

Course Catalog



2023-2024

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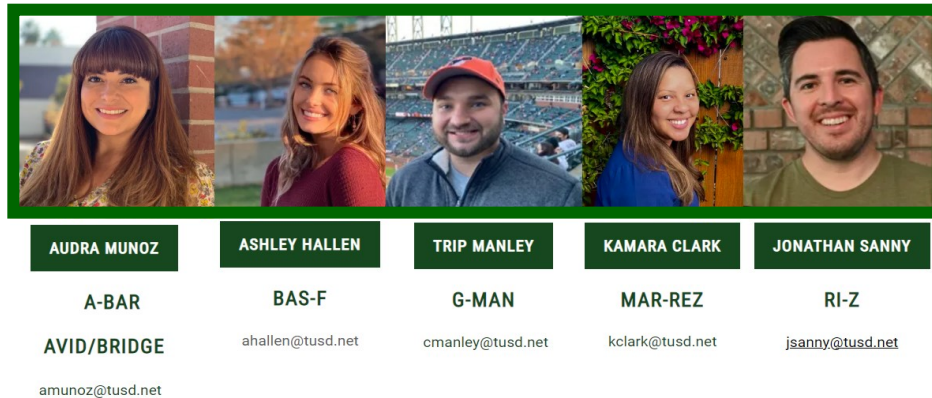
Resources

Make it easier to search for what you need by pushing **ctrl F** on your keyboard.
Type in what you are looking for in the search box that pops up on the screen.

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Complaints alleging noncompliance with this policy of nondiscrimination should be directed to the following personnel:
Title IX Coordinator – Dr. Mary Petty, 1775 W Lowell Ave, (209) 830-3280, mpetty@tusd.net
Section 504 Coordinator (students) – Sean Brown, 1775 W Lowell Ave, (209) 830-3274, sbrown@tusd.net
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Title II/ADA: Jaime Quintana, 1775 W. Lowell Ave, (209) 830-3245, jquintana@tusd.net



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



@Tracy High Counseling

Tracy High School 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, Chemistry, & Physics)	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)

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

220 Credits are required for Graduation

4 Year Plan Worksheet

Fill out this worksheet with courses you plan to take while at THS.

To fulfill [A-G requirements](#) you must earn a grade of C or better.

You may take more than the minimum number of courses required.

9 TH GRADE	10 TH GRADE	11 TH GRADE	12 TH GRADE
English	English	English	English
Math	Math	(Math)	(Math)
Biology	Chemistry or Physics	Chemistry or Physics	(Science)
Core 9 PE	PE	Elective	Elective
Art or Foreign Lang	World History	U.S History	Gov/Econ
Elective	Elective/ (Foreign Lang Yr. 2)	Elective	Elective

Typical 4-year Course Sequence

The course sequence below depicts a typical Tracy High School student taking six courses 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.

9th Grade / Freshman Year

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

11th Grade / Junior Year

1. English 3
2. US History
3. Chemistry or Physics
4. Elective/Algebra 2
5. Elective
6. Elective

10th Grade / Sophomore Year

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

12th Grade / Senior Year

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

Grade Point Average (GPA)

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.

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 9th grade are also integral as they are part of the minimum requirements necessary for UC/CSU eligibility.

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).

UC Requirements

See details:

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 10th and 11th 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 & SAT: 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.

CSU Requirements



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 [CSU Mentor website](#).

A - G Course List

Please visit:

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

Tracy High School A - G

A History/Social Science
 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
 English 1
 Advanced English 1
 Ag/Sci Advanced English 1
 English 2
 Advanced English 2
 Ag/Sci Advanced English 2
 English 3
 Ag/Sci English 3
 Expository Reading & Writing 11
 English IB HL1
 English 4
 English IB HL1
 English 4
 Ag/Sci English 4

C Mathematics
 Algebra 1
 Algebra 1 ELL
 Geometry
 Geometry ELL
 Algebra 2
 Advanced Algebra 2
 Advanced Math
 Pre-Calculus
 AP Calculus AB
 AP Calculus BC
 AP Computer Science A
 AP Statistics
 Math Applications & Interpretations
 IB SL

D Laboratory Science
 Biology
 Biology Ag
 Biology ELL
 Enhanced Biology
 Enhanced Biology Acad
 Biology IB HL1
 Biology IB HL2
 Environmental Systems IB SL
 Chemistry
 Chemistry Ag
 Chemistry IB SL
 Environmental Systems IB HL2
 Enhanced Chemistry
 Enhanced Chemistry Acad
 Enhanced Physics
 Human Physiology
 Human Physiology ELL
 Physics
 Physics Ag
 Physics ELL
 Physics IB SL

