
DUBLIN HIGH SCHOOL

“THE GAEL FORCE”



ADMINISTRATION

Principal..... Carol R. Shimizu
Assistant Principal..... Bill Branca
Assistant Principal..... Maureen Byrne
Assistant Principal..... Kara Holthe

Superintendent - Stephen L. Hanke, Ed.D.
Assistant Superintendent, Human Resources - Valerie Williams
Assistant Superintendent, Educational Services - Tim McCarty, Ed.D.
Assistant Superintendent, Business Services - Beverly Heironimus
Director of Secondary Education - Bryce Custodio, M.A., M.S.

Course Selection Handbook

2014 – 2015

Table of Contents

Preface	1
Course and Grading Policies	2
Change of Schedule Policy	3
AP and Honors Requirements	3
DUSD Diploma Program	4
4-year Plan Samples/Calculate Your GPA	5
What's Your Four Year Plan?	6
CSU/UC Entrance Requirements	7
DHS Career Pathways	9
Important Websites	25
Arts, Visual and Performing	
<i>Visual Arts</i>	
Drawing	26
Sculpture & Ceramics	26
Two Dimensional Design	26
Inter. Drawing and Painting	26
Video Production	27
ROP Animation and Motion Graphics	27
ROP Visual Communications	27
<i>Drama</i>	
Drama	27
Advanced Drama	28
Production Management	28
<i>Music</i>	
Jazz Ensemble	28
Woodwind/Brass	28
Percussion	29
Orchestra	29
Concert Choir	29
Chamber Singers	29
Show Choir	29
AP Music Theory	30
Consumer and Family Studies	
Child Growth and Development	30
Consumer Health/Employ.Ed.(CHEE)	30
Culinary Arts 1 and 2	30
International Cuisine	31
Baking and Pastry	31
Catering	31
Advanced Catering	31
Fabrics & Fashion	32
Interior Design	32
Health	32
Home Econ. 101	32

English	
English 1 and 1 Advanced	32
English 2 and 2 Advanced	33
English 3 and 3H-American Literature	33
AP English Language and Composition	34
English 4	34
AP English Literature and Composition	34
Expository Reading and Writing	34
Science Fiction Literature	34
<i>English Academic Support Electives</i>	
CAHSEE Preparation	35
ESL Classes	35
ESL Tutorial	35
<i>English Electives</i>	
Journalism	35
Speech and Debate	35
Mathematics	
Algebra Skills	36
Algebra I	36
Algebra IB	37
Informal Geometry	37
Geometry	37
Algebra II Sem. 1	37
Algebra II	37
Algebra II with Trigonometry	38
Business Algebra II	38
Statistics	38
AP Statistics	38
Trigonometry	38
Trigonometry/Pre-Calculus	39
Calculus	39
AP Calculus AB	39
AP Calculus BC	39
<i>Math Electives</i>	
Personal Finance	39
Construction Math	40
Physical Education	
9 th Grade Physical Education	40
Athletic PE	40
Fitness Blast	40
Individual Sports	40
Modified Physical Education	40
Team Sports	41
Weight Lifting	41
Walking for Fitness	41

