Turlock High School

Course Directory

2021-2022

BULLDOGS ARE

THINKERS

HARD WORKERS

SELF-MOTIVATORS

SCHOOL MANTRA

Mission Statement

We will promote positive character, ensure academic rigor and hold all individuals accountable in order to graduate college & career-ready students.

TURLOCK HIGH SCHOOL

2021-2022 COURSE DIRECTORY

100+ Years of Tradition!

Welcome to all and especially to the Class of 2025,

Turlock High School (THS) was established in 1906 and for over 100 years has been a campus rich in "blue and gold" tradition and has benefitted from an extensive history of "Bulldog" community support. We serve a socially and ethnically diverse population of approximately 2,500 students with a focus on both college and career readiness. Four years of high school are meant to prepare you for the future, thus we strongly encourage you to take advantage of the many opportunities offered by THS and make your high school experience a meaningful and memorable one.

This Course Directory is a resource to give students and parents an idea of the educational opportunities available at THS. In general, THS offers 21 Advanced Placement courses, 100+ a-g college prep courses, 36 Career Technical Education (CTE) courses, and a robust Agriculture Program. We offer CTE courses in areas of Agriculture, Auto, Business, Computer Programming, Criminal Justice, Engineering, Foods, Health and Family Studies. We also offer a multitude of other elective opportunities in Fine Arts, Music, Foreign Language, and our nationally recognized Naval Junior Reserve Officer Training Corps (NJROTC) Program. We also support numerous co- and extra-curricular activities on campus including over 50 clubs and 13 athletic teams. THS athletics produces outstanding individuals of character and a winning mentality. The overall goal of THS is to focus on student learning, acquire a high school diploma and prepare students for life after high school in order to become productive 21st Century citizens. In a nutshell, our school mission statement, ESLOS and mantra encapsulate our high student expectations:

Mission Statement: We will promote positive character, ensure academic rigor and hold all individuals accountable in order to graduate college and career-ready students.

Expected Schoolwide Learning Outcomes (ESLOS): **D**emonstrate; Ethical Behavior, **O**pt-In; Participate In Activities, **G**o For Goals; Become College & Career Ready, **S**ucceed; As Critical Thinkers And Problem Solvers

Mantra: Bulldogs are **T**hinkers, **H**ard workers, **S**elf-Motivators

Gabe Ontiveros
Principal

Turlock Unified School District prohibits discrimination, harassment, intimidation and bullying in educational programs, activities, or employment on the basis of actual or perceived ancestry, age, color, disability, gender identity, gender expression, immigration status, nationality, race or ethnicity, religion, sex, sexual orientation, parental, pregnancy, family or marital status, or association with a person or a group with one or more of these actual or perceived characteristics. TUSD requires that school personnel take immediate steps to intervene when it is safe to do so and when he or she witnesses an act of discrimination, harassment, intimidation, or bullying.

El Distrito Escolar Unificado de Turlock prohíbe la discriminación, el hostigamiento, la intimidación y el acoso en los programas educativos, actividades o el empleo sobre la base de la ascendencia real o percibida, edad, color, discapacidad, identidad de género, expresión de género, el estado de inmigración, la nacionalidad, la raza o el origen étnico, la religión, el sexo , orientación sexual, los padres, el embarazo, la familia o el estado civil, o asociación con una persona o un grupo con una o más de estas características reales o percibidas. TUSD requiere que el personal escolar tome medidas inmediatas para intervenir cuando sea seguro hacerlo y cuando él o ella es testigo de un acto de discriminación, hostigamiento, intimidación o acoso.

Turlock High School

Course Directory 2021-22

Turlock High School Administration

Gabe Ontiveros, Principal

Joe Cusenza, Assistant Principal

Aaron Mello, Assistant Principal

Cristy Rickets, Assistant Principal

Marcelina Fernandez-Zamora, Dean of Student Discipline

Turlock High School Counselors

Nancy Niebla (A – ER)

David Babadalir (ES – LON)

Eric Swanson (LOP – REE)

Ronna Oliveira (REF – Z) Head Counselor

Mayra Arreola (EL Counselor)

Kristen Cole (College & Career)

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COURSE DESCRIPTIONS

GENERAL INFORMATION

COLLEGE ENTRANCE REQUIREMENTS

Subject Requirements (A-G)	UC	CSU
a. History / Social Science	2 yrs	2 yrs
b. English	4 yrs	4 yrs
c. Math**	3 yrs (4)*	3 yrs
d. Lab Science***	2 yrs (3)*	2 yrs
e. Foreign Language****	2 yrs (3)*	2 yrs
f. Visual/Performing Arts	1 yr	1 yr
g. College Elective	1 yr	1 yr

All courses for college entrance requirements must be passed with a grade of C or better.

* *UC recommends extra year*

** *The math college requirement includes successful completion of a series of traditional and/or integrated math courses*

*** *One year of a life lab science and one year of a physical lab science is required for college*

**** *Must be at least 2 years of the same foreign language*

SAT and ACT scores are no longer required by UCs and CSUs. If you choose to submit test scores as part of your application, they may be used to determine your eligibility for the California statewide admissions guarantee, as an alternative method of fulfilling minimum requirements for eligibility or for course placement after you enroll. Students should consult individual post-secondary institutions to confirm whether they are required to acquire SAT, ACT or SAT II subject test scores.

A-G - Indicates courses that meet the requirements for CSU and UC entry.

CSU - California State University
UC - University of California
GPA - Grade Point Average

P - Indicates a college preparatory course which meets one of the college entry requirements accepted by the CSU system and UC system. Specific CSU campuses will individually evaluate other courses for possibility of meeting college entrance requirements. These courses are noted at the bottom of their description. One extra grade point is awarded to students who earn an A, B, or C in honors courses. (***NOTE: Colleges DO NOT recognize extra grade points for Honors courses taken during the freshman year).***

AP - These high school courses are taught at the equivalency and/or are comparable to a first-year college level course. AP courses prepare students to take AP exams, which offer the opportunity to earn college credit while in high school. One extra grade point is awarded to students who earn an A, B, or C in AP courses.

Qualifications considered for AP enrollment:

- Teacher recommendation
- GPA
- Writing skills
- Prerequisite courses completed
- Diagnostic testing

CTE - Indicates Career Technical Education (CTE) courses. Per Education Code, TUSD has elected to allow CTE courses to satisfy the Visual & Performing Arts/Foreign Language high school graduation requirement.

[CC] - Indicates courses that are articulated with a community college and allow students to earn community college credit if certain criteria are met. Many of these courses are CSU/UC transferrable.

TURLOCK HIGH SCHOOL GRADUATION REQUIREMENTS 2022 - 2023

Subject Area	Semesters	Credits
English	8	40
Science (10 credits of life science and 10 credits of physical science. Science credit may be earned in selected application courses in the Agriculture Department.)	4	20
Math (All students must pass Integrated Math I)	4	20
Social Science World History U.S. History American Government Economics	 2 2 1 1	 10 10 5 5
Physical Education	4	20
Visual & Performing Arts/Foreign Language*	2	10
Electives (Not more than 40 credits of elective courses maybe satisfied by Work Experience, Teacher Aide, or Office Aide)		90
TOTAL CREDITS FOR GRADUATION: See Course Directory for details		230

*****Per Education Code, TUSD has elected to allow Career Technical Education (CTE) courses to satisfy the Visual & Performing Arts or Foreign Language graduation requirement.

Health requirement is met in the 21st Century Skills curriculum beginning in the 2018-19 school year.

TURLOCK HIGH SCHOOL GRADUATION REQUIREMENTS 2024 - 2025

Subject Area	Semesters	Credits
English	8	40
Science (10 credits of life science and 10 credits of physical science. Science credit may be earned in selected application courses in the Agriculture Department.)	4	20
Math (All students must pass Integrated Math I)	4	20
Social Science World History U.S. History American Government Economics	 2 2 1 1	 10 10 5 5
Physical Education	4	20
Visual & Performing Arts/Foreign Language*	2	10
21st Century Skills Health College and Career Seminar	 1 1	 5 5
Electives (Not more than 40 credits of elective courses maybe satisfied by Work Experience, Teacher Aide, or Office Aide)		80
TOTAL CREDITS FOR GRADUATION: See Course Directory for details		230

***Per Education Code, TUSD has elected to allow Career Technical Education (CTE) courses to satisfy the Visual & Performing Arts or Foreign Language graduation requirement.

DISTINGUISHED SCHOLAR/VALEDICTORIAN CRITERIA

To honor superior academic achievement, graduation ceremonies shall include recognition of valedictorian(s). Valedictorian(s) shall be selected based on established criteria and the procedures listed below:

For graduating seniors to qualify for Distinguished Scholars, he/she must have a Total Weighted Grade Point Average of 4.0 or higher. This Total Weighted GPA includes PE and is cumulative grades 9 -12.

In an effort to eliminate GPA manipulation, Valedictorian candidates with a Teacher's Aide (TA) period, Office Aide and/or reduced schedule (fewer than six classes); will receive a "C" grade (aide and/or unscheduled period) for GPA calculation purposes. ***Furthermore, GPA calculations for Valedictorian candidates will only include six classes each semester. 'A' period will not be included in the GPA for Valedictorian candidates unless it constitutes the sixth class (i.e., student is enrolled in 'A' period and is unscheduled for 6th period).***

The Valedictorian is the Distinguished Scholar who has the highest Total Weighted GPA as described above. Students will be notified annually in late April or early May. The final list of Distinguished Scholars will be verified one week before commencement.

Students transferring to Pitman or Turlock High will be allocated GPA equivalent for "like" courses taken outside TUSD. This includes Advanced Placement (AP) and International Baccalaureate (IB) courses regardless of grade level and/or TUSD prerequisites.

CALIFORNIA SCHOLARSHIP FEDERATION (CSF)

Turlock High School is going back to the tradition of a Blue and Gold graduation. Starting with the Class of 2020, students who qualify for CSF Lifetime Member status will no longer be wearing a white graduation robe. Students who are designated as CSF Lifetime members will wear a Blue or Gold (if a Distinguished Scholar) graduation robe and will be recognized at Commencement in a number of unique ways:

- An honor cord will be worn during the graduation ceremony.
- A special seal will be placed on the diploma.
- A notation of CSF Lifetime Membership will be on the transcript.
- Recognition in the graduation program.

ATTENTION

*Courses will be offered based on student demand and appropriate teacher qualifications.

PARENT & STUDENT RESOURCES

Turlock Unified School District Website:
https://www.turlock.k12.ca.us/

Website: https://www.turlock.k12.ca.us/ths

There are two ways to check grades, attendance, contact, and demographic information:

Aeries Family Link:
https://turlockusd.asp.aeries.net/student/LoginParent.aspx?page=default.aspx

Aeries Mobile APP:

Download on the App Store

GET IT ON Google Play

Aeries Mobile Portal
Aeries Software (Eagle)
Education

Modesto Junior College Articulated Course Listing

This means that students can earn college credit for the courses they take in high school. Students need to work through their teachers to complete the necessary paperwork and procedures required to have credit posted to their college transcripts. Students must earn a B or better in the THS course to articulate to Modesto Junior College. **Classes have additional requirements.*

TURLOCK HIGH SCHOOL COURSE	ARTICULATED MODESTO JUNIOR COLLEGE COURSE
Ag Engineering*	AGM 50 (3 units) Preparation for Mechanical Technology
	*AGM 200 (3 units) Introduction to Mechanical Technology
Ag Welding	AGM 210 (3 units) Agriculture Welding
Ag Welding/Fabrication	AGM 211 (3 units) Advanced Agriculture Welding
AP Computer Science	CSCI 271 (3 units) Problem Solving and Programming 1
AP Computer Science Principles	CSCI 270 (3 units) Introduction to Programming
Anatomy & Physiology	AP 50 (3 units) Elementary Human Anatomy-Physiology
Child Development	CLDDV 103 (3 units) Child Growth and Development
College & Career Seminar	GUIDE 120 (3 units) Success Strategies for Transfer Students
Criminal Justice	ADJU 201 (3 units) Introduction to Administration of Justice
Educational Psychology	SOCS 109 (3 units) Intro to Education- Practicum in Teaching
Environmental Horticulture	EHS 210 (3 units) Introduction to Environmental Horticulture
Health & Character Education	HE 110 (3 units) Healthful Living
The History of Art and Floral Design	*EHS 50 (2 units) Beginning Ornamental Gardening
	*EHS 280 (3 units) Beginning Floral Design

AGRICULTURE

The Agriculture and Natural Resources sector is designed to provide a foundation in agriculture for all agriculture students in California. Students engage in an instructional program that integrates academic and technical preparation and focuses on career awareness, career exploration, and skill preparation in three pathways. The pathways emphasize real-world, occupationally relevant experiences of significant scope and depth in Agricultural Business, Agricultural Mechanics, Agriscience, Animal Science, Forestry and Natural Resources, Ornamental Horticulture, and Plant and Soil Science. Integral components of classroom and laboratory instruction, supervised agricultural experience projects, and leadership and interpersonal skills development prepare students for continued training, advanced educational opportunities, or entry to a career. All Agriculture Department courses offer knowledge and skills required for occupational entry as well as preparation for post-secondary education. The Supervised Agricultural Experience Program and the FFA are an integral part of each course.