E Foreign Language
 French 1
 French 2
 French IB HL1
 French IB HL2
 French 5
 Spanish 1
 Spanish 2
 Spanish IB HL1
 Spanish IB HL2
 Spanish 5
 Spanish for Native Speakers 1
 Spanish for Native Speakers 2

F Visual & Performing Arts
 Art & Design
 Intermediate Art
 Art 3
 Art 4
 Piano Keyboarding
 Advanced Piano
 Symphonic Band
 Concert Band
 Jazz Band
 Orchestra
 Concert Choir
 Choral Company
 Madrigals
 Film Studies
 Drama 1

G College-Preparatory Elective
 Ag Welding
 Ag/Sci Adv SS1 World Geography
 Animal Physiology
 Freshman Seminar
 AVID (9-12)
 Automotive Technology
 Biotechnology
 Child Development
 Child Care Careers
 Child Care Advanced
 Consumer Home Economics
 CTE Veterinary Skills
 Economics
 Earth Science
 Forestry and Wildlife
 Intro to Psychology
 Journalism
 Maker Space
 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
 Wood 1
 Yearbook Design

Please note:

All courses must be passed with a grade of “C” or better in order to meet minimum requirements. For UC Admissions, at least 11 of the 15 minimum required classes must be completed by the end of 11th grade.

NCAA & NAIA REQUIRE-

See details: www.eligibilitycenter.org

The NCAA

Student athletes who are interested in playing NCAA Division I or Division II sports in college must register with the National Collegiate Athletic Association (NCAA) Eligibility Center. Students who would like to play Division III sports do not need to register. The Eligibility Center determines if prospective college athletes are eligible to play Division I and Division II sports at participating institutions of higher education. Meeting NCAA requirements does not guarantee admission into college nor does it guarantee students placement on a Division I or Division II athletic team.

Registration with NCAA

It is recommended that student athletes register online at the beginning of their junior year in high school. However, many students will register before their junior year. Students must be cleared by the Eligibility center before they can compete at a Division I or Division II institution or receive athletic scholarships.

Students must create an account online with the NCAA Eligibility Center. Students will create a personal profile and pay a registration fee. Student who have received a waiver for the SAT or ACT are eligible for a registration fee waiver. The student's counselor must submit confirmation of the test fee waiver. **Submission of final transcripts, SAT and/or ACT scores, and proof of graduation at the end of senior year is the student's responsibility.**

Coursework Requirements

To play Division I or Division II sports, students must:

- Complete a certain number of high school core courses (see course list)
- Earn a certain minimum grade point average in core courses (see www.eligibilitycenter.org)
- Earn a certain minimum score on the SAT and/or ACT (see www.eligibilitycenter.org)
- Graduate from high school

*NCAA & NAIA Differ from UC/CSU Eligibility Requirements.



Division I (16 core courses)

- 4 years of English
- 3 years of Math (Algebra 1 or higher)
- 2 years of Science (Natural or physical, including 1 year of lab science)
- 2 years of Social Science
- 1 extra year of English, Math or Science
- 4 years of additional core courses (from any category above, foreign language, or philosophy)

Division II (16 core courses)

- 3 years of English
- 2 years of Math (Algebra 1 or higher)
- 2 years of Science (Natural or physical, including 1 year of lab science)
- 2 years of Social Science
- 3 extra year of English, Math or Science
- 4 years of additional core courses (from any category above, foreign language, or philosophy)



The NAIA

The National Association of Intercollegiate Athletics (NAIA) is an association that partners with small athletics programs that are "dedicated to character-driven intercollegiate athletics." Registration with the NAIA Eligibility Center is required for any student who plans to attend an NAIA school.

<http://www.playnaia.org/>

Tracy High School Acade-

If you would like to study with like-minded students, you may elect to join one of our three academies.



International Baccalaureate (IB) Academy

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 3rd 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.

Performing Arts Academy

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 Academy

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. Contact the coordinator for information if you are interested in entering the Academy.

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



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>)

**Earn College Credit
for CTE Courses!!**

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/ctemcstandards.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.

THS CAREER TECHNICAL EDUCATION

CTE PATHWAYS

A CTE pathway is **a sequence of two or more CTE courses within a student's area of career interest**. Pathways are designed to connect high school classes to college, industry certifications, and/or a career

Agriculture Mechanics (Pathway: 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 (WLDT 70)

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

Animal Science (Pathway: Agriculture and Natural Resources)

<u>Course #</u>	<u>THS Course Name</u>	<u>Time</u>	<u>Level</u>	<u>Articulation</u>
5331	Small Animals & Horses	1 hr	Concentrator	
3135	Animal Physiology	1 hr	Capstone	
3110	Veterinary Science	2 hr	Capstone	
3109	CTE Veterinary Skills	2 hr	Concentrator	

Highlights: Participation in Hire Me First, job shadowing, resume and portfolio. Hours towards Vet Tech Certification.