Science		Moderate /Severe SDC	51
		Lifskills SDC	51
		Developmentally Delayed SDC	51
		Transition Program	51
Conceptual Physics	41		
Biology	42		
Biology with Research	42		
Chemistry	42		
Honors Chemistry	42		
Earth Science	43		
Anatomy & Physiology	43		
Honors Anatomy & Physiology	43		
Forensic Science	43		
Biomedical Science	43		
Biotechnology	44		
Physics	44		
AP Biology	44		
AP Chemistry	44		
AP Physics	45		
ROP Environmental Science	45		
ROP AP Environmental Science	45		
ROP Alternative & Renewable Energy	45		
Social Studies			
World History	46		
AP European History	46		
U.S. History	46		
AP U.S. History	46		
Economics	47		
Civics	47		
AP U.S. Government and Politics	47		
Psychology	47		
AP Psychology	48		
America in the 1960s	48		
The Civil War in America	48		
Law and Society	48		
Ethnic & Cultural Diversity in America	48		
Special Education			
RSP English 1/2	49		
RSP English 3/4	49		
RSP World History	49		
RSP Elective Tutorial	49		
SDC English	49		
SDC Mathematics	50		
SDC World History	50		
SDC U.S. History	50		
Economics	50		
Civics	50		
SDC Science	50		
SDC Elective Tutorial	50		
Counseling Enriched SDC	51		
		World Language	
		French 1- AP French	51-52
		Spanish 1-AP Spanish	52-53
		Mandarin 1- AP Chinese	53-54
		American Sign Language 1	54
		Non Departmental	
		AVID	54
		AVID Tutor	55
		Student Assistant	55
		Student Leadership	55
		Freshman Leadership	55
		Yearbook	56
		Engineering Courses	
		Intro to Engineering Design	56
		Principles of Engineering	56
		Computer Programming	56
		Digital Electronics	56
		Computer Integrated Manufacturing	57
		Computer Science/Software Eng.	57
		Civil Engin. and Architecture	57
		Tri-Valley ROP Classes	
		General Information	57
		ROP Sports Medicine	58
		ROP Medical Occupations	59
		ROP Nursing Careers	59
		ROP Criminal Justice/CSI	59
		ROP Water Pollution Control	59
		ROP Environmental Science	60
		ROP AP Environmental Science	60
		ROP Alternate Renewable Energy	60
		ROP Auto Collision Repair	60
		ROP Auto Specialist	61
		ROP Cosmetology	61
		ROP Developmental Psych. Of Children	61
		ROP Dev. Psych of Children II	62
		ROP Marketing	62
		ROP Sports Marketing	62
		ROP Economics of Business Ownership	63
		ROP Animation	63
		ROP Visual Communicatians	63
		ROP Video Game Art & Design	64
		ROP CIM	64
		ROP Civil Engin. and Architecture	64

PREFACE

By opening this handbook, students are beginning the process of planning their high school career pathway. To ensure the selection of appropriate courses, you are encouraged to work cooperatively with your counselor, teachers and parents/guardians. The choices you will make are important because they will affect your future. This handbook has been prepared to help you make these decisions.

Counseling and guidance services are available to students throughout your four years in high school. Counselors work with you not only to make plans for the present, but to assist you in planning for the future, as well. They evaluate educational and vocational information and help you to relate this information to your own talents and interests. Counselors also assist you in evaluating study time and developing techniques that aid you in the organization of school work. Your personal needs, to the extent that they affect your performance in school, are also of concern to your counselor.

Our Counseling Department consists of:

Kim Halket	Head Counselor-A-D & Engineering	833-3300 x 7278
Caroline Rubio	Counselor-E-K & AVID	833-3300 x 7022
Cynthia Walker	Counselor- L-Q & ELD	833-3300 x 7055
Eric Calloway	Counselor- R-Z	833-3300 x 7021
Gloria DaSilva	Counselor-At-Risk	833-3300 x 7004
Denise Watts	Registrar	833-3300 x 7016
Maryann Campisi	Counseling Secretary	833-3300 x 7050
Monica Dowden	Data Processing	833-3300 x 7014
Alexis Glubka	Career Center/ROP Specialist & Scholarship Coordinator	833-3300 x 7220

SELECTION OF COURSES

Certain courses are required of all students, while others, (elective courses) are of your own choosing. The brief course descriptions which follow will inform you of the general nature of each course. Please consider these carefully, and with the help of a parent/guardian, teacher or counselor decide on the program of study. Students not meeting prerequisites must have parent/guardian arrange a conference with the lead teacher, counselor and/or administrator. ***When registering, you should indicate several elective choices, because conflicts may make first choices difficult to schedule. The elective courses listed will be offered only if there is sufficient enrollment. Due to scheduling conflicts, course changes may not be possible. Therefore, make your selections wisely.***

PLANNING A COURSE OF STUDY

Keep in mind that you will be planning a course of study for the *full* school year; you will make choices for both Fall and Spring semesters. Course selection changes may not be made after April 8.

