gain scientific-process skills, such as observing, collecting and organizing data, measuring, classifying, hypothesizing and predicting. These skills will be explored with collaborative groups working independently, projects, labs and class discussions.

# Special Education *Courses*

*Any student enrolled in the following Special Education Program must have an active Individual Education Plan (IEP) on file. Special Education courses do not meet the a-g UC requirements.*

## **MATH MM - 8297**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite** – Teacher Recommendation

The Math MM class is designed to meet the individual needs of each student. The goal of the class is the improvement of each student's basic math skills. This course will attempt to make each student proficient in the four basic areas of calculations of whole numbers. Students will also become proficient with fractions, decimals, measurements and consumer math. Basic concepts in algebra will also be presented to students that have successfully progressed through each of the areas mentioned. Students will also be expected to complete daily homework assignments. Promotion to the next math level will depend upon the student's successful completion of Math MM. Math MM meets one of the two years of math requirements.

## **ALGEBRA MM - 8298**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite** – Teacher Recommendation

This course is designed to increase the student's understanding of numbers and operations, linear equations, exponents, polynomials, factoring and probability, problem solving, reasoning and proof, application of Algebra, solving of algebraic expressions, algebraic equations and expressions skills. This class uses an Algebra standards based curriculum.

## **ALGEBRA READINESS MM - 8292**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite** – Teacher Recommendation

Algebra Readiness MM This is a remedial course for freshmen students who are not ready to take Algebra I. The course includes the study of the pre-algebraic skills and concepts described in the Mathematics Framework for California Public Schools. The nine topics covered are whole numbers, operations on whole numbers, rational numbers, operations on rational numbers, symbolic notation, equations and functions, the coordinate plane, graphing proportional relationships, and algebra.

## **ALGEBRA READINESS MM - 8292**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite** – Teacher Recommendation

Algebra Readiness MM This is a remedial course for freshmen students who are not ready to take Algebra I. The course includes the study of the pre-algebraic skills and concepts described in the Mathematics Framework for California Public Schools. The nine topics covered are whole numbers, operations on whole numbers, rational numbers, operations on rational numbers, symbolic notation, equations and functions, the coordinate plane, graphing proportional relationships, and algebra.

## **ACADEMIC SUPPORT - 8308**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite** – Teacher Recommendation

This course is designed to assist students with regular education academic classes. Students will spend time learning strategies designed to enhance their performance in content areas that address IEP goals. Students will also have an opportunity to complete homework. Students will be given elective credit for this class.

# Special Education *Courses*

*Any student enrolled in the following Special Education Program must have an active Individual Education Plan (IEP) on file. Special Education courses do not meet the a-g UC requirements.*

## **CHEMISTRY MM - 8311**

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite** – Teacher Recommendation

This course gives students a foundation in Chemistry with related Earth Science phenomena and Engineering applications. The following topics will be covered: scientific measurements, combustion, conservation of mass and energy, atomic structure and bonding, Coulomb's law, the internal structure of the earth, feedback loops, thermochemistry, periodic table, chemical reactions, stoichiometry, Le Châtelier's law, reaction rates, greenhouse gases, climate change and human effects, solutions, acids and bases, the carbon cycle, resource management, and engineering designs. This course meets all NGSS standards for Chemistry and Engineering Design, and many NGSS standards for Earth and Space Sciences. This is one of three science courses that are required for high school graduation. This course will be offered to students with an Individuated Education Plan (IEP) that require a smaller setting and or additional supports.

## **PHYSICS MM - 8312**

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite** – Teacher Recommendation

Physics is the study of matter and energy and the interaction between them. Physics is about asking fundamental questions about the world around us, trying to answer them by observing and experimenting. This course gives students a good foundation in Physics with related Earth Science phenomena and Engineering applications. The following topics will be covered: forces, laws of motion, structures, plate tectonics, momentum, collisions, universal gravity, Kepler's laws, planetary motion, waves, earthquakes, wave technology, the nature of light, optics and light spectra, the big bang theory, electrostatics, electricity and circuits, magnetism and electromagnetic induction, energy, power plants, renewable sources, nuclear radiation and processes, and history of the Earth, stars and the universe. This course meets all NGSS standards for Physics and Engineering Design, and many NGSS standards for Earth and Space Sciences. This is one of three science courses that are required for high school graduation. This course will be offered to students with an Individuated Education Plan (IEP) that require a smaller setting and or additional supports.