Biotechnology (Pathway: Health Science and Medical Technology)

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

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

Child Development (Pathway: 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	Child Care	2 hr	Capstone	Pending
5410	Child Care Advanced	2 hr	Capstone	Pending

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

Food Service & Hospitality (Pathway: Hospitality and Tourism, and Recreation)

<u>Course #</u>	<u>THS Course Name</u>	<u>Time</u>	<u>Level</u>	<u>Articulation</u>
TBD	Culinary Arts & Hospitality	1 hr	Introduction	
5553	Food Education & Service Training 1	1 hr	Concentrator	
5563	Food Education & Service Training 2	2 hr	Capstone	

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

Public Service (Pathway: Emergency Response)

<u>Course #</u>	<u>THS Course Name</u>	<u>Time</u>	<u>Level</u>	<u>Articulation</u>
3101	Intro to Fire Service	1 hr	Concentrator	Las Positas (FST1: Fire Protection)
3102	Fire Service	2 hr	Capstone	

Highlights: CPR & First Aid Certified

Transportation (Pathway: Systems Diagnostics, Service, and Repair)

<u>Course #</u>	<u>THS Course Name</u>	<u>Time</u>	<u>Level</u>	<u>Articulation</u>
5043	Auto Mechanic	1 hr		
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.

Why CTE?

The Value of Career & Technical Education

High School



93%

of students who participate in CTE programs graduate high school.

College



91%

of students who earned 2-3 CTE credits enrolled in college.

Career



2%

wage increase for each year students took a CTE course.

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

0230	Freshman Seminar ♦
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

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 ♦ ±

♦ A-G Approved Courses

± NCAA Approved Courses

□ English Language Development Courses

● Special Education Courses

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 ♦ ±
2040	Adv. Math ♦ ±
2131	Pre-Calculus ♦ ±
2133	AP Calculus AB ♦ ±
2136	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 ♦ ±
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 ♦ ±
3287	Chemistry IB SL ♦ ±
3330	Physics ♦ ±
3331	Physics ELL ♦ ± □
8312	Physics MM ●
3311	ENH Physics ♦ ±
3191	Physics, Ag ♦ ±
3323	Physics IB SL ♦ ±

Course List

Science Elective Courses

3021	Earth Science ◇
3055	Environmental Systems & Societies IB SL ◇ ±
3203	Human Physiology ◇ ±
3200	Lab Research in Biotechnology ◇

Physical Education Courses

9001	Core 9 PE
9101	Advanced PE
9420	Weight Training
9400	Comp Weight Training
9102	Personal Fitness
9402	Adv. Comp PE

Fine Arts Courses

6003	Art & Design ◇ (formerly Intro to Art)
6004	Intermediate 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 ◇
6123	Choral Company ◇
6144	Madrigals
6100	Piano Keyboard ◇
6095	Advanced Piano ◇
6099	Piano Accompanist
6042	Drama 1 ◇
6053	Advanced Drama ◇
6035	Film Studies ◇
3067	Technical Theatre ◇

Modern Language Courses

4013	French 1 ◇ ±
4123	French 2 ◇ ±
4233	French IB HL1 ◇ ±
4143	French IB HL2 ◇ ±
4350	French 5 ◇ ±
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 ◇ ±

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

Agriculture Courses

5331	Small Animals & Horses ◇
5313	Shop Skills 1 ◇
5314	Shop Skills 2 ◇
5393	Meat Processing (2 hour)
5363	Welding ◇
5103	Wood 1 ◇
3135	Animal Physiology ◇ ±
3110	Veterinary Science ◇
3109	CTE Vet Skills ◇
3114	Forestry and Wildlife ◇
3521	Floral Design Art History

Non Departmental Courses

1363	Journalism ◇
8460	Student Government & Leadership ◇
6031	Yearbook Design ◇
2720	Maker Space ◇
TBD	Work Experience
	Lab Assistant
	Teacher Assistant
0102	Academic Decathlon
0115	AVID 9 ◇
0215	AVID 10 ◇
0315	AVID 11 ◇
0415	AVID 12 ◇
8130	AVID Tutoring
5311	Saturday Scholars Seminar
5308	Ag/Science Junior Project
5309	Ag/Science Senior Project
8308	Academic Support ●
8229	Voc Ed Skills ●

Industrial Technology

5043	Auto Mechanics
5253	Auto Technology (2 hr)
3101	Intro to Fire Service (1 hr)
3102	Fire Service (2 hr)

Home Economics Courses

5501	Consumer Home Economics ◇
5503	Culinary Arts & Hospitality
5450	Child Development ◇
5400	Child Care Careers w/Children (2hr) ◇
5410	Child Care Advanced (2hr) ◇
5553	FEAST 1 (2 hr)
5563	FEAST 2 (2 hr)

English Courses

Course Descriptions

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: 8th 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 9th 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 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 10th 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; Meets the English 4 credit requirement for graduation, if successfully completed.