Agriculture and Natural Resources Pathways

	Agriculture Mechanics	
Pathway year	Course ID	Course Description
1st	AG2125	Agricultural Engineering I
2nd	AG2110	Agricultural Wood Construction
2nd	AG1200	Small Engines and Power Equipment
2nd	AG1300	Agricultural Welding I
3rd /4th	AG2175	Agricultural Wood Structures
3rd /4th	AG1415	Welding/Fabrication (1 period class)
3rd /4th	AG1515	Welding/Fabrication (2 period class)
	Ornamental Horticulture	
	Course ID	Course Description
1st	AG2155	Environmental Horticulture
2nd	AG1440	History and Art of Floral Design
3rd /4th	AG2540	Advanced Floral Design
	Agriscience	
	Course ID	Course Description
1st	AG1210	Biology and Sustainable Agriculture
2nd	AG1230	Chemistry and Agriscience
3rd /4th	AG1240 or AG1260	Adv Interdisciplinary Science for Sustainable Ag or Adv Animal & Plant Physiology
	Agricultural Business	
	Course ID	Course Description
2nd	AG1350	Ag Business and Technology
3rd /4th	AG1450	Ag Business Leadership

AG ENGINEERING (P) (AG2125) 9, 10, 11, 12 **[CC]**

This course includes an introduction to shop safety, tool identification, cold metal work, woodworking, basic electrical wiring, concrete, plumbing, and tool maintenance. Students are given an opportunity to construct projects for their home or agricultural program. Throughout the course, students will be graded on participation in intra-curricular FFA activities as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program. Protective equipment and course enrichment fee will be the responsibility of each participating student. One year of this course satisfies the CSU/UC "g" elective requirement.

AG WOOD CONSTRUCTION (AG2110) 10, 11, 12

Prerequisite: Agriculture Engineering or equivalent

Opportunities exist in Wood Construction that allow students to learn how to properly use hand and power tools, plan and build projects, and identify materials. Safety procedures, fabrication techniques, and applying wood finishes are also studied as students make products that can be used in the home. Protective equipment and course enrichment fee will be the responsibility of each participating student. Throughout the course, students will be graded on participation in intra-curricular FFA activities as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program.
One year of this course satisfies the CSU/UC "g" elective requirement.

SMALL ENGINES AND POWER EQUIPMENT I & II (AG1200) 10, 11, 12

Prerequisite: Agriculture Engineering or equivalent

This is a complete introductory course in the operation, construction, maintenance, repair, and adjustments of two-cycle and four-cycle engines. It is designed specifically for students with no prior experience in small power equipment. Theory and practical work, including safety and the care and use of specialized tools used in small engine repair and maintenance, are covered. Emphasis is placed on preventive maintenance and safe equipment operation. Upon completion of this course, students will compete in the area of small engines at local and state curricular contests. Throughout the course, students will be graded on participation in intra-curricular FFA activities as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program. Protective equipment and course enrichment fee will be the responsibility of each participating student.

AGRICULTURAL WELDING I (AG1300) 10, 11, 12 **[CC]**

Prerequisite: Ag Engineering or equivalent.

Ag Welding provides individualized instruction in developing fabrication skills in shielded metal arc welding, gas metal arc welding and oxyacetylene welding. In addition several cutting methods are covered. Selection of welding method, welding rod, metals, and equipment are discussed. Students have the opportunity to develop skills in welding metal in the flat, horizontal, and vertical positions. In addition to welding, a unit in electricity is covered. One grading quarter (45 days) is allotted for students to design, construct, and evaluate an agriculture-related project of their choice. Students are required to exhibit their projects at the local county fair and the California State Fair. Throughout the course, students will be graded on participation in intra-curricular FFA activities as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program. Protective equipment and course enrichment fee will be the responsibility of each participating student.
One year of this course satisfies the CSU/UC "g" elective requirement.

A-G **AG WOOD STRUCTURES** (AG2175) 10, 11, 12 CTE

Prerequisite: Ag Wood Construction or equivalent

This course is designed for students who would like to further develop their knowledge and skills on wood structures. Students will build on their knowledge of proper/safe use of hand and power tools, and wood machinery operation. Students will then be able to identify, design, plan and build wood projects. As the students are working on projects they will continue to develop their: knowledge of safety, material selection and identification, multitude of construction techniques, and application of various wood finishes. The second semester is going to be for students to design and construct a project of their choice. Students are required to exhibit their projects at the local county fair and the California State Fair if the project qualifies. Personal protective equipment and a course enrichment fee are required. One year of this course satisfies the CSU/UC "f" Visual and Performing Arts requirement.

A-G **WELDING & FABRICATION** (AG1515) 11, 12 (2 HOUR CLASS) **[CC]**
WELDING & FABRICATION (AG1415) 11, 12 (1 HOUR CLASS) **[CC]** CTE

Prerequisite: Agriculture Welding or equivalent

Welding & Fabrication provides serious students with entry-level skills at the completion of the course. Instruction is provided in advanced Shielded Metal and Gas Metal Arc Welding (M.I.G.) and advanced Oxy-Acetylene Welding. Gas Tungsten Arc Welding (T.I.G.) is also covered. Students are required to develop skills in welding overhead and completing welding certification tests, along with refining skills in operating the Air Carbon Arc, Plasma Arc, and Oxy-Acetylene cutting units. Students receive instruction in safety, hand and power tool usage, planning, and material selection and usage as related to the construction of items used around the shop and home. Students experiment with their own ideas and methods in the design and fabrication of an individual project. Students are allowed one semester to complete this task. If taken a second year, students are able to work on more complex projects that are more intense in design and fabrication. Students are encouraged to exhibit their projects at the local county fair and the California State Fair. Throughout the course, students will be graded on participation in intra-curricular FFA activities as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program. Protective equipment and course enrichment fee will be the responsibility of each participating student. One year of this course satisfies the CSU/UC “g” elective requirement.

A-G **ENVIRONMENTAL HORTICULTURE (P)** (AG2155) 9, 10, 11, 12 **[CC]** CTE

This course is designed to provide the student with the knowledge and skills required for entry into horticulture fields. Emphasis will be on plant identification, plant propagation and related cultural practices. An important aim of this course is to develop in the student an appreciation of horticulture in their environment. Throughout the course, students will be graded on participation in intra-curricular FFA activities as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program. One year of this course satisfies the CSU/UC “g” elective requirement.

A-G **THE HISTORY & ART OF FLORAL DESIGN (P)** (AG1440) 10, 11, 12 **[CC]** CTE

Prerequisite: Environmental Horticulture or equivalent

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 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 serve as a foundation for more complex works such as multi-part floral designs and creative expression through wedding consultations. Throughout the course, students will be graded on participation in intra-curricular FFA activities as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program. Protective equipment and course enrichment fee will be the responsibility of each participating student. One year of this course can be used to satisfy the CSU/UC "f" Visual and Performing Arts requirement.

A-G **ADVANCED FLORAL DESIGN** (AG2540) 11, 12 **(Pending A-G Approval)** CTE

Prerequisite: The History and Art of Floral Design

This course is designed for advanced students to construct floral products for holidays, art interpretations, weddings, displays, or resale. Students will demonstrate different floral design styles and arrangements. Participate in basic horticulture production; demonstrate understanding of flower and foliage production. Create a professional portfolio of career technical skills. Design and construct arrangements used in wedding and sympathy floral work. Students will have exposure to FFA floral design career development events and supervised agricultural experiences in the floriculture industry. Throughout the course, students will be graded on participation in intra-curricular FFA activities as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program. A course enrichment fee will be the responsibility of each participating student. One year of this course can be used to satisfy the CSU/UC "f" Visual and Performing Arts requirement.

A-G **AG BIOLOGY (P) (BIOLOGY AND SUSTAINABLE AGRICULTURE)** (AG1210) 9,10 CTE

This one year course, organized into four major units, integrates biological science practices and knowledge into the practice of sustainable agriculture. Unit one addresses the question: What is sustainable agriculture? Unit two: How does sustainable agriculture fit into our environment? Unit three: What molecular biology principles guide sustainable agriculture? Unit four: How do we make decisions to maximize sustainable agricultural practices within a functioning ecosystem? Within each unit, specific life science principles integrate with agricultural principles, as students gain knowledge of how the two disciplines inform each other, culminating in the development of a sustainable farm model and portfolio of supporting student research. Throughout the course, students will be graded on participation in intra-curricular FFA activities as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program. One year of this course satisfies the CSU/UC “d” lab science requirement. (Fulfills 1 year of life science)

CTE

A-G **AG CHEMISTRY (P) (CHEMISTRY AND AGRISCIENCE)** (AG1230) 10, 11, 12 CTE

Prerequisite: Biology and Sustainable Agriculture or equivalent

This course explores the physical and chemical nature of soil as well as the relationships between soil, plants, animals and agricultural practices. Students will examine properties of soil and land and their connections to plant and animal production. Using knowledge of scientific protocols as well as course content, students will develop an Agriscience research program to be conducted throughout the first semester of the course. To complete that whole project each student will investigate and test an Agriscience research question by formulating a scientific question related to the course content, formulating a hypothesis based on related research, conducting an experiment to test the hypothesis, collecting quantitative data, and forming a conclusion based on analysis of the data. The result of this research program will be an in depth research and experimentation paper that is technically written, based on scientific protocol, and cited using APA formatting. Additionally, students will develop and present a capstone soil management plan for agricultural producers, using the content learned throughout the course. Throughout the course, students will be graded on participation in intra-curricular FFA activities as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program. One year of this course satisfies the CSU/UC "d" lab science requirement. (Fulfills 1 year of physical science)

A-G **HON AG SYSTEMS MANAGEMENT (P) (HONORS ADVANCED INTERDISCIPLINARY SCIENCE FOR SUSTAINABLE AGRICULTURE)** (AG1240) 11, 12 CTE

Prerequisite**:** Chemistry and Agriscience or equivalent

This integrated class combines an interdisciplinary approach to laboratory science and research with agricultural management principles. Using skills and principles learned in the course, students design systems and experiments to solve agricultural management issues currently facing the industry. Additionally, students will connect the products created in this class with industry activities to link real world encounters and implement skills demanded by both colleges and careers. The course culminates with an Agriscience experimental research project in which students design and conduct an experiment to solve a relevant issue. Final projects will be eligible for Career Development Event competition at FFA events. Throughout the course, students will be graded on participation in co-curricular FFA activities as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program. One year of this course satisfies the CSU/UC "d" lab science requirement.

A-G **ADVANCED ANIMAL AND PLANT PHYSIOLOGY** (AG1260) 11, 12**(Pending A-G Approval) (Pending Board Approval)**

Prerequisite: Chemistry and Agriscience or equivalent CTE

The course is designed to prepare students with relevant knowledge and competencies associated with animal and plant science disciplines within agriculture. In this course, students analyze both the structure and function of both animals and plants, specifically focusing on species used for agricultural production. This course provides a study of common diseases of both small and large animals, as well as the causes and means of prevention. Emphasis is placed on mammals that are most important to human culture, as we know it. Systems of focus include the skeletal, muscular, cardiovascular, integumentary, reproductive, immune and digestive systems. Students do so through dissections, labs, simulations, research projects, and hands-on experiences. As part of this course, students work with both plants and animals, studying environmental changes, nutrition requirements and behavior. Due to the intra-curricular nature of Future Farmers of America (FFA), students are required to participate in FFA activities which are graded components of the course. Tests are given regularly and students are expected to participate in assignments, class discussions and other structured events and activities. In addition, students are expected to complete individual and group projects, as well as long-term assignments. One year of this course satisfies the CSU/UC "d" lab science requirement.

AG BUSINESS AND TECHNOLOGY (AG1350) 12

Prerequisite: Any Junior level agriculture course.

This course is designed to provide students with the knowledge and skills required for entry into agriculture service occupations and to inform them of the opportunities in the agriculture service industry, agriculture finance, and the general business of farming and ranching. This class is for seniors who wish to continue their agriculture education and explore the business and economic issues facing agriculturists of today and tomorrow. Throughout the course, students will be graded on participation in intra-curricular FFA activities as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program.

AG BUSINESS LEADERSHIP (AG1450) 10, 11, 12

Ag Business Leadership is project-based course aimed at increasing students' leadership capabilities. Through the planning and execution of numerous events for the school's FFA chapter, students will discover how to best effect change in their communities. Students will read extensively about the nature of leadership and its different styles. Additionally, students frequently write - critically, reflectively, persuasively, - and speak about the real world issues in Agriculture. Topics will include current issues in Ag legislation, development of personal leadership skills, FFA operations, FFA Judging Teams, and exploration of past and present needs in the Ag Industry and its leaders. A Supervised Agricultural Experience Project is required and will be developed with the aid of the instructor. Students will help plan, organize and put on events in FFA. Students are required to complete 20 hours per semester. FFA participation and SAE, Supervised Agricultural Experience, Project will be part of the grade for this course. One year of this course satisfies the CSU/UC “g” elective requirement.

ART

ART

Course ID	Course Description
FA1100	Art
FA200	Drawing and Painting
FA300	Studio Art I & II
FA1399	AP Studio Art Drawing
FA1230	AP Studio Art 2D

ART (P) (FA1100) 9, 10, 11, 12

This beginning course provides students with the basic elements of art which include space, line, shape, value, texture, and color. The academic projects include perspective, color, composition, figure, drawing, and painting. A variety of mediums are used and some art history is included. Protective equipment and course enrichment fee will be the responsibility of each participating student. One year of this course satisfies the CSU/UC "f" Visual and Performing Arts requirement.

DRAWING AND PAINTING (P) (ART II) (FA200) 10, 11, 12

Prerequisite: Art

This second-year course provides an opportunity for students to utilize the art principles learned in *Art*. Emphasis is given to color theory, drawing and painting techniques, and analysis of the aesthetic qualities of students' work. Major art movements from Renaissance to 20th Century Modern Art are studied, and techniques from these historical periods are used by students in their projects. Protective equipment and course enrichment fee will be the responsibility of each participating student. One year of this course satisfies the CSU/UC "f" Visual and Performing Arts requirement.