REPEATING CLASSES

In order for a student to repeat a class for the purpose of improving a grade, or to raise his/her grade point average (GPA), the student and parent/guardian need to be aware of the following:

- A student cannot receive credit twice for the same class. That is to say, even though the student received a grade of "D", this *does* constitute passing the class at the high school level. If a student wants to repeat a class to improve the letter grade of "D" s/he will receive credit only once.
- A grade of "D" is not accepted by colleges as completion of a requirement. This includes Honors and Advanced Placement courses.
- Loss of credits as a result of repeating a class may result in the reclassification of the student due to insufficient credits for the grade level.

GRADING SYSTEM

Dublin High School issues letter grades for all courses. A grade of pass or fail is not an option.

<u>Grading System</u>	<u>Grade Points</u>	<u>Weighted (AP and approved Honors Courses)</u>
A = Excellent	4	5
B = Good	3	4
C = Average	2	3
D = Passing	1	1
F = Failure	0	0

LENGTH OF SCHOOL DAY

The regular school day consists of six periods for all students. The six-period day begins at 8:00am and ends at 2:46pm. Students may vary the length of their day only under certain conditions:

7 Period Day: With parent/guardian and counselor approval, students may enroll in a limited number of classes offered before or after the regular school day to extend their day to one which includes seven periods.

Regional Occupational Program: These courses generally consist of two class periods and are conducted at various locations throughout the valley. In some cases a student's schedule must include a travel period in order to accommodate these programs.

Dublin High School Counseling Department
Change of Schedule Policy

Schedule changes **will** be honored for the following reasons during the first 5 days of each semester:

- 1) **Level Change Within Department-** teacher recommends change of level or student needs next class level (i.e., Spanish 1 to Spanish 2)
- 2) **Repeated Class-** necessary course was completed in summer school
- 3) **“Hole” in Schedule-** missing a class during the six-period day
- 4) **ROP-** transportation/ schedule conflict
- 5) **Student Assistant Assignment-** only if the assignment is for a class on original course selection sheet and has been approved by the student’s counselor

Schedule changes **will not** be granted for the following reasons:

- 1) Change of teacher
- 2) Change of sequence of classes during the day
- 3) Change of elective classes that are different from original course selection sheet
- 4) Change of academic classes if currently passing the class with a grade of D or higher

*There may be exceptions to the general policy of changing classes including balancing classes, cancelled classes and administrative requests. Direct any questions regarding this policy to the Head Counselor.

Requirements for Enrolling in AP and Honors Classes

In order to enroll in Honors and AP classes:

- 1) Students and parents should attend the Honors/AP Night.
- 2) Students must obtain a teacher recommendation to enroll in the class.
- 3) Students must complete the prerequisite class (see course catalog).
Students must complete entrance requirements (i.e: English and Social Studies Departments require students to complete an entrance test)
- 4) Student and parent must sign an AP/Honors contract agreeing to the responsibilities and expectations of the course
- 5) New students who transfer from AP and Honors classes at a previous school will be allowed to continue at DHS pending space availability

If you meet the above criteria and are placed in Honors and/or Advanced Placement classes during spring scheduling, you may **not** drop the class(es). You and your parents have made a commitment to this schedule and are required to complete at least one semester of the advanced class.

Please see your counselor if you have any questions or concerns.