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.

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.

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.

CSU EXPOSITORY READING AND WRITING 12 - 1285

Grade Level: 12

Course Length: 1 year

Credit: 10 credits; Meets the English 4 credit requirement for graduation, if successfully completed.

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 Language Development (ELD) Courses

Placement must be recommended/approved by the coordinator for services to English learners.

BEGINNING ELD -1203

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

Prerequisite: Identified English learners

Grade Level: 9, 10, 11, 12 Course Length: 1 year Credit: Satisfies 1 year high school English requirement-Not college recommending. 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 Beginning ELD Support (0140). 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.

Newcomer - 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.

English Elective Courses

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.

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.

English Elective Courses

FRESHMAN SEMINAR - 0230

Grade Level: 9

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: G - Elective

Prerequisite: None

This course is broken up into two semesters. The first semester is designed to support a successful transition into high school and ultimately into adulthood. Students learn and practice valuable skills to help them to be career and college ready. Students will demonstrate their understanding of career paths through a variety of assessments, projects, research assignments, online portfolio, and a budget project. Students will identify academic interests, skills, values and personality types, research employers and industries, familiarize themselves with college and job search tools, strengthen writing skills, and learn goal setting techniques that are monitored by the instructor. In the second semester, students will study Speech and Debate in order to prepare them for the speaking and listening requirements in all English courses, as well as in many other academic classes. During this part of the class students will learn expository, persuasive, extemporaneous, demonstrative and impromptu speaking as well as listening skills, current events, oratory, oral interpretation, memorization and debate. The speech assignments will be thematic and support the concepts introduced in the first semester course.

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.

Mathematics Courses

All students should take math every year. It is particularly important that students take a mathematics course in their senior year of high school, even if they have completed three years of college preparatory mathematics by the end of their junior year.

ALGEBRA READINESS - 2065

Grade Level: 9 with teacher recommendation

Course Length: 1 year

Credit: 10 credits towards math requirement, does not satisfy Algebra requirement

UC/CSU Category: None

Prerequisite: Student must meet at least 2 of 3 criteria: 8th grade math grade of F or D; 7th grade CAASPP Math score 1 or 2; MDTP High School Readiness score 0-20%

This course 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. This course must be taken with Algebra 1.

Mathematics Courses

ALGEBRA READINESS ELL - 2067

Grade Level: 9, 10, and 11

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

Prerequisite: Identified Limited English Learner and teacher recommendation

This course offers the same course content as described in Algebra Readiness. It develops Math/ English content vocabulary, writing, and reading skills as part of the curriculum. It is designed for those students who require a Sheltered English instructional approach in mathematics. Spanish language assistance is also available through a bilingual paraprofessional. This course must be taken with Algebra 1.

ALGEBRA 1 - 2052

Grade Level: 9, 10, 11, 12

Course Length: 1 year

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

UC/CSU Category: C - Mathematics

Prerequisite: Student meets at least 2 of 3 criteria: 8th grade math grade of C or better, or Algebra Readiness grade of D or better; 7th grade CAASPP Math score of 3 of 4; MDTP High School Readiness score of 21% or above

This course 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.

ALEGBRA 1 ELL - 2070

Grade Level: 9, 10, 11, 12

Course Length: 1 Year

Credit: 10 credits

UC/CSU Category: C - Mathematics

Prerequisite: Identified English Language Learner and Teacher recommendation

This course offers the same course content as described for Algebra1. Developing Math English content vocabulary, writing and reading skills are also included as part of the curriculum. It is designed for those students who require a Sheltered English instructional approach in mathematics. Spanish language assistance is also available through a bilingual paraprofessional and Spanish Instructional materials.

GEOMETRY - 2103

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 D or better in Algebra with Support of Algebra 1

This course 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.

Mathematics Courses

GEOMETRY ELL - 2106

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: C - Mathematics

Prerequisite: Grade of D or better in Algebra 1.

This course offers the same course content as described for Geometry. Developing Math English content vocabulary, writing, and reading skills are also included as part of the curriculum. It is designed for those students who require a Sheltered English instructional approach in mathematics. Spanish language assistance is also available through a bilingual paraprofessional and Spanish instructional materials.

ALGEBRA 2 - 2093

Grade Level: 9, 10, 11, 12

Course Length: 1 year

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

UC/CSU Category: C - Mathematics

Prerequisite: Grade of D or better in Geometry.

Note: Students intending to take Pre-Calculus 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 Advanced Math or Pre-Calculus.

ADVANCED ALGEBRA 2 - 2100

Grade Level: 9, 10, 11, 12

Course Length: 1 year

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

UC/CSU Category: C - Mathematics

Prerequisite: Grade of C or better in Geometry.