## **US HISTORY MM - 8293**

Grade Level: 11-12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite** – Teacher Recommendation

This course is designed to build on the foundation of US History instruction given in middle school (8th grade). The course examines the major events in US History from the earliest American cultures to the present day. Emphasis will be on reading, writing and speaking skills, using individual and group work.

## **WORLD HISTORY MM - 8295**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite** – Teacher Recommendation

This course is designed to build on the foundation of World History instruction given in middle school (6th & 7th grades). The course examines major events in world history from ancient civilizations through modern times. Emphasis will be on reading, writing, thinking and speaking skills, computer and library research and using both individual and group work.

## **AMERICAN GOVERNMENT/ECONOMICS MM - 8296**

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite** – Teacher Recommendation

The American government portion of the course consists of one semester, which will focus on how national, state and local governments are organized and function. The economics semester is designed to develop and promote economic literacy and enhance student understanding of the economic problems and institutions of the nation and the world in which we live. Both courses stress communication and thinking skills, as well as individual and group work. This course fulfills a high school graduation requirement in Social Science.

## More Elective *Courses*

### **STUDENT GOVERNMENT & LEADERSHIP - 8490**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: G - Elective

**Prerequisite:** Elected ASB Officers, Class Officers & appointed Commissioners or by application & with the Activity Director's approval.

Student Government & Leadership is a movement at THS that promotes pride in activities, special events, club creations, diversity, & culture, fundraising, community service, and career readiness. The Leadership program allows students holding various positions from ASB President to Social Media Relations an opportunity to grow as leaders for the future tomorrow. Homecoming, dances, rallies, community events, and spirit week all encompass this student driven program. The class will focus on standards designed by the California Association of Directors of Activities and Common Core State Standards, including public speaking, written communication, service learning, presentation skills, community service, government hierarchy, procedures and elections, personal and social development, goal setting, group dynamics, business marketing, finance accounting, advertising, business law and technology while positively impacting the entire student body. Members are also expected to help other students with the creation and maintenance of clubs and student life on campus. The course focuses on school government/policies related to the Associated Student Body (ASB), the management of all student money, the promotion of school spirit, and the organization and promotion of all school-wide events. Required for all ASB, officers, class officers, and commissioners.

### **TEACHER ASSISTANT/LAB ASSISTANT**

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite:** Teacher approval and contract signed

Students may assist the teacher in preparation of learning materials and help the instructor with typing, filing, and copying materials. A maximum of 10 credits from any combination of teacher's aide, office aide, library aide, etc., may be applied toward graduation. These credits can only be earned during the 11th or 12th grade.

### **MAKER SPACE - 2720**

**Grades: 10, 11, 12**

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: G - Elective

**Prerequisite:** C or better in Geometry or currently taking Geometry.

Maker Space is a project based course designed to provide students with the opportunity to apply the principles of physics to design and create a series of engineering projects. Over the course of the year students will learn and apply the following 21st century skills in their projects: electronics, circuitry, drafting, 3D printing, solar cell technology, computer programming, and robotics. Students will learn about these areas and apply them to solve problems through the engineering design and creation process. In doing so students will be fully addressing all of the Engineering Performance Expectations in the Next Generation Science Standards. Students will end the year by presenting their final projects at a regional Maker Faire. Additionally, students will have the opportunity to use the knowledge gained, skills learned, course materials, and an allotment of course time to work on STEM Fair projects. Maker Space will help students acquire the technological skills and fundamental scientific knowledge to be successful in Physics and IB Physics.

### **WORK EXPERIENCE EDUCATION**

Grade Level: 11, 12

Course Length: 1 year

Credit: 20 credits (40 credits maximum)

UC/CSU Category: NONE

**Prerequisite:** 16 years of age, employed & completion of appropriate forms

This course provides students with opportunities for applying the basic skills of reading, writing, and computation through a combination of supervised employment in any occupational field and related classroom instruction. The WEE program is part of a total educational process that: helps students to choose a career path wisely; prepares them for full-time employment suitable for their abilities and interests; and affords students the opportunity to learn to work with others in ways that are successful and rewarding. Students must be 16 years of age and employed at an acceptable job station. Enrollment forms must be returned to the Director of Work Experience within three (3) school days for final approval. Adjustments in student programs will be made if necessary. Students must be enrolled in a minimum of four other academic courses in addition to one or two periods of work experience. Students are required to attend related instructional classes held each week on a designated day at 7:30 a.m.