STUDIO ART I & II (P) (FA300) 11, 12

Prerequisite: Art II, one other art course, or permission of the Instructor.

Students work on advanced art skills in a more independent environment and explore a variety of styles and materials. Approximately ten artworks are produced by each student during each semester. This course prepares students for *AP Studio Art*. Protective equipment and course enrichment fee will be the responsibility of each participating student. One year of this course satisfies the CSU/UC "f" Visual and Performing Arts requirement.

AP STUDIO ART 2D (P) (FA1230) 11, 12
AP STUDIO ART DRAWING (P) (FA1399) 11, 12

Prerequisite: Must have at least two years of Art and a portfolio with Instructor approval.

Students accepted into this program follow stringent guidelines established by the College Board AP Studio Art program. Portfolios are developed which demonstrate competence in a variety of art forms, concepts, techniques (breadth), and a personal commitment to a specific visual idea (concentration). Emphasis is placed on preparing a successful portfolio, consisting of a minimum of twenty-four high quality artworks. Student portfolios are completed and sent to the College Board for evaluation early in May. Protective equipment and course enrichment fee will be the responsibility of each participating student. One year of this course satisfies the CSU/UC "f" Visual and Performing Arts requirement. The College Board charges a fee for the AP Studio Art exam.

CERAMICS (P) (FA130) 9, 10, 11, 12

This course includes an introduction to techniques in handbuilding, pinch, coil and slab, together with elementary glazing. During the second semester, course work includes beginning wheel throwing as well as advanced techniques in handbuilding and decorative techniques. The history of ceramics is an integral part of the class. Protective equipment and course enrichment fee will be the responsibility of each participating student. One year of this course satisfies the CSU/UC "f" Visual and Performing Arts requirement.

ADVANCED CERAMICS (P) (FA135) 10, 11, 12

Prerequisite: Ceramics and instructor approval

This advanced course includes opportunities for continuing students to work on advanced and/or sophisticated ceramics. The history of ceramics is an integral part of the class. Protective equipment and course enrichment fee will be the responsibility of each participating student. One year of this course satisfies the CSU/UC "f" Visual and Performing Arts requirement.

PHOTOGRAPHY I (P) (FA400) 11, 12

The course explores the elements of art through the medium of digital photography. Students learn the technical and artistic aspects of photography, including the basics of digital retouching and editing in Adobe Photoshop. Topics of this course also include the history of photography, how to analyze the work of others, ethics of digital imagery, and the practical applications of photography as a profession. Protective equipment and course enrichment fee will be the responsibility of each participating student. One year of this course satisfies the CSU/UC "f" Visual and Performing Arts requirement.

PHOTOGRAPHY II (P) (FA450) 12

Prerequisite: Photography I and permission of the Instructor.

Students further develop artistry in digital photography and photo manipulation using advanced materials and techniques. Students will prepare a professional portfolio and learn skill in photographic presentation. Course work includes evaluation and criticism of photographs, careers in photography, and ethics of digital manipulation. Protective equipment and course enrichment fee will be the responsibility of each participating student. One year of this course satisfies the CSU/UC "f" Visual and Performing Arts requirement.

VIDEO ARTS (P) (FA1425) 9, 10, 11, 12

Video Arts is a hands on class in which students will be introduced to the processes, equipment, and training involved in video arts production. Students will engage in processes ranging from conceptualization through development and distribution. Skills taught include script writing, camera operation, directing, lighting, sound mixing, and editing. Students will develop production planning, storyboarding, script writing, budgeting, and time management skills as a natural outcome of their video production. One year of this course satisfies the CSU/UC "f" Visual and Performing Arts requirement.

BROADCAST & VIDEO PRODUCTION (P) (FA1475) 10, 11, 12

Prerequisite: Teacher Recommendation

This course is designed for the study and practice of the basic elements of broadcast journalism and video production. The course will emphasize news-gathering, writing, video recording, editing, and the study of mass media. Students will learn the basic elements of news value and vocabulary specific to broadcast writing. They will also identify various news sources and use interview skills to create stories using video and editing software. This course also explores the world of digital video and television production. Students learn on professional equipment in a modern digital studio. Students work in collaborative teams to produce projects using cameras, while learning the basics of studio and field production, lighting and sound. One year of this course satisfies the CSU/UC "f" Visual and Performing Arts requirement.

A-G **BROADCAST & VIDEO PRODUCTION II (P)** (FA1485) 11, 12

This competency-based course enables students to develop the necessary skills and competencies for creating multimedia and video productions for use in school-wide broadcasts, video classroom presentations, video commercial productions, newscasting, and social media outlets. Students learn proper video camera techniques, digital video editing, script writing, effective lighting, audio, directing, production responsibilities, computer generated graphics, animation, as well as social media etiquette and marketing techniques. This class is for students exploring the possibility of a career in the professional world of electronic media. One year of this course satisfies the CSU/UC “f” Visual and Performing Arts requirement.

BUSINESS

Persons trained in fields such as business management, international trade, and various financial services specialties (e.g., accounting, banking, and investing) will find that their skills are highly marketable. Students master basic business principles and procedures before proceeding to the career path specializations. The specializations emphasize concepts of accounting and finance, including computer applications, taxes, investments, and asset management as well as pathways in international business and business management. Because almost every business and organization has a financial and management component, students will find that opportunities exist in many career paths in addition to those in business and finance.

Business Pathways

Course ID	Course Description
BU0450	Business Communications
BU2450	Small Business Management

BUSINESS COMMUNICATION (P) (BU0450) 10, 11, 12

Business Communication provides an in-depth, hands-on introduction to communicating in various business situations. The students are expected to analyze varied technologies and resources that include: Internet, magazine articles, technical manuals, and business reports. Students will demonstrate their acquired knowledge through the presentation of information using diverse technology resources, including presentations, videos, websites, cloud sharing, and other digital media. This course also applies the principles of ethical and effective written communication in the creation of business letters, memos, emails, and business reports. One year of this course satisfies the CSU/UC “g” elective requirement.

SMALL BUSINESS MANAGEMENT (P) (BU2450) 11, 12

The Small Business Management course was designed as a capstone course for the business pathway. Students who have successfully completed the introductory business courses such as Introduction to Business & Technology and Business Communication are encouraged to extend their knowledge of the private enterprise system and entrepreneurship in general with a specific emphasis on business organizations, supply and demand and market fluctuations. It is an Integral component of the financial management career pathway and is a viable supplement to a four year mathematics regimen. One year of this course satisfies the CSU/UC “g” elective requirement.

INFORMATION & COMMUNICATION TECHNOLOGIES

Information and Communication Technologies (ICT) have expanded the need for employees who can understand, manage, and support all rapidly emerging, evolving, and converging computer, software, networking, telecommunications, Internet, programming, and information systems. Essential skills for careers in the ICT sector include understanding systems that support the management and flow of data, the ability to work well and communicate clearly with people, and the ability to manage projects efficiently. The ICT sector meets national criteria for high demand, high wages, and high skills and provides students with excel-lent opportunities for interesting work and good pay. More than 70 percent of jobs in this sector will require a bachelor's degree or higher by 2018.

COMPUTER PROGRAMMING (P) (BU0420) 10, 11, 12

Prerequisite: Int Math I (Grade C or better).

Computer Programming is a business course designed primarily to introduce students to writing instructions that a computer can understand. Students will explore computer concepts, use logic procedures and implement programming procedures using Visual Basic. In addition, HTML may be used to program web pages. Career exploration will also be covered briefly. Instructional strategies may include individual and team hands-on development, scenario-based activities and peer collaboration. Emphasis is on problem solving and analysis using logical think processes. This class fulfills the high school elective requirement. One year of this course satisfies the CSU/UC third year "d" science requirement.

AP COMPUTER SCIENCE PRINCIPLES (P) (BU370) 10, 11, 12 **[CC]**

Prerequisite: Int Math I (Grade C or better).

The AP Computer Science Principles course will help students develop computational thinking skills vital for success across all disciplines. The course engages students in the creative aspects of the field of computing by allowing them to develop computational artifacts (apps or programs, etc.) based on their interests. APCSP will introduce students to various aspects of programming, abstractions, algorithms, large data sets, the Internet, cyber-security concerns, and computing impacts. With a unique focus on creative problem solving and real world applications, the APCSP course gives students the opportunity to explore several important topics of computing, use the power of computing to create artifacts of personal value, and develop an interest in computer science that will foster further endeavors in the field. Students will be provided with the opportunity to use technology to address real-world problems and build relevant solutions. One year of this course satisfies the CSU/UC third year "d" science requirement. The College Board charges a fee for the AP Computer Science Principles exam.

AP COMPUTER SCIENCE (P) (BU390) 11, 12 **[CC]**

Prerequisite: Int Math I (Grade C or better).

The curriculum of AP Computer Science in Java is based on the syllabus developed by the College Board. Topics include program design and implementation, algorithm analysis, standard data structures, and object-oriented programming design. AP Computer Science in Java emphasizes programming methodology with an emphasis on problem solving and algorithm development. It is intended to serve both as introductory courses for computer science majors, and for students who will major in disciplines that require significant involvement with computing. The College Board charges a fee for the AP Computer Science exam. However, fee waivers are available to help defray the cost. One year of this course satisfies the CSU/UC "c" math requirement.

CONSUMER & FAMILY SCIENCE

The Education, Child Development, and Family Services sector provides students with the academic and technical preparation to pursue high-skill, high-demand careers in these related and growing industries. The sector encompasses four distinct, yet interrelated, career pathways: Child Development, Consumer Services, Education, and Family and Human Services. The Child Development pathway provides students with the skills and knowledge they need to pursue careers in child care and related fields, and the Education pathway emphasizes the preparation of students to become teachers. The Consumer Services pathway gives students the employment and management skills needed in careers that involve helping consumers. The Family and Human Services pathway provides students with skills needed for careers related to family and social services. The standards are designed to integrate academic and career technical concepts. The anchor standards include Consumer and Family Studies comprehensive technical knowledge and skills that prepare students for learning in the pathways. The knowledge and skills are acquired within a sequential, standards-based pathway program that integrates hands-on projects, work-based instruction, and leadership development—for example, through Family, Career and Community Leaders of America (FCCLA). Standards in the Education, Child Development, and Family Services sector are designed to prepare students for technical training, postsecondary education, and entry to a career.

Education Pathway

Course ID	Course Description
HE1216	Child Development and Guidance
RO530	Educational Psychology

Food Service and Hospitality Pathway

Course ID	Course Description
HE1120	Foods
FS1450	Culinary Arts I (1 period class)
FS1550	Culinary Arts I (2 period class)
FS1430	Culinary Arts II (1 period class)
FS1530	Culinary Arts II (2 period class)
FS1440	Culinary Arts III (1 period class)
FS1540	Culinary Arts III (2 period class)

A-G

FOODS (HE1120) 9, 10, 11, 12

CTE

Although you've had years of experience eating food, do you really know enough about food and nutrition? This course helps students understand how to be healthy now and in the future through nutritional knowledge and choices. Students learn food preparation techniques, kitchen equipment and design, meal service and etiquette, health and fitness, budgeting, and about careers related to the food service and hospitality or food science industry. *If you like food and feeling healthy, you'll like this course!* Protective equipment and course enrichment fee will be the responsibility of each participating student. One year of this course satisfies the CSU/UC “g” elective requirement.

A-G **CHILD DEVELOPMENT AND GUIDANCE (P)** (HE1216) 9, 10, 11, 12 **[CC]** CTE

Do you enjoy children and want to know more about how they learn and grow? Take this exciting course to understand and observe how children and adolescents grow and develop physically, socially, emotionally, and intellectually. Students learn the way heredity, the environment, and current medical trends affect conception and prenatal development. Students become knowledgeable about the value of play and recreation, health and safety issues, and positive guidance and discipline techniques. This course is a great beginning to a career in child development or teaching. One year of this course can be used to satisfy the CSU/UC "g" elective requirement.

EARLY CHILDHOOD EDUCATION I & II

This course is designed for students to earn 12 units of college credit from UC Merced. Students enrolled in this course will take a sequence of courses that cover a variety of topics. The first course will identify major child development theories, developmental stages, and milestones to support, assess, and care for children -birth through age 8. The second course will analyze various forms of diversity and the historical and current environmental contexts that influence children's development in order to provide a positive and inclusive learning environment. The third course will compare various models and approaches to early childhood curriculum and learning environments to support all children based on cultural, linguistic and individual need-based appropriateness. The last course will define the requirements for the CA Commission on Teacher Credentialing's (CTC) Child Development Associate Teacher Permit.

CROSS AGE TUTORING (PEER TUTOR) (ND1301) 10, 11, 12

Prerequisite: Instructor Approval.

Students in this class tutor children enrolled in Turlock elementary schools. Students work under the direction of elementary site teachers. This is a particularly beneficial class for those interested in teaching or related professions. Space is limited for this course.

A-G **EDUCATIONAL PSYCHOLOGY (P)** (RO530) 11, 12 (2 HOUR CLASS) **[CC]** CTE

Prerequisite: Child Development and Guidance

This is an interdisciplinary course that provides an introduction to educational theories and research-based practices. This course is designed to provide students with a foundation in human development, educational theories and practices. Students will use a number of resources that provide multiple perspectives on educational philosophies, theories and practices. Students will study child/human growth and development, learning and teaching theories and methods, the California Public Schools Academic Frameworks and Standards, California Standards for the Teaching Profession, curriculum and lesson plan design along with observation and assessment tools and techniques. Students work under the direction of elementary site teacher. One year of this course can be used to satisfy the CSU/UC "g" elective requirement.