Note: Students intending to take Pre-Calculus are recommended to enroll in Advanced Algebra 2.

This course 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 Advanced Math or Pre-Calculus.

ADVANCED MATHEMATICS - 2040

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits towards the math requirement

UC/CSU Category: C - Mathematics

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

This course is designed to provide for a full year of advanced Algebra. Advanced Math provides a third or fourth year of mathematics for students seeking an opportunity to build their mathematical fluency before advancing to Pre-Calculus or AP Statistics. Topics covered include analytical geometry, quadratic functions, trigonometric functions, systems, statistics, and probability. Upon completion of Advanced Math, students will be prepared to enroll in Pre-Calculus or AP Statistics.

Mathematics Courses

PRE-CALCULUS (Honors) - 2131

Grade Level: 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 or a grade of B or better in Algebra 2

This course is designed to prepare the students for the study of calculus. The course consists of analytic geometry, trigonometry functions, systems, matrices, series, vectors, elementary probability and statistics.

AP CALCULUS AB - 2133

Grade Level: 12

Course Length: 1 year

Credit: 10 credits towards the math requirement

UC/CSU Category: C - Mathematics

Prerequisite: Grade of A in Advanced Algebra 2 or a grade of C or better in Pre-Calculus

This course 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 course-work.

AP CALCULUS BC - 2136

Grade Level: 12

Course Length: 1 year

Credit: 10 credits towards the math requirement

UC/CSU Category: C - Mathematics

Prerequisite: Grade of A or better in Pre-Calculus; or a grade of C or better in AP Calculus AB

This course 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 course-work.

AP STATISTICS - 2020

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits towards the math requirement

UC/CSU Category: C - Mathematics

Prerequisite: Grade of A or better in Algebra 2; grade of C or better in Advanced Algebra 2 ; grade of D or better in Pre-Calculus

This course 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 course-work.

Mathematics Courses

INTRODUCTION TO COMPUTER SCIENCE - 4558

Grade Level: 9, 10, 11, and 12

Course Length: 1 year

Credit: 10 credits towards the math requirement

UC/CSU Category: G - Elective

Prerequisite: Grade of C or better in Algebra 1

Introduction to Computer Science course teaches the foundations of computer science and basic programming and is designed for students with no prior experience coding. Students learn to program in JavaScript, a professional level language used across the web, while starting in a fun, friendly and accessible environment.

AP COMPUTER SCIENCE A - 3317

Grade Level: 10, 11, and 12

Course Length: 1 year

Credit: 10 credits towards the math requirement

UC/CSU Category: C - Mathematics

Prerequisite: Grade of D or better in Algebra 2

This course 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 course-work.

IB MATH Applications and Interpretation SL - 2102

Grade Level: 11 and 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, (designed for IB diploma candidates)

This course is designed for current 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, those who are interested in harnessing the power of technology alongside exploring mathematical models and enjoy the more practical side of mathematics.

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.

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 limited to students who are currently enrolled in the Medical and Health Services Academy. Enhanced Biology is a rigorous course that serves as an NGSS 3-Course Model aligned biology course in the context of medical and health professions. Students that successfully complete this course will be prepared to take the AP Biology course. Students will discover biological concepts including structure and function, heredity, ecology, and natural selection within the context of varied medical fields including pathology, genetic counseling, epidemiology, pharmacology, and general medicine. This course also covers Earth science topics of natural resources, climate change, human impacts on the ecosystem, and natural hazards. In addition to covering the life and earth science standards required, students will also participate in interdisciplinary lessons and projects within the Medical and Health Services Academy. This course meets all NGSS standards for Biology, Earth Science, 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 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.

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. This is one of three science courses that are required for high school graduation.

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. This is one of three science courses that are required for high school graduation.

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 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. This is one of three science courses that are required for high school graduation.

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. This is one of three agriculture science courses that are required for high school graduation.

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. This is one of three science courses that are required for high school graduation.

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. This is one of three science courses that are required for high school graduation.

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. This is one of three science courses that are required for high school graduation.

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. This is one of three agriculture science courses that are required for high school graduation.

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.

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.

EARTH SCIENCE - 3021

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: G - Elective

Prerequisite: None

This course is designed for the student who wishes to learn about the physical world around them by studying the interconnected disciplines of Geology, Oceanography, Meteorology, and Astronomy. By the end of the course students will gain an understanding of the structure and history of the Earth, our solar system, and surrounding universe. The course includes topics such as earthquakes, volcanoes, global climate change and the life cycle of a star. This course is credited as a CSU/UC Science elective and will serve as an introduction to disciplines of physical science that many students encounter in their college general education requirements. It will also provide a solid base for students wishing to pursue any of the Earth Sciences as a major.

Science Elective Courses

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.