DUBLIN UNIFIED SCHOOL DISTRICT DIPLOMA PROGRAM



DIPLOMA

English Mathematics (Must include Algebra and Geometry)	40 30	4 Years 3 Years
Science (Must include two years of lab science: one life science and one physical science)	30	3 Years
Social Studies	30	3 Years
Physical Education	20	2 Years
Visual/Performing/ Applied Arts/ World Language	20	2 Years (Must include 2 of 3 areas)

Beginning 2016

Visual/Performing/ Applied Arts	10	1 Year
World Language (May include one year at the middle school)	20	or 2 Years

Health/CHEE Electives	5 55 (45 in 2016)	1 Semester
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TOTAL = 230 Credits

Students must pass requirement for a proficiency exam - currently CAHSEE

Effective Class of 2012

DIPLOMA WITH DISTINCTION

English (P) Mathematics (P) (Geometry, Algebra II and an additional college prep math course with increased rigor)	40 30	4 Years 3 Years
Science (P) (Must include two years of lab science: one life science and one physical science)	30	and 3 Levels
Social Studies (P)	30	3 Years
Physical Education	20	2 Years
Visual/Performing Arts (P)	10	1 Year
World Language (P)	20	2 Levels of the same language (First year course may be completed at middle school)

Health/CHEE Electives (Must include one year of a college prep elective)	5 45	1 Semester
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TOTAL = 230 Credits

Students must pass requirement for a proficiency exam - currently CAHSEE

Effective Class of 2012

ADVANCED SCHOLAR DIPLOMA

English (P) Mathematics (P) (Geometry, Algebra II and two additional college prep math courses with increased rigor)	40 40	4 Years 4 Years
Science (P) (Must include two years of lab science: one life science and one physical science)	40	and 4 Levels
Social Studies (P)	30	3 Years
Physical Education	20	2 Years
Visual/Performing Arts (P)	10	1 Year
World Language (P)	30	3 Levels of the same language (First year course may be completed at middle school)

Health/CHEE Electives (Must include one year of a college prep elective)	5 15	1 Semester
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TOTAL = 230 Credits

In addition, the following must be met:

- Grades of "C" or better
- GPA of 3.5 and above
- Obtain Golden State Merit Seal Status
- Course work must include a minimum of six (6) Advanced, Honors, AP or transferable college courses
- 50 hours of approved community service
- Participation in one season of a DHS sport or one year in a DHS club/organization

Students must pass requirement for a proficiency exam - currently CAHSEE

Effective Class of 2011

Four-year Plan- SAMPLES

Following is a SAMPLE “Four-year Plan” meeting the minimum requirements for **University of California*** and **California State University**:

9th Grade Courses (Core Program)		10th Grade Courses (Core Program)	
Fall semester	Spring semester	Fall semester	Spring semester
1) English 1	1) English 1	1) English 2●	1) English 2●
2) Algebra 1	2) Algebra 1	2) Geometry	2) Geometry
3) World Language	3) World Language	3) World History	3) World History
4) PE 9	4) PE 9	4) Biology	4) Biology
5) Conceptual Physics	5) Conceptual Physics	5) PE 10/Health	5) PE 10/Health
6) Visual/Perform. Arts	6) Visual/Perform. Arts	6) World Lang 1/2	6) World Lang 1/2

11th Grade Courses		12th Grade Courses	
Fall semester	Spring semester	Fall semester	Spring semester
1) English 3●	1) English 3●	1) English 4●◆	1) English 4●◆
2) U.S. History◆	2) U.S. History◆	2) Civics/Economics	2) Civics/Economics
3) Algebra II	3) Algebra II	3) Math Elective♣	3) Math Elective♣
4) World Lang 2 /3	4) World Lang 2/3	4) World Lang. 3/4♠	4) World Lang. 3/4♠
5) Chemistry●◆	5) Chemistry●◆	5) Science Elective♥	5) Science Elective♥
6) Elective/PE	6) Elective	6) Elective	6) Elective

* U.C. recommends exceeding minimum entrance requirements.

◆ Advanced Placement classes are encouraged if student is eligible.

♠ 3 years of World Language recommended.

● Advanced/Honors classes are encouraged if eligible.