A-G **CULINARY ARTS I-III** (FS1450) 9, 10, 11, 12 (1 HOUR CLASS)
CULINARY ARTS I-III (FS1550) 9, 10, 11, 12 (2 HOUR CLASS) CTE

Prerequisite: Foods

These courses prepare students with entry level job skills for employment in the area of Food Services. Vocational skills are gained in the following areas: short order cook, sandwich person, cook helper, bus person, waiter/waitress, cook, and institutional food preparation. Students operate the Bulldog Lair Restaurant and participate in a variety of catered events, both on and off of campus.

ENGLISH

A-G **ENGLISH 9 (P)** (EN0180)

Through literature, writing, and speaking, this college prep course is designed to challenge students who read at or above grade level. Additionally, this course covers the elements of the Common Core State Standards for English 9th/10th grades. Texts: *Pearson, MyPerspectives* ELA-9.

A-G **HONORS ENGLISH 9 (P)** (EN0199)

This course is designed to challenge the student who reads considerably above grade level. There will be an intense focus upon reading texts critically. Grammar will be studied as a logical system and in greater depth than in *English 9*, both to provide a background for more specific grammatical topics in 10th through 12th grades and to provide a model of systematic thought. The Honors student will study longer works of literature, with the aim of developing the academic rigor needed for college level work that is to be done in the 11th and 12th grade A.P. offerings. NOTE: Although admissions officers at selective colleges tend to look favorably on students taking the most rigorous courses available at their high school, an extra grade point for an honors class taken in ninth grade is not computed for the GPA for the University of California. Summer reading is required for this course.

A-G **ENGLISH 10 (P)** (EN0280)

Through literature, writing, and speaking, this college prep course is designed to challenge students who read at or above grade level. Additionally, this course covers the elements of the Common Core State Standards for English 9th/10th grades. Texts: *Pearson, MyPerspectives* ELA-10.

A-G **HONORS ENGLISH 10 (P)** (EN0299)

Through literature, writing, and speaking, *Honors English 10* is designed to challenge students who read considerably above grade level. This course will emphasize the practical application of grammar in longer analytic essays. Additionally, this course covers the elements of the Common Core State Standards for English 9th/10th grades. By the end of the second semester, the student should be able to conduct research involving full-length texts, develop an original thesis from such research, present well-selected evidence with sound logic and intelligent organization, and cite correctly from a wide variety of source types. Depth of literary analysis will be extended into longer texts. Students are expected to read outside of class and to do homework regularly. Summer reading is required for this course.

A-G **ENGLISH 11 (P)** (EN0380)

The literature is a survey of American literature from the Pilgrims to modern day. Students are expected to read outside of class and do homework regularly. Additionally, this course covers the elements of the Common Core State Standards for English 11th/12th grades. Texts: *Pearson, MyPerspectives* ELA-11.

A-G **AP ENGLISH LANGUAGE & COMPOSITION (P)** (EN0377) 11

This course follows suggested guidelines set by the College Board for Advanced Placement English as well as the elements of the Common Core State Standards for English 11th/12th grades. Students who pass the College Board Advanced Placement Examination in May receive college credit in addition to high school credit for the course. Students should have a strong background in grammar and composition. This course is a chronological survey of American Literature. To develop further organization and articulation skills, emphasis is placed on the writing process. 11th grade core novel and non-fiction works. Summer reading is required for the course. The College Board charges a fee for the AP English Language & Composition exam.

A-G **EXPOSITORY READING AND WRITING COURSE (ERWC) (P)** (EN1480) 12

The Expository Reading and Writing Course (ERWC) is approved for area "b" credit (English) for the CSU and UC systems. The course is designed to prepare students for college-level English and it is aligned with the Common Core State Standards for English 11th/12th grade. The course assignments emphasize the in-depth study of expository, analytical, and argumentative reading and writing.

A-G **AP ENGLISH LITERATURE & COMPOSITION (P)** (EN0499) 12

This course follows suggested guidelines set by the College Board for Advanced Placement English as well as the elements of the Common Core State Standards for English 11th/12th grades. Students who pass the College Board Advanced Placement Examination in May receive college credit in addition to high school credit for the course. Students should have a strong background in grammar and composition. The course includes the analysis of plays, novels, poems, and essays. Summer reading is required for this course. The College Board charges a fee for the AP English Literature & Composition exam.

A-G **PHOTOJOURNALISM (P) (Alert)** (EN1210) 10, 11, 1 2

Prerequisite: Instructor recommendation.

In producing the *Alert*, this workshop course offers students the opportunity to apply skills learned in other courses. Successful course work in art, English, photography, and/or business is desirable, and some students may specialize in one area. Work outside class is required, such as covering school events, selling advertisements, or attending workshops. The University of California and California State University systems do not accept Yearbook credit in lieu of English. This course does not meet the high school English requirement. This course fulfills the CSU/UC "f" Visual and Performing Arts requirement.

A-G **DRAMA I (P)** (EN1105) 9, 10, 11, 12

An introduction to the various aspects of theater arts. Students learn about and experience both acting and technical theater. Various types of dramatic literature are read, discussed, and correlated to several writing assignments and projects. This course fulfills the CSU/UC "f" Visual and Performing Arts requirement.

A-G **DRAMA II - IV (P)** (EN1215) 10, 11, 12

Prerequisite: Drama I

Drama II - IV provides an in-depth study of both performing and technical theater. Students must demonstrate a strong knowledge of all areas of the theater. Students in this advanced class research theater education and professions beyond the high school level. Projects in play writing, character building, technical theater, and scene analysis are completed. Students study techniques of directing, and all advanced senior students are required to direct a project in their emphasis at the end of their senior year. This course fulfills the UC/CSU "f" Visual and Performing Arts requirement.

A-G **SCENE AND STAGE TECHNOLOGY (P)** (EN1225) 10, 11, 12

Students are given hands-on experience in all technical aspects of theatre productions. Emphasis is on Set Design Concepts, including detailed background research, construction, and realization of the students' input into the two annual play productions. Students have the opportunity to produce their own one-acts, including directing, casting, set design and construction, lighting and sound designs, and publicity. Stage Management, House Management, Crew Head positions, and responsibilities are incorporated through theatre business practices. Professional Careers in technical theatre beyond high school are highly emphasized through the assistance of various people from the industry. This course fulfills the UC/CSU "f" Visual and Performing Arts requirement.

A-G **SPEECH (P)** (EN1125) 9, 10, 11, 12

Prerequisite: Instructor recommendation.

In this academic elective, students learn to plan, research, and organize speeches and are given practical experience in speaking in front of the class. Debate and parliamentary procedures are introduced. Participation in speech tournaments is required. Each student is required to compete in a set minimum of events. The number of available tournaments scheduled determines the number required. The University of California and California State University systems do not accept Speech credit in lieu of English. This course does not meet the high school English requirement. One year of this course satisfies the CSU/UC "g" elective requirement.

A-G **DRAMATIC VOCAL INTERPRETATION (P)** (EN235) 10, 11, 12

Prerequisite: Speech

This course is designed to develop an appreciation for theatre and skills in the oral interpretation of dramatic literature, especially through the medium of readers' theatre and performance before a community audience. Students examine, develop, and demonstrate the skills and techniques of the actor. Students acquire a practical knowledge of theatre arts. In addition, students explore the political, social, economic, and ethical dimensions of the theatre. Students demonstrate their skills and knowledge of plays, poetry, and prose developed for readers' theatre through performance before a community audience. This course fulfills the CSU/UC "f" Visual and Performing Arts requirement.

ENGLISH LANGUAGE DEVELOPMENT

ELD - EMERGING (ES1510) (2 HOUR CLASS)

This course is for English Learners new to the United States who have not yet attained oral fluency in English. The course covers basic structures of the English language. Emphasis is on developing oral language, grammar, and writing and reading skills in English. Students participate in extensive listening and speaking exercises. The course includes an orientation to the customs and cultures of people in the United States. Coursework is aligned with the California ELD and ELA Standards. Technology is incorporated throughout with the use of Google Classroom and Read 180/System 44, etc

ELD – EXPANDING (ES1520) (2 HOUR CLASS)

Prerequisite: Instructor recommendation

This course is for English Learners new to the United States who have not yet attained oral fluency in English. Emphasis is on increasing oral language, grammar, and writing and reading skills in English. Students progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles. The four domains of language (listening, speaking, reading, and writing) are practiced daily in class. Coursework is aligned with the California ELD and ELA Standards. Technology is incorporated throughout with the use of Google Classroom and Read 180, etc.

ELD - BRIDGING (ES1530) (2 HOUR CLASS)

Prerequisite: Instructor recommendation

This course is for English Learners new to the United States who have not yet attained oral fluency in English. Emphasis is on increasing oral language, grammar, and writing and reading skills in English. Students progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles. The four domains of language (listening, speaking, reading, and writing) are practiced daily in class. Coursework is aligned with the California ELD and ELA Standards. Technology is incorporated throughout with the use of Google Classroom and Read 180, etc.

TRANSITIONAL ENGLISH (P) (ES402)

Prerequisite: Instructor recommendation

This course is for orally fluent English Learners new to the United States. The goal of this course is to help students in making the transition to mainstream English classes. Emphasis is on grammar, writing and reading skills in English. Students read the same core literature as students enrolled in mainstream English classes. Coursework is aligned with both the California ELD standards and the Common Core State Standards in English-Language Arts. Students will be concurrently enrolled in an Academic Language Development class. Technology is incorporated throughout with the use of Google Classroom, etc.

ACADEMIC LANGUAGE DEVELOPMENT (ES1150)

Academic Language Development is a course designed to accompany the Transitional English and recently Mainstreamed English students to prepare students for college and careers through the intentional use of explicit best practices for academic discourse development. This coursework will focus on the academic language domains through the utilization of constructive oral conversations, extensive rhetorical reading of relevant complex texts, production of purposeful academic writing using research and technology, application of academic vocabulary, and use of standard English language conventions.

ELD GEOGRAPHY (ES0240)

Prerequisite: Currently enrolled in ELD Academy

This course is designed for Newcomer English Learners and provides sheltered instruction and strategies. The course covers general properties of physical, political, and cultural geography. Students will learn and apply vocabulary and skills of physical geography including terms for landforms, directions, properties of scale, latitude and longitude, etc. used in cartography and map reading. Students will learn and apply factors in political geography such as political and physical borders, different forms of government and sovereignty, capitols, etc. Students will learn and apply cultural geography factors such as language, religion, etc.
Students will engage in in-depth study of the world regions: North America, Central and South America, Europe, Asia, the Middle East, Africa, Australia and the Pacific Rim. Technology will be incorporated throughout in teacher and student presentations, research, Google Classroom, etc.

ELD ACCULTURATION (ES1240)

Prerequisite: Currently enrolled in ELD Academy

This course is designed for Newcomer English Learners and provides sheltered instruction and strategies. The course includes the use, practice, and acquisition of English language, forms, and vocabulary in developing their listening, speaking, pronunciation, and reading skills. The course also includes a focus on the social and cultural practices of this country such as holidays, school and university customs and U.S. physical and cultural geography.

Technology will be incorporated throughout the course in the use of Google Classroom and related products, in teacher and student presentations, research, etc.

OTHER COURSES OFFERED TO ELD STUDENTS:

SDAIE INTEGRATED MATH I (ES160) (see Integrated Math I on page 20)
SDAIE INTEGRATED MATH IA (ES1180) (see Modified Integrated Math IA page 36)
SDAIE INTEGRATED MATH IB (ES1280) (see Modified Integrated Math IB page 36)
SDAIE BIOLOGY IN THE LIVING EARTH (ES0100) (see Biology in the Living Earth on page 29)
SDAIE CHEMISTRY IN THE EARTH'S SYSTEM (ES1275) (see Chemistry in the Earth's System on page 30)
SDAIE PHYSICS IN THE UNIVERSE (ES1375) (see Physics in the Universe on page 31)
SDAIE WORLD HISTORY, CULTURES & GEOGRAPHY (ES0250) (see World History C&G on page 32)
SDAIE US HISTORY (ES0350) (see US History on page 32)
SDAIE AMERICAN GOVERNMENT (ES0421) (see American Government on page 33)
SDAIE ECONOMICS (ES0420) (see Economics on page 33)
SDAIE HEALTH & CHARACTER EDUCATION (ES1112) (see Health & Character Education page 40)
SDAIE COLLEGE & CAREER SEMINAR (ES1113) (see College & Career Seminar page 40)

ENGINEERING TECHNOLOGY

The engineering and architecture sector is designed to provide a foundation in engineering and architecture occupations for students in California. Students are engaged in an instructional program that integrates academic and technical preparation and focuses on career awareness, career exploration, and career preparation that emphasize real-world, occupationally relevant experiences of significant scope and depth. To prepare students for continued training, advanced educational opportunities, and direct entry to a career, the Engineering and Architecture programs offer the following components: classroom, laboratory, and hands-on contextual learning; project- and work-based instruction; and leadership and interpersonal skills development.

Engineering Technology Pathways

Course ID	Course Description
IA1465	Ind Engineering Tech I
IA1475	Industrial Eng Tech II
IA1455	Integrated Engineering Tech
IA405G	Physics of Electronic Robotics

INDUSTRIAL ENGINEERING TECHNOLOGY (P) (IA1465) 11, 12 (1 HOUR CLASS)
INDUSTRIAL ENGINEERING TECHNOLOGY (P) (IA1565) 11, 12 (2 HOUR CLASS)

This is an expanded electronics technology course that includes instruction in aviation/aerospace robotics, and computer operated manufacturing. Saleable skills in several areas of technology are developed to include electronics technician, avionics technician, electrical repairman, communications technician, and electrician.