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 1 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.

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 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, 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.

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 18th and 19th 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 11th 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.

Social Science Elective Courses

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 Elective Courses

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 6th subject exam.

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. 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.

THEORY OF KNOWLEDGE IB (H) - 11th = 7287; 12th = 7384

Grade Level: 11th Grade - MWF; 12th Grade - T Th

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

Credit: 10 credits TOK 11 = 6 credits; TOK 12 = 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.

CORE 9 PHYSICAL EDUCATION - 9001

Grade Level: 9

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

Prerequisite: None

This is a varied activity course of four-week blocks of instruction and activity. The eight activities assigned to the student will be selected from the following list: swimming, tennis, basketball, physical fitness, flag football, volleyball, soccer, and floor hockey. Gym clothes required: athletic shoes, Tracy PE shirt and shorts, and sweats for cold weather are recommended. Grading is based on participation, skill and written testing.

ADVANCED PE - 9101

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

Prerequisite: None

This is a varied activity course which is required for all 10th grade students and recommended for 11th and 12th grade students. The course consists of four-week blocks of activity which will be selected from among the following list: basketball, pickle ball, badminton, water polo, lifesaving, flag football, recreational games, softball, volleyball and golf. Gym clothes required: athletic shoes, Tracy PE shirt and shorts, and sweats for cold weather are recommended. Grading is based on participation, skill and written testing.

WEIGHT TRAINING - 9420

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

Prerequisite: "C" or better in Core 9 PE

This course is designed for students in speed and power development. It will utilize a variety of exercises, which will contribute towards a healthy lifestyle. The course will provide a program designed to help students improve muscular strength, muscular endurance, body composition, flexibility and cardio respiratory endurance. Gym clothes required: athletic shoes, Tracy PE shirt and shorts, and sweats for cold weather are recommended. Grading is based on participation, skill and written testing.

COMPETITIVE ATHLETICS WEIGHT TRAINING - 9400

Grade Level: 1 year

Course Length: 10, 11, 12

Credit: 10 credits

UC/CSU Category: NONE

Prerequisite: Recommendation of teacher and a C or better in Core 9 P.E.

Students in this course must be involved in interscholastic sports at Tracy High. (Offered sixth period only)

This course is designed only for students who meet academic eligibility requirements and participate in interscholastic athletics at West High. This class is offered sixth period only. Students must have the Athletic Director's or Coach's written consent to enroll in the course. Class may be taken more than once for credit. There is not enough space in this class for all athletes. Priority is given to those who play multiple sports and/or play a sport that often leaves early. Gym clothes required: athletic shoes, Tracy PE shirt and shorts, and sweats for cold weather are recommended. Grading is based on participation, skill and written testing.

PERSONAL FITNESS - 9201

Grade Level: 10, 11, 12 (Priority is given to Seniors and Juniors).

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

Prerequisite: "C" or better in Core 9 PE

This course is designed for students interested in participating in daily aerobic exercise. The course will include high and low impact aerobics, yoga, Pilates, and body training. Written tests will be given and the student will study fitness concepts and nutrition. Gym clothes required: athletic shoes, Tracy PE shirt and shorts, and sweats for cold weather are recommended. Grading is based on participation, skill and written testing.

ADVANCED COMPETITIVE PE - 9402

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

Prerequisite: Students in this course must be involved in interscholastic sports at Tracy High.

The course consists of four-week blocks of activity which will be selected from among the following list: basketball, soccer, water polo, lifesaving, flag football, self-defense, softball, volleyball, and gymnastics.

ART & DESIGN - 6003 (Formerly Introduction to Art)

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: F - Visual Performing Arts

Prerequisite: None

This course explores the basic elements of art and design: color, value, line, texture, shape, form and space. Specific artists and periods in art history are studied. The basic elements of art are incorporated into two and three-dimensional projects. Experience in various mediums including pencil, charcoal, chalk, pastel, pen and ink, scratchboard, tempera, colored pencil and watercolor will be featured. Student projects may include drawing, painting, printmaking and sculpture.

INTERMEDIATE ART - 6004

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: F - Visual Performing Arts

Prerequisite: Introduction to Art 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 AND 4 - 6005, 6006

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: F - Visual Performing Arts

Prerequisite: Introduction to Art and Intermediate Art or teacher approval

This course is designed for students who have successfully completed Introduction to Art 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.

Visual & Performing Arts Courses

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.

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.

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 9th, 10th, 11th and 12th 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.

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 7th 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 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.

CHORAL COMPANY - 6123

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: F - Visual Performing Arts

Prerequisite: Audition

This class will help a select group of singers to further develop their singing and performing techniques. They will rehearse and perform music from varied styles and historic periods. Students can receive 4 years of credit for this class.