## More Elective *Courses*

### **ACADEMIC DECATHLON - 0102**

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: *pending*

**Prerequisite:** None

Academic Decathlon is an extra curriculum class that focuses on preparing a team of students for a yearly competition based on a yearly topic. The topic can be anything, but the subject areas and events stay the same. Students are tested in math, science, history, art, economics, music and literature. Along with this, students also participate in a speech and essay competition. Students spend half of the school year preparing for the competition and earning their spot on the team, and the other half preparing for next year's competition. Students should not only expect to learn about the yearly topic, but to improve on their speaking, interview, and speech skills.

# AVID Courses

## **AVID 9 - 0115**

Grade Level: 9

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: G - Elective

**Prerequisite:** Application and Interview

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success, and it is scheduled during the regular school day as a year-long course. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, strengthen metacognitive development, analytical reading and writing, communication skills, and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth. Students will increase awareness of their personal contributions to their learning, as well as their involvement in their school and community. Students will prepare for and participate in college entrance and placement exams, while refining study skills and test-taking, note-taking, and research techniques.

## **AVID 10 - 0215**

Grade Level: 10

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: G - Elective

**Prerequisite:** AVID 9

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success, and it is scheduled during the regular school day as a year-long course. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, strengthen meta-cognitive development, analytical reading and writing, communication skills, and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth. In the 10th grade year, students will continue to refine their academic learning plans and goals, increasing awareness of their actions and behaviors, as well as develop an increased ability to self-monitor, self-regulate, and manage time. Students will expand their writing portfolio to include: analyzing prompts, supporting arguments and claims, character analysis and detailed reflections. Lastly, students will narrow down their college and careers of interest, based on personal interests and goals.

## **AVID 11 - 0315**

Grade Level: 11

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: G - Elective

**Prerequisite:** AVID 10

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success, and it is scheduled during the regular school day as a year-long course. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, strengthen metacognitive development, analytical reading and writing, communication skills, and academic success skills. The course emphasizes rhetorical reading, analytical writing, collaborative discussion strategies, tutorial inquiry study groups, preparation for college entrance and placement exams, college study skills and test-taking strategies, note-taking and research. The eleventh grade AVID Elective course is the first part in a junior/senior seminar course that focuses on writing and critical thinking expected of first- and second-year college students. In addition to the academic focus of the AVID seminar, there are college-bound activities, methodologies and tasks that should be undertaken during the junior year to support students as they apply to four-year universities and confirm their postsecondary plans.

## **AVID 12 - 0415**

Grade Level: 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: G - Elective

**Prerequisite:** AVID 11

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success, and it is scheduled during the regular school day as a year-long course. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, strengthen meta-cognitive development, analytical reading and writing, communication skills, and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth. In the 12th grade year, students will continue to refine their academic learning plans and goals, create legacy projects including service learning projects/mentoring, as well as develop an increased ability to self-monitor, self-regulate, and manage time. Students will expand their writing portfolio to include: an argumentative research paper on a social issue and detailed reflections. Lastly, students will prepare for college through the use of inquiry based collaborative study groups utilizing higher order thinking questioning techniques.

# AVID Courses

## **AVID TUTORING - 8130**

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

**Prerequisite:** Must be recommended by the IB Coordinator, district AVID coordinator, or AVID Teacher

AVID tutoring is a full year course for one period per day to assist AVID teachers at either the middle schools or Tracy High in working with students who need help in improving their study skills and academic performance in the areas of English, math, social studies, and science. To become an AVID tutor, interested students must have good study skills, good grades, and the desire to help others to be successful in a challenging environment. Additionally, all potential AVID tutors must be focused on four year college and already passed the High School Exit Exam. Students must be recommended by their teachers and counselors and must participate in 16 hours of AVID tutor training during the summer prior to tutoring the AVID class. For more information about the AVID class see the AVID 9th and 10th grade course descriptions.