A-G

INTEGRATED ENGINEERING TECHNOLOGY (P) (IA1455) 9, 10, 11, 12 (1 HOUR CLASS)

IET is a pre-engineering/technology course that offers exploration and learning opportunities for students interested in finding work after high school or continuing studies at a college or university. A computer-networking academy is offered within this course as are studies in electricity/electronics, mechatronics, robotics, applied physics, and engineering fundamentals. Advanced students may learn to repair and build computers and other consumer types of appliances and equipment. One year of this course satisfies the CSU/UC “g” elective requirement.

A-G

PHYSICS OF ELECTRONIC ROBOTICS (P) (IA405G) 11, 12 (1 HOUR CLASS)

Integrated Science and Engineering allows students to study Physics and Engineering Technology in a unique way that blends a traditional science course with the principles of engineering and technology. In addition to classroom activities, experiments, and labs, students investigate physics through the design and fabrication of robotic and automated systems. One year of this course satisfies the CSU/UC “g” elective requirement. Robotic competitions are used to test students' skills and abilities.

TRANSPORTATION

The transportation sector is designed to provide a foundation in transportation services for all industrial technology education students in California. The pathways in the Transportation sector emphasize real-world, occupationally relevant experiences of significant scope and depth in three areas: Operations, Structural Repair and Refinishing, and Systems Diagnostics, Service, and Repair. The standards are designed to integrate academic and technical preparation and focus on career awareness, career exploration, and skill preparation in the three pathways. Integral components include classroom, laboratory, and hands-on contextual learning; project- and work-based instruction; and leadership development. The standards in this sector prepare students for continued training, postsecondary education, and entry to a career.

Systems Diagnostics, Service and Repair Pathways

Course ID	Course Description
IA1240	General Auto Mechanics I-IV
IA2545	Auto Service Tech I

GENERAL AUTO MECHANICS (IA1240) 9, 10, 11, 12

This course is designed for students who have little or no experience working on cars and want to learn how to do their own auto maintenance. Some topics to be covered include: shock absorbers, tire repair and balancing, brakes, fan belts, cooling systems, wheel bearings, and lubrication. All projects are designed to help students gain the basic knowledge and skills needed to perform personal auto maintenance. This course is helpful in preparing students for advanced courses in Auto Body Repair and Auto Service Technology. Protective equipment and course enrichment fee will be the responsibility of each participating student.

AUTO SERVICE TECHNICIAN (IA2545) 11, 12 (2 HOUR CLASS)

This course prepares students with entry level job skills for employment in the area of automotive service and minor repair work. Saleable skills are gained in the following and other occupational areas: brake repair, carburetor repair, front end repair, tune-up, transmission service, etc. Note: Students must provide their own work clothing (e.g. coveralls or smock). Protective equipment and course enrichment fee will be the responsibility of each participating student.

MATHEMATICS

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

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

Course	Prerequisites	Why would I take this course?
AP Calculus	Honors Integrated Math III	• I want to pursue science, engineering, or math in college. • It will make me more competitive when applying to colleges. • It is an opportunity to earn college credit.
AP Statistics	Integrated Math III, Honors Integrated Math III, or Concurrently with Honors Integrated Math III	• College majors that don't require Calculus often DO require Statistics. This course would get me a jump start on statistical concepts. • It is an opportunity to earn college credit.
Transition to College-level Mathematics (TCLM)	Integrated Math III or Honors Integrated Math III	• I do not want to take an AP math course. • I want to keep up on my math skills between now and college and be prepared for college entrance exams.
Math Analysis (aka PreCalculus)	Integrated Math III or Honors Integrated Math III	• I want to major in science, engineering, or math but do not feel ready for AP Calculus. This course will prepare me for advanced math courses. • I want to keep up on my math skills between now and college and be prepared for college entrance exams.

INTEGRATED MATH I (P) (MA160) 9, 10, 11, 12

Prerequisite: Multiple measures including previous course grade and Teacher Recommendation

This course focuses on six critical areas, including the Standards for Mathematical Practice: (1) extend understanding of numerical manipulation to algebraic manipulation; (2) synthesize understanding of function; (3) deepen and extend understanding of linear relationships; (4) apply linear models to data that exhibit a linear trend; (5) establish criteria for congruence based on rigid motions; and (6) apply the Pythagorean Theorem to the coordinate plane.

STRATEGIC INTERVENTION MATH (ND0150) 9

Placement based/required on multiple assessments and teacher recommendation.

This course is designed to enrich/support students in Integrated Math I. Algebraic operation calculations, geometric constructions, solving equations of various types, and graphing functions and relations are emphasized. The curriculum is designed to support students in the mastery of the California standards for Integrated Math I.

HONORS INTEGRATED MATH I (P) (MA0160) 9

Prerequisite: Multiple measures including previous course grade and Teacher Recommendation

This course has the same focus as Integrated Math 1, with the addition of six (+) level standards which will comprise a pathway to completing Pre-Calculus material. In addition, students in honors classes investigate the course content and standards with increased rigor and must be proficient at computing, applying processes, problem-solving, and analyzing complex mathematical concepts.

INTEGRATED MATH II (P) (MA260) 10, 11, 12

Prerequisite: Multiple measures including previous course grade and Teacher Recommendation

This course focuses on five critical areas, including the Standards for Mathematical Practice: (1) extend the laws of exponents to rational exponents; (2) compare key characteristics of quadratic functions with those of linear and exponential functions; (3) create and solve equations and inequalities; (4) extend work with probability; and (5) establish criteria for similarity of triangles based on dilations and proportional reasoning.

HONORS INTEGRATED MATH II (P) (MA0260) 10

Prerequisite: Multiple measures including previous course grade and Teacher Recommendation

This course has the same focus as Integrated Math 2, with the addition of seven (+) level standards which will comprise a pathway to completing Pre-Calculus material. In addition, students in honors classes investigate the course content and standards with increased rigor and must be proficient at computing, applying processes, problem-solving, and analyzing complex mathematical concepts.

INTEGRATED MATH III (P) (MA360) 11, 12

Prerequisite: Multiple measures including previous course grade and Teacher Recommendation

This course focus on four critical areas: (1) apply methods from probability and statistics to draw inferences and conclusions from data; (2) expand understanding of functions to include inverse, logarithmic, polynomial, rational, and radical functions; (3) expand right triangle trigonometry to include general triangles; and (4) consolidate functions and geometry to create models and solve contextual problems. The Standards for Mathematical Practice complement the content standards so that students increasingly engage with the subject matter as they grow in mathematical maturity and expertise throughout the elementary, middle, and high school years.

HONORS INTEGRATED MATH III (P) (MA0360) 11, 12

Prerequisite: Multiple measures including previous course grade and Teacher Recommendation

This course has the same focus as Integrated Math 3, with the addition of seven (+) level standards which will comprise a pathway to completing Pre-Calculus Material. In addition, students in honors classes investigate the course content and standards with increased rigor and must be proficient at computing, applying processes, problem-solving, and analyzing complex mathematical concepts.

AP STATISTICS (P) (MA390) 11, 12

Prerequisite: Integrated Math III with a grade of C or better both semesters or concurrently with Honors Math III. It is advised that students with a C in Math III seek the advice of their current teacher or the Statistics teacher before enrolling.

This course is divided into four major areas of study: data analysis, data production, probability, and statistical inference. Included in these areas are topics such as graphs, number summaries, normal distributions, relationships among two variables, introduction to nonlinear data analysis, samples and experiments, probability, random variables, confidence intervals, and testing significance. Particular emphasis is given to online applets and graphing-calculator related activities and preparation for the AP Statistics exam. The College Board charges a fee for the AP Statistics exam.

MATH ANALYSIS (P) (MA350) 10, 11, 12

Prerequisite: Senior that has earned a C or better in Math III both semesters.

This course is divided into four major areas of study: functions, graphs and their applications, trigonometry, and discrete math with data analysis. Included in these areas are the more specific topics of inequalities, exponents, logarithms, trigonometric functions and equations, advanced graphing techniques, analytic geometry, polar coordinates, vectors, and determinants.

TRANSITION TO COLLEGE-LEVEL MATH (TCLM) (P) (MA475) 12

Prerequisite: C grade or better in Integrated Math III.

This is a senior level math course designed to give students a broad-based overview of mathematics. The major areas of emphasis include critical thinking skills, logic, number theory, algebra with matrix theory and business applications, geometry, consumer math with financial analysis, and probability and statistics.

AP CALCULUS AB (P) (MA375) 10, 11, 12

Prerequisite: Hon Math III with a grade of B or better either semesters or with AP teacher approval.

This course covers the traditional topics of differentiation and integration involving functions of a single variable and their applications. Particular emphasis is given to graphing calculator related activities and preparation for the AP Calculus exam. The College Board charges a fee for the AP Calculus AB exam.

AP CALCULUS BC (P) (MA0375) 11, 12

Prerequisite: Hon Math III with a grade of B or better both semesters or with AP teacher approval.

This course is a study of the calculus of infinite series, plane curves, parameterization, polar coordinates, vectors and analytic geometry, vectors in space, vector valued functions and motion in space. All students enrolled in class will be expected to take the AP Exam during the month of May. The College Board charges a fee for the AP Calculus BC exam.

MUSIC

A-G **SYMPHONIC BAND (P) (ADVANCED WINDS)** (MU180) 9, 10, 11, 12

Prerequisite: Entrance by audition only with approval of Band Director.

This course is available to woodwind, brass and percussion players. This is an advanced group. Its purpose is to perform band literature of all types. Activities include concerts, athletic events, festivals, marching competitions, spring tours, and other school events. Additional activities include pep rallies and solo/ensemble festivals. Attendance at concerts and other performances is required.

A-G **CONCERT BAND (P) (INTERMEDIATE WINDS)** (MU150) 9, 10, 11, 12

Prerequisite: Previous participation in a band and/or approval of Band Director.

This course is designed for beginning/intermediate wind instrumentalists and percussionists. Activities include concerts, athletic events, festivals, marching competitions, spring tours, and other school events. Additional activities include pep rallies and solo/ensemble festivals. Attendance at concerts and other performances is required.

A-G **JAZZ BAND (P)** (AA140) 9, 10, 11, 12

Prerequisite: Approval of Instructor.

This class is taught during "A" period and is designed to teach the basics of jazz. Improvisation is stressed along with playing printed music. Concurrent enrollment in Symphonic Band or Concert Band is required with the exception of those playing piano, guitar, or bass guitar.

A-G **COLOR GUARD** (MU170) 9, 10, 11, 12

Prerequisite: Entrance by Audition with Approval of the Band Director.

During the fall marching season this group performs with and is a very important part of the marching band. Activities will include performances at home football games, parades, and marching competitions. Activities may include performances at home basketball games, assemblies and winter guard contests. Performances are a very important part of class activity and are required. Fundraisers to support extracurricular activities may occur.

A-G **BEGINNING GUITAR (P)** (MU1105) 9, 10, 11, 12

This course is intended for students who have little or no experience in playing the guitar. Basic fundamentals of chord and melody playing will be covered using a variety of musical styles. Singing is encouraged. School guitars are available for student use. Guitar may be repeated for credit.

A-G **PIANO LAB (P)** (MU1210) 9, 10, 11, 12

Piano Lab is a one year course for beginning piano students. Using the piano in this full year class, students will learn the basics of music notation, rhythm, melody and harmony. Students progress through instruction utilizing beginning piano books and supplementary materials. Access to a piano/keyboard outside the class is helpful but not necessary. At the completion of Piano Lab, all students will have had instruction, practice and performance in beginning piano music, three major scales, and also tonic, dominant, and sub-dominant chords in three major keys. The curriculum for this beginning-level course covers similar concepts found in the first year of private piano studies.

A-G **CHAMBER ORCHESTRA (P) (ADVANCED STRINGS)** (MU120) 9, 10, 11, 12

Prerequisite: Entrance by audition only with approval of Orchestra Director.

This is an advanced performing group for orchestral stringed instruments. Several types of orchestral literature are explored and performed. Activities may include concerts, music festivals, small ensemble experience, and tours. Concerts and performances are an important part of class activity and participation is required. Fund-raising to support extracurricular activities may also be necessary.

A-G **CONCERT ORCHESTRA (P) (INTERMEDIATE STRINGS)** (MU125) 9, 10, 11, 12

Prerequisite: Previous participation in orchestra and/or approval of Orchestra Director.

This is an intermediate performing group for orchestral stringed instruments. Several types of orchestral literature are explored and performed. Students receive training designed to advance their musical abilities. Activities may include concerts, music festivals, and tours. Concerts and performances are an important part of class activities and participation is required. Fund-raising to support extracurricular activities may also be necessary.

A-G **MADRIGALS (P)** (AA145) 10, 11, 12

Prerequisite: Entrance by audition and approval of the Choir Director.

This course is taught during "A" period. *Madrigals* are an advanced, select ensemble of men and women. A variety of musical styles is explored and performed, from classical to contemporary to show choir. Focus is placed on the development and training of the maturing voice, stage presence, and performance. Many concerts and festivals are scheduled throughout the year, with a major tour being taken in the spring. Fund-raising to support extracurricular activities may be necessary. Concurrent enrollment in Concert Choir is required.

A-G **CANTATE (P) (INTERMEDIATE WOMEN'S ENSEMBLE)** (MU185) 9, 10, 11, 12

Prerequisite: Entrance by audition and approval of Choir Director.