MADRIGALS - 6144

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: F - Visual Performing Arts

Prerequisite: Audition

This is an elite group of students who will study vocal jazz, classical and theatrical music. They will perform regularly and will be involved in musical productions. Movement and dance will be part of this class. Students can receive four years of credit for this class. Students must be enrolled in the Choral Company (Instructor may waive this requirement). All students must audition.

Visual & Performing Arts Courses

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.

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.

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.

Visual & Performing Arts Courses

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.

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 artistic medium. Students will analyze fiction and non-fiction films, as well as create short video productions. Emphasis is placed on artistic perception, creative expression, historical and cultural context, and aesthetic valuing.

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.

*The ultimate goal of modern language learning is to develop citizens with “international competence.”
These are individuals who: Communicate accurately and appropriately with representatives of other
languages and cultures. Understand the impact that language and culture has on the individual.
Function appropriately in at least one other culture and are sensitive to cultural differences in general.*

MODERN LANGUAGE 1 (SPANISH - 4033; FRENCH - 4013)

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: E - Language

Prerequisite: English teacher recommendation.

Modern Language 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.

MODERN LANGUAGE 2 (SPANISH - 4153; FRENCH - 4123)

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: E - Language

Prerequisite: Grade “C” or Higher in Modern Language 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.

Modern Language 3 (Spanish HL 1 - 4273; French IB HL 1 - 4233)

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 Modern Language 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.

MODERN LANGUAGE 4 (SPANISH HL 2 - 4383; FRENCH IB HL 2 - 4143)

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 Modern Language 3 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.

MODERN LANGUAGE 5 HONORS (SPANISH - 4393; FRENCH - 4350)

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.

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.

CONSUMER HOME ECONOMICS - 5501

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: G - Elective

Prerequisite: None

This is an introductory course that provides instruction in eight content areas as follows: Personal development; consumer education; family and human development; decision making and problem solving; sewing basics and techniques; food and nutrition; food and meal preparation; and financial literacy. This course provides the opportunity to earn the Food Handler Permit which provides the opportunity to work in the food industry. The focus is on preparing students for personal and life management and providing a strong foundation for Family and Consumer Science education related career paths. Students will learn leadership skills by working in cooperative groups, and practicing teamwork to prepare students with the knowledge, skills, and attitudes to function effectively as family members, leaders, workers, and citizens.

Consumer Home Economics prepares students with life management skills for living in the twenty-first century. These skills prepare students with the aptitudes for assuming personal, family, and community roles; strengthening employability skills; and transitioning to postsecondary training and education as well as entering and advancing in related career fields. Students are also prepared to advance to FEAST 1 to experience culinary skills.

CHILD DEVELOPMENT - 5450

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: G - Elective

Prerequisite: Home Economics Desirable

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 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; policies, 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.

CHILD CARE ADVANCED (2 hour) - 5410

Grade Level: 12

Course Length: 1 year

Credit: 20 credits

UC/CSU Category: G - Elective

Prerequisite: CTE Child Care Intermediate

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; policies, 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 - 5503

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 20 credits

UC/CSU Category: NONE

Prerequisite: None

This course is for students interested in the Culinary Arts and Hospitality Pathway, Food Education and Service Training (F.E.A.S.T.).

This course prepares students for the tasks, responsibilities, and skills needed to continue in the F.E.A.S.T. pathway. Students will be introduced to the basics of hospitality and culinary arts through academic and hands on experience opportunities. This is an entry level course potentially leading to the F.E.A.S.T. program, 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.

FOOD EDUCATION AND SERVICE TRAINING FEAST 1 (1 hour) - 5553

Grade Level: 11th or 12th grade or 16 years old

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

Prerequisite: Into to Culinary and Hospitality/Consumer Home Economics and teacher approval is desirable

For students interested in Food Preparation, F.E.A.S.T. (Food Education and Service Training) is a two period occupational training program to develop entry level skills for the use in the food service industry. Students are provided an opportunity to be a coordinator for one day in the restaurant. Their duties are to develop a menu, costing of items, ethnic descriptions, plate presentations, room decorations, sanitation & safety strategies, and marketing strategies. Students create culinary art displays in bread, cake decorating and gingerbread houses to show how design principles and colors relate to food. Catering community and school meals, job seeking skills, and competitive opportunities are also components of this course. Students will develop a portfolio which will incorporate all of their work for the year.

FOOD EDUCATION AND SERVICE TRAINING FEAST 2 (2 hour) - 5563

Grade Level: 11th or 12th grade or 16 years old

Course Length: 1 year

Credit: 20 credits

UC/CSU Category: NONE

Prerequisite: FEAST 1 and teacher approval

Senior students completing beginning FEAST 1 will have the first option of taking this two-hour course. FEAST 2 is an extension of FEAST I and involves the possibility of placement in community classroom, job shadowing and learning sites. Independent projects and the catering industry are discussed.