♣ 4 years of Math recommended.

♥ 3 years of Laboratory Science recommended.

Community College Requirement

California residents are eligible to apply for admission to a community college if they are high school graduates, or, if they are over 18 years of age and not a high school graduate, they may be admitted on probation. If you are interested in completing the Transfer Program in a community college to a university, we recommend that you follow the 4-year college plan above.

How to Calculate Your College GPA

Using only the classes in grades 10-11 that are listed on our a-g list/
classes with a (P) or (HP) on your transcript, count the following grades:

_____ A's x 4 = _____

_____ B's x 3 = _____

_____ C's x 2 = _____

_____ D's x 1 = _____

+ _____ # of Honor/AP Classes (up to 8 semesters)

Totals

(a) _____

(b) _____

Divide total points-total (b) by number of classes- total (a)

What's Your Four year Plan?

Grade	Required Courses	Student Courses	Grade	Units	Career Information and Plans
9 (0-60 credits)	English 1				Career Goal/Major: Supporting Activities: (9-12) Total Credits:
	Math				
	Science				
	Physical Ed.				
	World Lang.				
	Elective				
Summer School:					
10 (61-120 credits)	English 2				Career Goal/Major: If College Bound: <input type="checkbox"/> PSAT <input type="checkbox"/> PLAN Total Credits:
	Math				
	World History				
	Science				
	PE/Health				
	Elective/W Lang.				
Summer School:					
11 (121-180 credits)	English 3				Career Goal/Major: If College Bound: <input type="checkbox"/> PSAT <input type="checkbox"/> SAT <input type="checkbox"/> SAT II <input type="checkbox"/> ACT Total Credits:
	Math				
	U.S. History				
	Science				
	PE/Elective/W Lang				
	Elective				
Summer School:					
12 (181-240 credits)	English 4				Career Goal/Major: <input type="checkbox"/> SAT <input type="checkbox"/> SAT II <input type="checkbox"/> ACT Total Credits:
	Civics/Econ.				
	Elective				
Post High School Goal		<input type="checkbox"/> Work <input type="checkbox"/> Military <input type="checkbox"/> Tech School <input type="checkbox"/> Community College <input type="checkbox"/> 4 year College			Total Credits:

CALIFORNIA STATE UNIVERSITY AND THE UNIVERSITY OF CALIFORNIA ADMISSION REQUIREMENTS

Subject Requirement

You must complete specific high school subjects with at least a "C" in each semester of each course. To see a list of which Dublin High School courses have been approved by the University of California, refer to the following website: http://www.ucop.edu/pathways/infoctr/doorway_index.html

a- History/Social Science – 2 years required

Two years of history/social science, including one year of world history, cultures and geography; and one year of U.S. history or one-half year of U.S. history and one-half year of civics or American government.

b- English – 4 years required

Four years of college-preparatory English that include frequent and regular writing, and reading of classic and modern literature. No more than one year of ESL-type courses can be used to meet this requirement.

c- Mathematics – 3 years required, 4 years recommended

Three years of college-preparatory mathematics that include the topics covered in elementary and advanced algebra and two- and three-dimensional geometry. Approved integrated math courses may be used to fulfill part or all of this requirement, as may math courses taken in the seventh and eighth grades that your high school accepts as equivalent to its own math courses.

d- Laboratory Science – 2 years required, 3 years recommended

Two years of laboratory science providing fundamental knowledge in two of these three foundational subjects: biology, chemistry and physics. Advanced laboratory science classes that have biology, chemistry or physics as prerequisites and offer substantial additional material may be used to fulfill this requirement. The final two years of an approved three-year integrated science program may be used to fulfill this requirement.

e- Language other than English – 2 years required, 3 years recommended

Two years of the same language other than English. Courses should emphasize speaking and understanding, and include instruction in grammar, vocabulary, reading, composition and culture. Courses in languages other than English taken in the seventh and eighth grades may be used to fulfill part of this requirement if your high school accepts them as equivalent to its own courses.

f- Visual and Performing Arts (VPA) – 1 year required

A single yearlong approved arts course from a single VPA discipline: dance, drama/theater, music or visual art.

g- College Preparatory Electives – 1 year required

One year (two semesters), in addition to those required in "a-f" above, chosen from the following areas: visual and performing arts (non-introductory level courses), history, social science, English, advanced mathematics, laboratory science and language other than English (a third year in the language used for the "e" requirement or two years of another language).