This is an intermediate, select, women's chorus performing a variety of music from classical to contemporary styles. Focus is placed on the training and development of voice, stage presence, and performance. Activities will include concerts and solo and ensemble festivals, with a major tour being taken in the spring. Fund-raising to support extracurricular activities may be necessary.

A-G **CONCERT CHOIR (P)** (MU0130) 9, 10, 11, 12

No previous experience is necessary. A wide variety of musical styles are explored and performed. Focus will be on learning how the voice works, how to develop the singing voice, how to feel comfortable singing in a group, learning to read music, stage presence, and performance. Activities include concerts, festivals, community performances, and a possible tour. Fund-raising to support extracurricular activities may be necessary.

NON-DEPARTMENTAL

OFFICE AIDE (ND100) 11, 12

Prerequisite: Permission of the Counselor and Office Manager with a grade average of C or better.

This course offers student's practical training in office work. The ability to type and maintain regular attendance is required on the part of the student who enrolls in this course. See Danelle Von Aspern in the office to enroll. This is a Pass/Fail course only.

TEACHER AIDE (ND200) 11, 12

Prerequisite: Permission of Counselor and Instructor.

The teacher aide is assigned to a supervisory teacher as a clerical assistant and is expected to perform typing, duplicating, filing, and recording tasks related to the instructional duties of the teacher. See Counselor to enroll. This is a Pass/Fail course only.

WORK EXPERIENCE (WE1726) 11, 12

Prerequisite: Work permit required; 16 years of age & junior or senior; full-time high school student; must meet the district eligibility requirements.

Work Experience Education is an elective class that combines paid employment with classroom instruction. Students must have a job in order to be enrolled in the Work Experience course. Students attend instructor approved jobs during the week, and also attend a mandatory class session once a week at school. Students will develop positive work habits, positive attitudes, self-confidence, and job skills that can be used to locate, secure, and retain employment in the community at large. Students must have teacher-approved, legal employment while enrolled in this elective. Course grade and credit is earned by satisfactory completion of the course requirements. The requirements include attending and participating in class, providing weekly time cards, completing assignments/projects/quizzes satisfactorily and in a timely manner, and maintaining employment. Students should realize that it is a privilege to leave campus and have a recognized on-the-job learning situation. Maintaining satisfactory grades in all other coursework is a requisite for remaining eligible to participate in the WEE program. The course curriculum includes the following: Legal/safety issues; how to get, keep, and leave a job; economic awareness; and career awareness.

NAVY JROTC I (ND0155) 9, 10, 11, 12

This course introduces students to the precepts of citizenship, the elements of leadership, and the value of scholarship in attaining life goals. This course is also designed to engender a sound appreciation for the heritage and traditions of America, with recognition that the role of sea power will be important in America's future and develop in each cadet a growing sense of pride in his/her organization, associations, and self. These elements are pursued at a fundamental level. One year of this course can be used to satisfy the CSU/UC "g" elective requirement. (Fulfills 1 year of PE requirement)

NAVY JROTC II (ND250) 10, 11, 12

The purpose of this course is to build on the general introduction provided in *Navy NJROTC I*, to further develop the traits of citizenship and leadership in students, to introduce cadets to the technical areas of naval science study precepts of science and history as they relate to American sea power, and to engender a deeper awareness of the vital importance of the world oceans to the continued well-being of the United States. The elements of leadership are included through the skill-level required for small group management. One year of this course can be used to satisfy the CSU/UC "g" elective requirement. (Fulfills 1 year of PE requirement)

A-G **NAVY JROTC III** (ND275) 11, 12

Substantial emphasis is placed on further development into the understanding and importance of sea power and national security, naval operations and support functions, military law, and international law of the sea. Demonstration of confidence and proficiency in basic/advanced drill procedures, inspection, ceremonies/parades, and physical fitness training is required. One year of this course can be used to satisfy the CSU/UC "g" elective requirement. (Fulfills 1 year of PE requirement)

A-G **NAVY JROTC IV** (ND375) 12

Practical leadership, organization, and planning are emphasized in this course. Students are placed in charge of lower classes of cadet officers. Their responsibilities are similar to those of junior officers in the Navy. In addition to assisting the Senior Naval Science Instructor/Naval Science Instructor in the regular conduct of classes, cadets act as drill instructors, plan, organize, and conduct NJROTC extra-curricular activities. They also plan, prepare, and present lessons in certain academic areas and evaluate cadets' morale, behavior, and performance in particular classes. One year of this course can be used to satisfy the CSU/UC "g" elective requirement. (Fulfills 1 year of PE requirement)

A-G **CRIMINAL JUSTICE (P)** (RO1410) 11, 12 **[CC]** CTE

This course is designed to introduce students to the field of law enforcement. Students study the development of law enforcement from its earliest beginnings to present day law enforcement in the United States. Students become acquainted with the entire criminal justice system and the numerous career opportunities it offers. One year of this course can be used to satisfy the CSU/UC "g" elective requirement.

A-G **CRIMINAL INVESTIGATION (P)** (ND1450) CTE

Prerequisite: C or better in Criminal Justice

Students will demonstrate the skills, abilities and knowledge to enter a peace officers field-training program, and execute the duties of a peace officer in society. The program will include instruction in communication skills, basic concepts of criminal law, and principles of law enforcement, constitutional law, the criminal justice system and other law related topics. Physical, mental and emotional fitness will be focused on throughout the course as students will be required to maintain a fitness log that addresses the main physical tests they would encounter in a law enforcement academy. Encouragement of participation and performance of Community Services to develop the mindset of a public servant will be a guiding principle and to promote an ongoing involvement in their community. One year of this course can be used to satisfy the CSU/UC "g" elective requirement.

HEALTH SCIENCE

The standards in the Health Science sector represent the academic and technical skills and knowledge students need to pursue a full range of career opportunities in health science and medical technology, from entry level to management as well as technical and professional career specialties. The standards describe what workers need to know and be able to do to contribute to the delivery of safe and effective health care.

Health Science Pathway

Course ID	Course Description
SC1405	Intro to Health Care And Careers
SC1450	Medical Chemistry in the Earth's System
SC350	Anatomy and Physiology
SC1420	Sports Medicine

A-G **INTRODUCTION TO HEALTH CARE AND CAREERS (P)** (SC1405) 9, 10, 11, 12 CTE

This course covers basic information on many aspects of health care to provide a solid foundation of medical history, terminology, patient safety, hospital practices, and health care careers. Medical knowledge is obtained through studies of growth and development, anatomy and physiology, first aid, and vital signs. Life skills such as professionalism, teamwork, leadership, time management, and goal setting are discussed and practiced. One year of this course can be used to satisfy the CSU/UC "d" life science requirement.

A-G **MEDICAL CHEMISTRY IN THE EARTH'S SYSTEM (P)** (SC1450) 10, 11, 12 CTE

(Pending A-G Approval)

Prerequisite: Biology in the Living Earth **(Pending Board Approval)**

Medical Chemistry in the Earth System is a yearlong, college prep alternative chemistry course designed with units related to the Next Generation Science Standards (NGSS) connecting chemistry to the students' everyday life. Students will investigate and apply chemistry and biotechnology concepts to address issues related to essential human needs. The elements and molecules of the human body and the environment will be used to contextualize the standards covered in chemistry. For example, students will calculate a patient's mediation dosage, investigate how medications work to treat diseases, creating IV solutions, relating thermodynamics to food and exercise and applying gas laws to respiration so student understand they are a large chemical factory and interact with chemicals that contribute to their health (or not) and introduce these topics in an interesting manner to stimulate students interest in healthcare, biochemical, and biotechnological professions. Many of the labs conducted within this course will be directly relatable to health fields are taken from the HASPI Medical Chemistry curriculum developed by educators, college professors and health professionals. Integrated throughout the course are career preparation standards learned in the course, which include basic academic skills, communication, interpersonal skills, problem solving, safety, material handling, technological uses and employment literacy. One year of this course can be used to satisfy the CSU/UC "d" physical science requirement.

SPORTS MEDICINE (P) (SC1420) 11, 12
SPORTS MEDICINE II (P) (SC1520) 12

Prerequisite: Anatomy/Physiology or concurrent enrollment

Sports Medicine lays the foundation for further study of Human anatomy and physiology, musculoskeletal kinesiology, biomechanics, sports psychology, nutrition related to the health professions. This biochemical course advances student depth of knowledge from learned concepts in basic biology and chemistry. Students learn how organ systems of the body function, interact and maintain homeostasis through physical activity. This knowledge serves as a platform for laboratories built around physiological responses to injury prevention, recognition, evaluation, post-injury treatment and improving performance. Integrated throughout the course are career preparation standards learned in the course and practiced outside the classroom in clinical settings, which include basic academic skills, communication, interpersonal skills, problem solving, safety, technological uses and employment literacy. One year of this course can be used to satisfy the CSU/UC "d" life science requirement.

PHYSICAL EDUCATION

Physical education courses, required by state law, aligned with state Physical Fitness Test Standards include instruction in health and physical fitness. Adaptations in the program are made to meet individual differences. At times, student will be coached and do athletic drills that pertain to various sports. They will also get the opportunity to do a variety of fitness/exercise based activities including bleacher workouts and Marine Corps Fitness test as a way of teaching them simple to complex fitness strategies.

Using State Standards, Physical education seeks to develop the following objectives: 1) Understanding and promotion of physical fitness; 2) Improvements of physical skills; 3) Acquisitions of social skills; 4) Development of habits of good health; 5) Development of fair play and sportsmanship; 6) Preparation for use of leisure time; and 7) Development of skills in lifetime sports and activities.

PE 9-12 (PE410) 9, 10, 11, 12

This program provides various activities and games for the students to participate in. Physical fitness and a rigorous exercise program are emphasized along with units on swimming, pickleball, ultimate frisbee, football, soccer, physical fitness test, aerobics, volleyball, softball, basketball, and badminton.

The following elective classes also include physical fitness exercises and other selected activities depending on availability of facilities.

STRENGTH AND CONDITIONING (PE1140) 10, 11, 12

Prerequisite – If this class was taken previously you must have passed with a grade of C or better.

The role of strength and conditioning for P.E. students with primary emphasis on application of weight room management, safety, weight lifting techniques, program design, and other aspects of a comprehensive training program. The training program includes speed work outs and cross fitness training, along with fitness training via team sports such as football, soccer and volleyball.

DANCE/CHOREOGRAPHY (PE1175) 9, 10, 11, 12

This course is a beginning class for the student who has had little or no training in dance. Students learn ballet, jazz, tap, and modern dance techniques. Through the introduction of these techniques, students begin to have a working vocabulary of movement that helps them progress into choreography. Students are provided opportunities to perform and create original choreography, music, and costumes. Some aerobic exercise (running, walking) is also included in class. One year of this course satisfies the CSU/UC "f" Visual and Performing Arts requirement.

PE ATHLETICS 9, 10, 11, 12 (6th period and after school)

Prerequisite: Coach's and Assistant Principal's/Student Activities Approval.

1st Semester Sports:	Boys' – Football, Cross Country, Water Polo, Basketball, Wrestling, Soccer;
	Girls' – Volleyball, Tennis, Basketball, Cross Country, Water Polo, Golf, Soccer
2nd Semester Sports:	Boys' – Track, Baseball, Swimming, Golf, Tennis;
	Girls' – Track, Softball, Swimming

ADDITIONAL COURSES WHERE PE CREDIT CAN BE EARNED
NAVY JROTC I (ND0155) 9, 10, 11, 12
NAVY JROTC II (ND250) 10, 11, 12
NAVY JROTC III (ND275) 11, 12
NAVY JROTC IV (ND375) 12

SCIENCE

What advanced science class should I take next year?

Turlock High School requires that every student complete two years of science to graduate- one life science course and one physical science course. However, many students choose to explore other options in the science department based on their college and career goals. Below you will find the variety of advanced science offerings at THS, the prerequisites, and when students should consider taking each course.

Course	Prerequisites	Why would I take this course?
Anatomy & Physiology	Biology Chemistry	• I do not want to take an AP science course. • I want to pursue **healthcare** in college. • It will make me more competitive when applying to colleges.
AP Biology	Biology Chemistry	• I want to pursue **healthcare** in college. • It will make me more competitive when applying to colleges. • It is an opportunity to earn college credit.
AP Chemistry	Biology Chemistry	• I want to pursue **science, healthcare, or engineering** in college. • It will make me more competitive when applying to colleges. • It is an opportunity to earn college credit.
AP Physics	Physics Chemistry	• I want to pursue **science or engineering** in college. • It will make me more competitive when applying to colleges. • It is an opportunity to earn college credit.
AP Environmental Science	Biology Chemistry	• I want to pursue **science or engineering** in college. • It will make me more competitive when applying to colleges. • It is an opportunity to earn college credit.
Sports Medicine	Biology Chemistry	• I do not want to take an AP science course. • I want to pursue **healthcare** in college. • It will make me more competitive when applying to colleges. • As an athlete, I want to be healthy and know how to care for my body.

AP ENVIRONMENTAL SCIENCE (P) (SC0399) 9, 10, 11, 12

Prerequisite: Biology and the Living Earth, a Physical Science, and Int. Math II
Co-requisite: (9th Graders only) Biology and the Living Earth

AP Environmental Science will examine human interactions with the landscape, and in so doing will synthesize the knowledge gained in the prerequisite biological and physical science courses. In addition, course material will focus on the interconnectivity of local Geoscience processes and people. Unit topics for the course include: environmental history, human population, energy, pollution, global climate change, invasive species, solid and toxic waste, environmental policy, and environmental ethics. At the conclusion of the rigorous academic course students will have a better understanding of the interconnectivity of people and the landscape and a better ability to express oral and written opinions. The College Board charges a fee for the AP Environmental Science exam.