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

ANIMAL PHYSIOLOGY - 3135

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: G - Elective

Prerequisite: Ag Biology or Biology

This course is a college preparatory course intended to provide students with theories and principles related to animal anatomy and physiology. All body systems will be covered.

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, habitat 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.

VETERINARY SCIENCE - 3110

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: G - Elective

Prerequisite: Ag/Science Academy junior, Animal Physiology or Adv. 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 experiences. 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.

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

CTE VETERINARY SKILLS - 3109

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: G - Elective

Prerequisite: Animal Physiology, ROP Meat Processing or Veterinary Science

Students will receive online course work combined with hours of hands-on lab activities in the classroom then practicing what has been learned in a veterinary clinic or environment. Students choosing to take the certification test and pass at the end of the year will receive Veterinary Assistant Certification while those passing the class with a C or higher will receive a program completion certificate. The class will utilize the Animal Care Technologies (ACT) and the Texas Veterinary Medical Association (TVMA) Certified Veterinary Assistant Training Program Online. The CVA Online Program delivers the curriculum anywhere, anytime. Upon completion, a certificate is issued demonstrating one's competency in the basic skills required of a veterinary assistant.

This is a CVA course.

FLORAL DESIGN ART HISTORY - 3521

Grade Level: 9, 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.

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.

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.

AG WELDING (1 hour) - 5363

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

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 2nd year with students involved in construction projects. 2 + 2 Articulation with Modesto Junior College and San Joaquin Delta College.

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.)

AUTO MECHANICS - 5043

Grade Level: 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

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 TO FIRE SERVICE - 3101

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

Prerequisite: None

The Introduction to Fire Service class will offer a basic overview covering knowledge and skills required for positions in the fire services, emergency medical services, wildland services, and emergency management. The class provides students with decision making information about careers in Emergency Response or to pursue advanced skill training in Emergency Services. Course content includes classroom instruction, hands-on training and community experience. This content is designed to provide students with an understanding of the variety of agencies, employment opportunities, and necessary skill requirements in the many career within Emergency Services. Information included will be in the field of fire and emergency operations, disaster response, emergency management, the latest industry principles, theory, and best practices. Students learn tactical operations, safety, leadership, community outreach, and response techniques.

FIRE SERVICE - 3102

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

Prerequisite: Introduction to Fire Science

This course will prepare students for a number of careers in the Fire Service field. Careers in this pathway include those in fire service, wildland services, and emergency response management.

Non-Departmental Courses

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. Sophomores and freshmen are permitted to take the class with Journalism teacher/Administrator permission.

STUDENT GOVERNMENT & LEADERSHIP - 8460

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.

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.

The school yearbook, called El Portal, is issued during the last week of the school year. It is produced by the El Portal staff and contains a pictorial history for the school year. Students are required to put in several out-of-school hours in addition to the class period. This class may be repeated.

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

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 7:00 a.m. A maximum of 40 credits of work experience will be allowed to count towards the graduation requirement of 220 total credits.

Non-Departmental Courses

TEACHER 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.

LAB ASSISTANT

Grade Level: 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

Prerequisite: Completion of the lab science class for which you will assist & teacher approval and contract signed

Students will assist the teacher during laboratory activities. Furthermore, each student is required to conduct a research project. 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.

AVID Courses

AVID stands for Advancement Via Individual Determination. The program's mission is to close the achievement gap by preparing all students for college readiness and success in a global society. AVID students take an elective course each year with their cohort that teaches study skills and test taking strategies as well as college motivational activities.

Students are assigned to the AVID counselor who collaborates with the AVID team to support student success.

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

This second sequence of 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

This fourth sequence of 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 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.

SATURDAY SCHOLAR SEMINAR - 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.

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.

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.

VOCATIONAL EDUCATION SKILLS - 8229

Grade Level: 9, 10, 11, 12

Course Length: 1 year

Credit: 10 credits

UC/CSU Category: NONE

Prerequisite – Teacher Recommendation

The Vocational Education Skills course is an elective class in Special Education for students working for a certificate of completion. It is designed to teach practical and functional skills that will help the students as they get older and get them thinking about living on their own. The students learn various household tasks: dusting, sweeping, decorating, planting flowers and watering plants. The students complete mock job applications. Kits are used for learning the concept of money and how to spend it at a simulated grocery store. Certain commercials on television are reviewed to better understand persuasion. The Recycle Club Project emphasizes recycling and teaches about the California Redemption Value.

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

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.

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.

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.

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.

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.

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. A minimum of 20 hours of Community Service is required. This course fulfills a high school graduation requirement in Social Science.

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.

ACADEMIC SUPPORT RSP—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.

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:

<https://www.catamilacademy.org/AramTamilSchool.html>

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

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/>