# Post High School *Options*

## **CaliforniaColleges.edu**

Tracy Joint Unified School District has partnered with California Colleges. CaliforniaColleges.edu provides students with an all-inclusive guide for their college & career paths & enables educators to track their progress.

<https://www.californiacolleges.edu/#/>

## **California Community Colleges**

Students must have a high school diploma or be 18 years of age to be eligible for entrance into a community college. Students can earn a Certificate or an Associate's Degree, and take courses that will allow them to transfer to a 4-year college or to directly enter the work force. Students are able to attend community colleges throughout the state.

The SAT and ACT are not required for entrance into a community college. Apply online by launching from California Colleges at <https://www.californiacolleges.edu/#/>

## **California State University**

There are 23 CSU campuses, which all require a minimum of a 2.0GPA to apply. If a student has below a 3.0 GPA, they must meet the eligibility index: a combination of grades in "a-g" courses and SAT/ACT (with writing) test scores.

CSUs offer both Bachelor's and Master's degrees. Apply online by launching from California Colleges at <https://www.californiacolleges.edu/#/>

## **University of California**

The UC system consists of 10 campuses. However, UC San Francisco is only open to graduate students. Students who apply for a UC must earn a GPA of 3.0 or better in the "a-g" courses, with no lower than a C-, and take the ACT (with writing) or the SAT (with writing). The UC system is very competitive, so it is recommended that your student take advantage of rigorous courses and extracurricular activities. UCs offer Bachelor's and Master's degrees and Doctoral programs. Apply online by launching from California Colleges at <https://www.californiacolleges.edu/#/>

## **Private and Out-of-State Colleges**

Private and Out-of-State schools have different admissions requirements from the UC/CSU systems. Students are encouraged to research requirements for each school and program as early as their sophomore year to ensure they have ample time to complete requirements. Apply online by launching from California Colleges at <https://www.californiacolleges.edu/#/> or visit <http://www.aiccu.edu/>

## **Western Undergraduate Exchange Program**

The Western Undergraduate Exchange Program (WUE) offers reduced tuition rates at participating 2-year and 4-year public colleges. Visit the following website for a list of participating colleges and universities:

[http://wue.wiche.edu/search\\_results.jsp?searchType=all](http://wue.wiche.edu/search_results.jsp?searchType=all)

## **Military and Trade Schools**

To enlist in the military students must be 18 years old (or 17 with parental consent) and have a high school diploma. Students are encouraged to take the ASVAB in their junior or senior year.

Trade Schools are an excellent option for students who want to learn skills related to a specific job. Students who attend a trade school will enter the workforce within approximately two years of beginning a program. Students can attend a trade school for jobs such as a medical assistant, electrician, mechanic, welder, dental hygienist, and cosmetologist.

## **Career Technical Education (CTE)**

San Joaquin Office of Education's CTE program focuses on preparing students to enter current or emerging high-skill, high-wage, and/or high-demand occupations. CTE opportunities may be offered through linked learning programs, partnership academies, apprenticeship programs or orientation to apprenticeships, regional occupational centers or programs, tech prep programs, charter schools, small learning communities, or other programs that expose students to career options while preparing them for future careers in a given industry or interest area.

<https://www.sjcoe.org/CTE/>

# NAIA Student Guide

NAIA GUIDE FOR THE COLLEGE-BOUND STUDENT-ATHLETE

## NAIA Eligibility Center at PlayNAIA.org determines eligibility of all first-time NAIA student-athletes

The NAIA Eligibility Center, at [PlayNAIA.org](http://PlayNAIA.org), is responsible for determining the NAIA eligibility of first-time student-athletes. Students must receive an eligible decision by the NAIA Eligibility Center prior to competing for the first-time in the NAIA, and all NAIA schools are bound by the center's decisions.

Every student interested in playing sports at NAIA colleges for the first time needs to register online with the NAIA Eligibility Center and receive an eligible determination. This applies to high school seniors and transfers from both two- and four-year colleges.

What information will I need to provide? You'll create a personal profile with the basic facts about your academic history and sports participation to date.