BIOLOGY AND THE LIVING EARTH (P) (SC1250) 9, 10, 11, 12

Co-requisite: Integrated Math I

This course will explore standard biological concepts from a phenomenon-based approach. Students will apply their knowledge of Disciplinary Core Ideas to various real-world phenomena such as oceanic dead zones, sudden oak death, and patterns of fossil distribution. Earth and space science concepts will be incorporated at logical points in the curriculum to enhance student learning. Students will view these phenomena through the lenses of the crosscutting concepts, such as Energy and Matter (ecology, biochemistry) or Structure and Function (cells and mitosis and cancer). Students will demonstrate their knowledge in use through their engagement in the Science and Engineering Practices during hands-on activities and labs, including written projects and higher-level laboratory activities.

HONORS BIOLOGY AND THE LIVING EARTH (P) (SC1199) 9, 10, 11, 12

Co-requisite: Integrated Math I
Honors Integrated Math I (Recommended)

Honors Biology is designed for students interested in taking future college-level science courses, and are expected to demonstrate their knowledge through hands-on activities and labs, including written projects and higher-level laboratory activities. This course will explore standard biological concepts from a phenomenon-based approach. Students will apply their knowledge of Disciplinary Core Ideas to various real-world phenomena such as oceanic dead zones, sudden oak death, and patterns of fossil distribution. Earth and space science concepts will be incorporated at logical points in the curriculum to enhance student learning. Students will view these phenomena through the lenses of the crosscutting concepts, such as Energy and Matter (ecology, biochemistry) or Structure and Function (cells and mitosis and cancer).

AP BIOLOGY (P) (SC198) 11, 12

Prerequisite: Biology and Chemistry with a grade of B or better. Student may be concurrently enrolled in Chemistry with permission of the Instructors.

Advanced Placement Biology is a college level course. Students planning to major in liberal arts, as well as those who plan to be science majors, should consider this course. The course is divided into three main biological areas: Molecules and Cells, Organisms and Populations, and Ecology. In addition to high school credit, college credit may be given if a score of 3 or higher is earned on the College Board AP Biology Exam. The College Board charges a fee for the AP Biology exam.

A-G **CHEMISTRY IN THE EARTH'S SYSTEM (P)** (SC1275) 10, 11, 12

Prerequisites: C or better in Integrated Math I
Biology and the Living Earth

Co-requisite: Integrated Math II or higher

This course is a laboratory science course designed to develop an understanding of the chemical nature of our world. Students are required to demonstrate the ability to conduct scientific inquiry and engineering within the context of the Next Generation Science Standards. This course specifically examines the role of chemical properties and processes in driving the Earth system.

A-G **HONORS CHEMISTRY IN THE EARTH'S SYSTEM (P)** (SC1298) 10, 11, 12

Prerequisites: C or better in Honors Integrated Math I
B or better in Integrated Math I
Biology and the Living Earth
Honors Biology and the Living Earth (Recommended)

Co-Requisite: Integrated Math II or Higher
Honors Integrated Math II (Recommended)

Honors Chemistry is designed for students that are interested in taking future college-level science courses, and it includes special emphasis on deep mathematical applications of chemistry concepts. This course is a laboratory science course designed to develop an understanding of the chemical nature of our world. Students are required to demonstrate the ability to conduct scientific inquiry and engineering within the context of the Next Generation Science Standards. This course specifically examines the role of chemical properties and processes in driving the Earth system.

A-G **AP CHEMISTRY (P)** (SC299) 11, 12

Prerequisite: Honors Chemistry in the Earth's System with a grade B or better or Chemistry in the Earth's System with a grade of B or better and consent of the instructor, Int. Math II with a grade B or better or concurrent enrollment with the consent of the instructor.

AP Chemistry is a college level course. Students who have completed *Honors Chemistry* are encouraged to take this course. This course is designed as a second-year chemistry course, prior coursework in chemistry is strongly recommended. The class covers, in depth, the fundamental concepts of chemistry: atomic theory, bonding, types of reactions, kinetics, thermodynamics, and electrochemistry. Performing lab experiments as well as problem solving, is an important part of this class. The course prepares students for the AP Chemistry exam administered by the College Board in May. Passing the test with a score of 3 or better may allow students to earn college credit. The College Board charges a fee for the AP Chemistry exam.

A-G **ANATOMY & PHYSIOLOGY (P)** (SC350) 11, 12 **[CC]** CTE

Prerequisite: Biology and the Living Earth and Chemistry in the Earth's System with a grade of C or better, or concurrent enrollment in Chemistry in the Earth's System with the consent of the instructor.

Anatomy & Physiology is designed for students who are interested in knowing more about the human body and desire a background in human anatomy and physiology. The course includes the study of the structures and functions of the cells, tissues, organs, and organ systems that make up the human body.

A-G **PHYSICS IN THE UNIVERSE (P)** (SC1375) 9, 10, 11, 12

Co-requisite: Integrated Math I

This course is a laboratory science course designed to develop an understanding of the physical nature of our world. Students are required to demonstrate the ability to conduct scientific inquiry and engineering within the context of the Next Generation Science Standards. This course investigates physical laws and theories, relationships of physical phenomena, and the interrelationships of physics to other fields of human endeavor. Topics include traditional physics subjects (Newtonian mechanics: dynamics, momentum, energy; electricity and magnetism; waves) along with related subjects in earth science (plate tectonics; earthquake activity) and astronomy (solar evolution).

A-G **HONORS PHYSICS IN THE UNIVERSE (P)** (SC1398) 9, 10, 11, 12

Co-requisite: Integrated Math II

This is an advance laboratory science course designed to develop an understanding of the physical nature of our world. Students are required to demonstrate the ability to conduct scientific inquiry and engineering within the context of the Next Generation Science Standards. This course investigates physical laws and theories, relationships of physical phenomena, and the interrelationships of physics to other fields of human endeavor. Topics include traditional physics subjects (Newtonian mechanics: dynamics, momentum, energy; electricity and magnetism; waves) along with related subjects in earth science (plate tectonics; earthquake activity) and astronomy (solar evolution). These concepts will be extended and applied to numerous word problems of varying complexity. Students will be challenged to complete multiple application-based projects. This course utilizes more math than standard physics and has more concept foundations than AP Physics 1. The course will also differ from standard physics in the length, depth, and/or complexity per topic. This course prepares students for introductory college-level physics courses such as those regularly required for degrees in engineering, science or some pre-med fields.

A-G **AP PHYSICS 1 (P)** (SC1399) 11, 12

Prerequisite: Int. Math III with a grade of B or better (or) concurrent enrollment in Int. Math III or Honors Int. Math III.

AP Physics 1 is the equivalent to a first-semester college course in algebra-based physics. This course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. Passing the College Board AP Physics 1 Exam with a score of 3 or better may earn college credit. The College Board charges a fee for the AP Physics 1 exam.

ADDITIONAL COURSES WHERE SCIENCE CREDIT CAN BE EARNED
AG CHEMISTRY (P) (AG1230) 10, 11, 12 (physical)
AG BIOLOGY (P) (AG1210) 9, 10 (life)
HON AG SYSTEMS MANAGEMENT (HON ADVANCED INTERDISCIPLINARY SCIENCE FOR SUSTAINABLE AGRICULTURE) (P) (AG1240) 11, 12
ADVANCED ANIMAL AND PLANT PHYSIOLOGY (P) (AG1260) 11, 12
INTRODUCTION TO HEALTH CARE AND CAREERS (P) (SC1405) 9, 10, 11, 12
MEDICAL CHEMISTRY IN THE EARTH'S SYSTEM (P) (SC1450) 10, 11, 12
SPORTS MEDICINE (P) (ND1420) 11, 12

SOCIAL STUDIES

A-G **WORLD HISTORY CULTURES & GEOGRAPHY (P)** (SS250) 10

This is a general survey course that covers the history and geography of the world from ancient civilization to the present, with an emphasis upon contemporary history since the Age of Reason. A primary objective of the course is to help students understand man's past as it relates to today's problems. The content of this course is further reinforced in students' advanced English classes. This course meets the CSU/UC A-G requirements and as such college level work is expected. This includes but is not limited to the following: Research papers, outside of class reports, assignments, and reading. This course includes a TUSD community service requirement of 5 hours. Attendance and participation are factored into final grades throughout all courses in the Social Studies Department.

A-G **AP WORLD HISTORY: MODERN (P)** (SS297) 10

Prerequisite: Requirements include the willingness to meet with the Instructor in a general spring meeting and to complete individual summer reading and writing prior to entering the class in the fall.

AP World History is a challenging course that is structured around the investigation of selected themes woven into key concepts covering distinct chronological periods; these themes are: Interaction between humans and the environment; development and interaction of cultures; state-building, expansion and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures. AP World History is equivalent to an introductory college survey course. The course has a three-fold purpose. First, it is designed to prepare students for successful placement into higher-level college and university history courses. Second, it is designed to develop skills of analysis and thinking in order to prepare students for success in the twenty-first century. Finally, it is the intent of this class to make the learning of world history an enjoyable experience. This course fulfills the World History requirement and includes a TUSD community service requirement of 5 hours. All students are encouraged to take the AP World History examination in addition to the regular school semester finals. Taking AP World History: Modern is highly recommended before taking AP US History. The College Board charges a fee for the AP World History exam.

A-G **U.S. HISTORY (P)** (SS350) 11

This course is a general survey course that covers the political, economic, and social history of the United States from the period of discovery to the present. Emphasis is placed upon American institutions, ideals, and politics of the 20th Century. This course meets the CSU/UC A-G requirements and as such college level work is expected. This includes but is not limited to the following: Research papers, outside of class reports, assignments, and reading. This course includes a TUSD community service requirement of 5 hours. Attendance and participation are factored into final grades throughout all courses in the Social Studies Department.

A-G **AP U.S. HISTORY (P)** (SS398) 11

Prerequisite: Requirements include the willingness to meet with the Instructor in a general spring meeting and to complete individual summer reading and writing prior to entering the class in the fall.

AP U.S. History is an intensely challenging class that is designed to be the equivalent of an introductory college survey course and can earn students college credit. The material covered includes American history from discovery to present. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis is placed on encountering and retaining a vast amount of historical data, critical thinking, essay writing, interpretation of original documents, research skills, and understanding historiography. This course includes a TUSD community service requirement of 5 hours. All students are expected to take the AP U.S. History examination in addition to the regular school semester final. The College Board charges a fee for the AP U.S. History exam**.**

AMERICAN GOVERNMENT (P) (SS420) 12 (ONE SEMESTER)

This course covers American government, emphasizing principles of the Constitution and the Declaration of Independence, as well as the principles of state and local government. Some California government is also included. This is a one-semester companion course to be taken in conjunction with *Economics (P)*. This course meets the CSU/UC A-G requirements and as such college level work is expected. This includes but is not limited to the following: Research papers, outside of class reports, assignments, and reading. This course includes a TUSD community service requirement of 10 hours. Attendance and participation are factored into final grades throughout all courses in the Social Studies Department.

ECONOMICS (P) (SS420) 12 (ONE SEMESTER)

This course is an introduction to the principles of economic analysis, economic institutions, and issues of economic policy. It provides students with a body of concepts and economic theory so that they can make independent, well-considered judgments on important problems and public policy issues. This is a one-semester companion course to be taken in conjunction with *American Government (P).* This course meets the CSU/UC A-G requirements and as such college level work is expected. This includes but is not limited to the following: Research papers, outside of class reports, assignments, and reading. Attendance and participation are factored into final grades throughout all courses in the Social Studies Department.

AP AMERICAN GOVERNMENT (P) (SS499) 12 (ONE SEMESTER)

This course is an advanced study of American government and economics involving intensive reading, writing, and class discussion in political theory and practice. Emphasis is on the operation of the federal government, elections, and public opinion. This course includes a TUSD community service requirement of 10 hours. This class prepares students to take the AP American Government examination in May. The College Board charges a fee for the AP American Government exam.

AP MACROECONOMICS (P) (SS1499) 12 (ONE SEMESTER)

Can government policies stimulate a distressed economy? How much government should be involved in the economy? What impact do interest rates have on the average consumer and the economy overall? How do tariffs affect global markets? The purpose of the AP Macroeconomics course is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. It includes an introduction to the definitions, concepts and tools required for analysis of economies. The course includes a focus on current events, case studies, supplement lectures, and class discussion. Major topics include mechanisms of supply and demand, price-level determination, inflation, unemployment, national income, monetary and fiscal policy decision making, economic performance measures, and international finance. This is an important course for those considering a career in business, marketing, or finance and a required course for many college degrees. This class prepares students to take the AP Macroeconomics examination in May. The College Board charges a fee for the AP Macroeconomics exam.

PSYCHOLOGY (P) (SS1345) 11, 12

What makes people tick? That is the basic question of Psychology. This course includes a study of the following units: Abnormal Behavior, Personality and Its Development, Mental and Emotional Health, Intelligence and Thinking, Learning, Memory, and Sleep and Dreaming. This is an elective course and does not meet Social Studies graduation requirements. This course meets the CSU/UC "g" elective requirement and as such college level work is expected. This includes but is not limited to the following: Research papers, outside of class reports, assignments, and reading. Attendance and participation are factored into final grades throughout all courses in the Social Studies Department. One year of this course satisfies the CSU/UC "g" elective requirement.