- You'll need your current contact information, previous residences and addresses, high schools attended and history of your sports participation during and after high school graduation.
- 9876** When you register for the ACT or SAT, include the NAIA Eligibility Center (9876) on the list of places test scores should be sent.
- Ask your high school counselors to send a final, official transcript that verifies high school graduation, class rank and cumulative grade point average to the eligibility center through the NAIA High School Portal.

### What are the costs?

Registration costs for students are as follows:

- US/Canadian high school: \$100
- International: \$160
- US/Canadian freshman break: \$135
- US/Canadian break: \$150



This is a one-time, nonrefundable registration fee and includes all services for the student type. A difference in fees may be assessed if your student type changes.

The registration fee will be waived for U.S. students with demonstrated need. If you received a fee waiver for the ACT or SAT test or received federal free or reduced-cost lunch program, contact your high school counselor, who can provide confirmation of your eligibility for a fee waiver to the NAIA Eligibility Center. Fee waiver confirmations are required to be completed by high school counselors through the online [NAIA High School Portal](#) regardless of when you graduated high school.



### Do I need to register with the NAIA Eligibility Center if I'm registering with the NCAA?

Yes, determining if you meet eligibility requirements for NAIA eligibility is separate from NCAA eligibility certification. The NAIA and NCAA are two separate associations, with two different sets of rules and certification processes.

### Early decisions for high school seniors

Students, who have completed their junior year of high school and have at least a 3.0 GPA on a 4.0 scale (2.5 on a 4.0 scale midway through senior year) and the minimum test scores required, may obtain an eligibility determination before graduating from high school. Those students will need to request that their official transcripts after their junior year be sent to the NAIA Eligibility Center and contact ACT or SAT to have their test scores sent directly.

### Register with the NAIA Eligibility Center at [PlayNAIA.org](http://PlayNAIA.org).

<b>NAIA Eligibility Center</b> Phone: 816.595.8300 Hours: Monday-Friday 8:30 a.m. to 5 p.m. Central <a href="#">Contact Us</a>	<b>Address</b> NAIA Eligibility Center – Mailroom 120 W. 12th Street, Level S1 Kansas City, MO 64105
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## NCAA Student Guide

# High School Timeline

**9<sup>th</sup>**  
GRADE

**REGISTER**



- » If you haven't yet, [register](#) for a free Profile Page account at [eligibilitycenter.org](http://eligibilitycenter.org) for information on NCAA initial-eligibility requirements.
- » Use NCAA Research's [interactive map](#) to help locate NCAA schools you're interested in attending.
- » Find your high school's list of NCAA-approved core courses at [eligibilitycenter.org/courselist](http://eligibilitycenter.org/courselist) to ensure you're taking the right courses, and earn the best grades possible!

**10<sup>th</sup>**  
GRADE **PLAN**



- » If you're being [actively recruited](#) by an NCAA Division I or II school, [transition](#) your Profile Page account to the right [certification account](#).
- » Monitor the [task list](#) and [sign up for text alerts](#) in your [Eligibility Center account](#) for next steps.
- » Research the admission requirements for NCAA schools you're interested in attending.
- » At the end of the school year, ask your high school counselor from each school you attended to upload your [official transcript](#) via the High School Portal.
- » If you fall behind academically, ask your high school counselor for help finding [approved courses](#) you can take.

**11<sup>th</sup>**  
GRADE **STUDY**



- » Ensure your [sports participation](#) information is correct in your Eligibility Center account.
- » Check with your high school counselor to make sure you're on track to complete the required number of NCAA-approved [core courses](#) and graduate on time with your class.
- » Share your [NCAA ID](#) with NCAA schools recruiting you so each school can place you on its [institutional request list](#).
- » Take [unofficial and official visits](#) to NCAA schools you're interested in attending and start applying early.
- » At the end of the school year, ask your high school counselor from each school you attended to upload your [official transcript](#) via the High School Portal.

**12<sup>th</sup>**  
GRADE **GRADUATE**



- » Be accepted to the NCAA school you plan to attend.
- » Ensure your [sports participation](#) information is correct and [request your final amateurism certification](#) beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your Eligibility Center account.
- » Complete your final NCAA-approved [core courses](#) as you prepare for graduation.
- » After you graduate, ask your high school counselor to upload your [final official transcript](#) with [proof of graduation](#) via the High School Portal.