AP PSYCHOLOGY (P) (SS1399) 11, 12

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavioral and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. One year of this course satisfies the CSU/UC “g” elective requirement. The College Board charges a fee for the AP Psychology exam.

AP HUMAN GEOGRAPHY (P) (SS1199) 9, 10, 11, 12

Grade 9 Prerequisite: Concurrent enrollment in Honors English 9.

Human geography is the study of where humans and their activities and institutions such as ethnic groups, cities, and industries are located and why they are there. Human geographers also study the interactions of humans and their environment and draw on some basic elements of physical geography. The following units of study will be covered: Maps, Population, Migration, Folk and Popular Culture, Language, Religion, Ethnicity, Political Geography, Development, Agriculture, Industry, Services, Urban Patterns, and Resource Issues. This is an elective course and does not meet Social Studies graduation requirements. This course is designed to be the equivalent of an introductory college survey course and can earn students college credits. One year of this course satisfies the CSU/UC “a” history/social science requirement. All students are encouraged to take the AP Human Geography examination in May. The College Board charges a fee for the AP Human Geography exam.

THE ROLE OF SPORTS IN AMERICAN HISTORY (P) (SS1350) 11, 12

Sports have played a major role in shaping our country. This course is designed to give students an understanding of the role sports have played in American History. Particular attention will be given to the social, economic, and political impact sports have had in the 19th and 20th centuries. Students will gain a better appreciation of how various sports have influenced/shaped our American culture. This course meets the CSU/UC “g” elective requirement and as such college level work is expected. This includes, but is not limited to the following: research papers, outside of class projects, assignments, and various readings. This course will also include guest-speakers and field trips. One year of this course can be used to satisfy the CSU/UC "g" elective requirement.

SPECIAL EDUCATION

Turlock High School provides a full range of services to accommodate our special needs population. Parents and teachers of students who are in need of special services should consult the student's counselor.

ENGLISH FUNDAMENTALS (SE1600) 9, 10, 11, 12
ENGLISH CORE A (SE1450) 9, 10, 11, 12
ENGLISH CORE B (SE1475) 9, 10,11, 12

This course is for students who qualify for the learning handicapped program based on the student's IEP that combines the California State Standards for 9th/10th and 10th/11th grade English curriculum based on reading, writing strategies, reading intervention program based on the State Standards for students who score far below basic and below basic on the reading component of the STAR. TEXTS: *EDGE* program texts, *HAMPTON - BROWN*, and 9th thru 12th grade core novel and nonfiction works.

TUTORIAL (SE870) 9, 10, 11, 12

Prerequisite: Student must have an IEP that designates him or her as being qualified to be in RS Tutorial.

This class is specifically for students who qualify in the Resource Program based on the student's Individual Education Plan (IEP). The focus of the class is to support the students in their regular education core classes. The teacher acts as a facilitator. He or she prompts the students to be successful in regular education classes and communicates with the regular education teachers on an as needed basis. Students are graded based on their organization, preparedness, and participation.

WORLD HISTORY C & G A (SE840) 9, 10, 11, 12
U S HISTORY A (SE841) 9, 10, 11, 12
AMERICAN GOVERNMENT/ECONOMICS A (SE842) 9, 10, 11, 12

History A is designed for students who qualify for special education in a special day class setting. The students in this class must have an Individual Educational Plan (IEP) designating them as students with special needs. This course covers graduation requirements for World History, US History and American Government/Economics which are offered on a three year rotational block. This class is designed to cover the same areas that are covered in the regular education core curriculum for World History, US History, and American Government/ Economics, but the content of the classes is modified to meet the needs of students with serious learning difficulties.

LIFE SCIENCE A (SE844) 9, 10, 11, 12
PHYSICAL SCIENCE A (SE845) 9, 10, 11, 12

Science A is designed for students who qualify for special education in a special day class setting. The students in this class must have an Individual Educational Plan (IEP) designating them as students with special needs. This course covers graduation requirements for physical and life science in a two year rotational block. The class is designed to cover the same areas that are covered in the regular education core curriculum for these subjects but the content of the classes are modified to meet the needs of students with serious learning difficulties.

TRANSITION PROGRAM PLANNING (TPP) (SE826 or SE806) 12

The Transition Program Planning (TPP) is a career training class for senior students who have an Individual Educational Plan (IEP) and qualify for special education. THS instructs students on employment skills necessary to secure and keep a job. THS also instructs students how to apply for college and gain daily living skills necessary to be successful after high school. A job developer also assists students with finding a job and helps connect the students with local businesses.

MATH A (SE801) 9, 10, 11, 12

This course is designed primarily for students who are not expected to meet general secondary course requirements leading to a high school diploma. The students taking Math A for the requirement for graduation will receive a certificate of completion unless the student moves on to the regular education Algebra coursework after completing Math A. The objective of this course is to provide instruction for the "survival" needs in the community as well as to provide basic math fundamentals which can transfer to higher learning. In some cases, with higher functioning students, the course objective is to develop the math skills necessary for students to enter the regular education math placement.

INTEGRATED MATH IA (MA1160) 9, 10, 11

Prerequisite: 10th-12th: Teacher Recommendation

This course will teach the first semester of Integrated Math 1 over an entire school year. This course focuses on six critical areas, including the Standards for Mathematical Practice: (1) extend understanding of numerical manipulation to algebraic manipulation; (2) synthesize understanding of function; (3) deepen and extend understanding of linear relationships; (4) apply linear models to data that exhibit a linear trend; (5) establish criteria for congruence based on rigid motions; and (6) apply the Pythagorean Theorem to the coordinate plane.

INTEGRATED MATH IB (MA1260) 10, 11, 12

Prerequisite: 10th-12th: Teacher Recommendation

This course will teach the second semester of Integrated Math 1 over an entire school year. **Completion of Integrated Math 1A (both semesters) and 1B (both semesters) with a passing grade will meet the Algebra requirement for a high school diploma**. This course focuses on six critical areas, including the Standards for Mathematical Practice: (1) extend understanding of numerical manipulation to algebraic manipulation; (2) synthesize understanding of function; (3) deepen and extend understanding of linear relationships; (4) apply linear models to data that exhibit a linear trend; (5) establish criteria for congruence based on rigid motions; and (6) apply the Pythagorean Theorem to the coordinate plane.

LIFE MANAGEMENT (SE1175) 9, 10, 11, 12

The overarching purpose of Life Management is to empower student to choose an "I can" attitude in making healthy life choices. Although many circumstances are beyond a teen's control, their response to those events is something they can control and with the right foundation they will understand that they have the power to make positive choices and find success in life, even in the face of overcoming personal hardships. A variety of topics will be covered including self-esteem, life skills, money management, and media literacy.

WORLD LANGUAGE

SPANISH I (P) (FL0100) 9, 10, 11, 12

This course is designed to teach students about the language and culture of the Spanish and Latin American people. This course emphasizes communication, basic grammar and syntax, and simple vocabulary so that students can read, write, speak, and comprehend at a basic level.

SPANISH II (P) (FL0101) 9, 10, 11, 12

Prerequisite: Spanish I with a grade of C or better.

This course provides students the opportunity to expand upon what they have learned in *Spanish I*, increasing their conversational skills and building a more extensive vocabulary. This course continues to develop pronunciation, listening skills, and comprehension. This course also teaches students to appreciate the Spanish and Latin American cultures by further acquainting students with art, literature, customs, and history of the Spanish-speaking people.

SPANISH III (P) (FL0201) 10, 11, 12

Prerequisite: Spanish II with a grade of C or better.

This course focuses on having students express more complex concepts both orally and in writing, as well as comprehend and react to native speech. Development of reading and comprehension skills continues. The course also teaches students to appreciate the Spanish and Latin American cultures by further acquainting students with art, literature, customs, and history of the Spanish-speaking people.

SPANISH FOR HERITAGE SPEAKERS (P) (LOTE Level 2) (FL0150) 9, 10, 11, 12

(A short writing sample in Spanish will determine if the student's level of written Spanish is appropriate for this class)

Spanish for Heritage Speakers is designed to develop the language and literacy skills of Heritage Learners—those students who speak and understand Spanish in the home with some fluency and have some or limited skills in reading and writing Spanish.

SPANISH FOR SPANISH SPEAKERS (P) (LOTE Level 3) (FL0175) 9, 10, 11, 12

This course supports, reinforces, and builds upon students' knowledge and skills in their primary language. This class further develops already existing writing and reading skills as well as literary skills. This course also features a strong cultural component, focusing primarily on the study of histories, cultures, and literature within the Spanish-speaking world.

AP SPANISH LANGUAGE & CULTURE (P) (LOTE Level 4) (FL0301) 9, 10, 11, 12

Prerequisite: Spanish for Spanish Speakers or Spanish III with a grade of C or better or Teacher Recommendation.

Building upon students' prior knowledge of Spanish, this course develops students' abilities to understand and express themselves accurately, coherently, and fluently in Spanish to prepare to take the Advanced Placement Spanish Language exam. Students accomplish this through expository and literature-based instruction. This course further develops improvement in all areas (e.g. pronunciations, reading, comprehension, listening comprehension, writing, and oral communication) to prepare for the AP Spanish Language exam. Students develop an extensive vocabulary to understand texts, magazine/newspaper articles, films, and television productions. Students who successfully complete this course may take the the AP Literature course. The College Board charges a fee for the AP Spanish Language exam. However, fee waivers and fund raisers are available to help defray the cost.

AP SPANISH LITERATURE & CULTURE (P) (LOTE Level 4) (FL0375) 10, 11, 12

Students continue to develop reading, writing, and academic vocabulary skills, using the literature of Spain and the Spanish-speaking people of Latin America. Students accomplish this by reading and analyzing the literature required for the Advanced Placement Literature exam. Students gain an understanding of the history and culture of Spanish speaking countries. The College Board charges a fee for the AP Spanish Literature exam. However, fee waivers and fund raisers are available to help defray the cost.

LATIN/MEXICAN AMERICAN STUDIES (P) (FL1355) 11, 12

Prerequisite: AP Spanish Language and Culture AND AP Spanish Literature with a C or better.

Latin/Mexican American Studies, taught in Spanish, is the cultural study of people of the Latin American inheritance, with a major focus on Mexican Americans. This includes the study of cultural, economic, educational, business, and political issues that impact the development of Mexican and other Latin American cultures from their beginning to present day. In this course we will be studying key occurrences and historical figures that have made an impact on Mexican and other Latin American civilizations and traditions. Furthermore, we will especially be focusing on leaders who have been catalysts and achievers within these societies, namely business and entrepreneurial leaders. In order to do this, we will be tracing Mexican and other Latin American culture from their origins in the early 1600's to present day, hypothesizing on how historical incidents affected modern day culture. Also, we will be paralleling similar historic events that occurred in the United States and other countries having to do with themes relating to our topic of discussion at that time. Furthermore, students will be expected to synthesize current topics of discussions and form their own observations and opinions. (Note: All readings, discussions, lectures, homework, projects, and essays will be in Spanish.) One year of this course can be used to satisfy the CSU/UC "e" Foreign Language requirement.

PORTUGUESE I (P) (FL0130) 9, 10, 11, 12

This course is designed to teach students about the language and culture of Portuguese speakers around the world. The first-year course emphasizes communication, basic grammar and syntax, and simple vocabulary so that students can read, write, speak, and comprehend at a basic level.

PORTUGUESE II (P) (FL0131) 9, 10 11, 12

Prerequisite: Portuguese I with a grade of C or better.

This course provides students the opportunity to expand upon what they have learned in Portuguese I, increasing their conversational skills and building a more extensive vocabulary. This course continues to develop pronunciations, listening skills, and comprehension. This course also teaches students to appreciate the Portuguese culture by further acquainting students with the art, literature, music, customs, and history of the Portuguese-speaking people.

PORTUGUESE III (P) (FL0231) 10, 11, 12

Prerequisite: Portuguese II with a grade of C or better.

This course focuses on having students express more complex concepts both orally and in writing, as well as comprehend and react to native speech. Development of reading and comprehension skill continues. The course also teaches students to appreciate the Portuguese culture by further acquainting students with the art, literature, music, customs, and history of the Portuguese-speaking people.

21st CENTURY SKILLS

HEALTH & CHARACTER EDUCATION (P) (ND1112) 9 **[CC]**

The health component is designed to assist students with becoming health-literate individuals who can obtain accurate information, develop lifelong positive health-related attitudes and behaviors, and make wise decisions related to their personal health. The focus of this course is to empower students with the knowledge and skills to be their own health advocate. Topics discussed include personal and community health, mental, emotional and social health, nutrition and physical activity, alcohol, tobacco, and other drugs, and growth, development, and sexual health. Character development, based on 18 character traits, analysis of ethical dilemmas, leadership skills, use of role models and learning digital citizenship will also be included in this course. Good Health-Good Character. This course can be used to satisfy one semester of the CSU/UC "g" elective requirement.

COLLEGE & CAREER SEMINAR (P) (ND1113) 9 **[CC]**

College and Career Seminar is a one-semester course designed to help students learn and practice and develop valuable skills essential for college and career readiness. Students will demonstrate their understanding of career paths through a variety of assessments, projects, job simulations, speeches, research assignments, online portfolio, and a research paper. Students will identify academic interests, skills, values and personality types, research employers and industries, gain experience with public speaking and interview skills, familiarize themselves with college and job search tools, strengthen writing skills, learn goal setting, solidify research techniques, and write a research paper utilizing correct MLA format. Study skills (AVID-like) and basic technology skills will be included in this course. This course can be used to satisfy one semester of the CSU/UC "g" elective requirement.