UC Eligibility Requirements:

When UC campuses receive more qualified applicants than they have room to accommodate, they turn to something called comprehensive review. Comprehensive review consists of more than a dozen academic and personal factors that are considered in the evaluation process. Admission is offered to students who receive the highest rankings.

Factors the UC System consider:

*Academic grade point average in all completed "a-g" courses, including additional points for completed UC-certified honors courses.

*Scores on the ACT With Writing or SAT Reasoning Test. SAT Subject Tests are optional.

*Number of, content of and performance in academic courses beyond the minimum "a-g" requirements.

*Number of and performance in UC-approved honors and Advanced Placement courses.

*Identification by UC as being ranked in the top 4 percent of their high school class at the end of junior year ("eligible in the local context," or ELC). Beginning with the freshman class entering in fall 2012, students need to be ranked in the top 9 percent of their high school class to be ELC-eligible.

*Quality of a student's senior-year program, as measured by the type and number of academic courses in progress or planned.

*Quality of their academic performance relative to the educational opportunities available in their school.

*Outstanding performance in one or more academic subject areas.

*Outstanding work in one or more special projects in any academic field of study.

*Recent, marked improvement in academic performance, as demonstrated by academic GPA and the quality of coursework completed or in progress.

*Special talents, achievements and awards in a particular field, such as visual and performing arts, communication or athletic endeavors; special skills, such as demonstrated written and oral proficiency in other languages; special interests, such as intensive study and exploration of other cultures; experiences that demonstrate unusual promise for leadership, such as significant community service or significant participation in student government; or other significant experiences or achievements that demonstrate the student's promise for contributing to the intellectual vitality of a campus.

*Completion of special projects undertaken in the context of a student's high school curriculum or in conjunction with special school events, projects or programs.

*Academic accomplishments in light of a student's life experiences and special circumstances.

*Location of a student's secondary school and residence.

CSU Requirements:

The grades you earn in high school are an important factor in CSU admission decisions. Your high school grade point average is calculated using your grades in all your college prep *a-g* classes completed after the 9th grade.

Test scores are required unless you have a grade point average above 3.0 and are a resident of California. The CSU uses a calculation called an eligibility index that combines your high school grade point average with the score you either earn on the SAT or ACT tests. Even if you have a GPA above 3.0, it is useful to take either an SAT Reasoning Test or ACT as the score may indicate if you do not need to take English and math placement tests after you are admitted and before you enroll at the CSU. The eligibility index for out-of-state students is higher and admission requirements for international students are somewhat different. If you have your high school GPA and the results of your SAT or ACT test, then you can calculate your eligibility index. From there you can quickly see whether you meet the minimum admission standards. Remember, some campuses have higher standards for particular majors or those students who live outside the local campus area.

Dublin High School/Tri-Valley Educational Collaborative Career Pathways

A career pathway is a series of course offerings within an industry sector which provides students with a variety of learning opportunities to develop knowledge and skills in the context of a career. The course offerings begin in middle school with opportunities to develop career awareness such as the Career Education class in the 6th grade elective wheel. It expands in high school with career exploration and hands-on, skill application classes such as those offered through the Tri-Valley Regional Occupational Program (ROP), as well as internship and job shadowing experiences. All pathways conclude with some type of post-secondary training/education, and most career pathways end with either a two or four year college degree. DHS currently has thirteen career pathways:

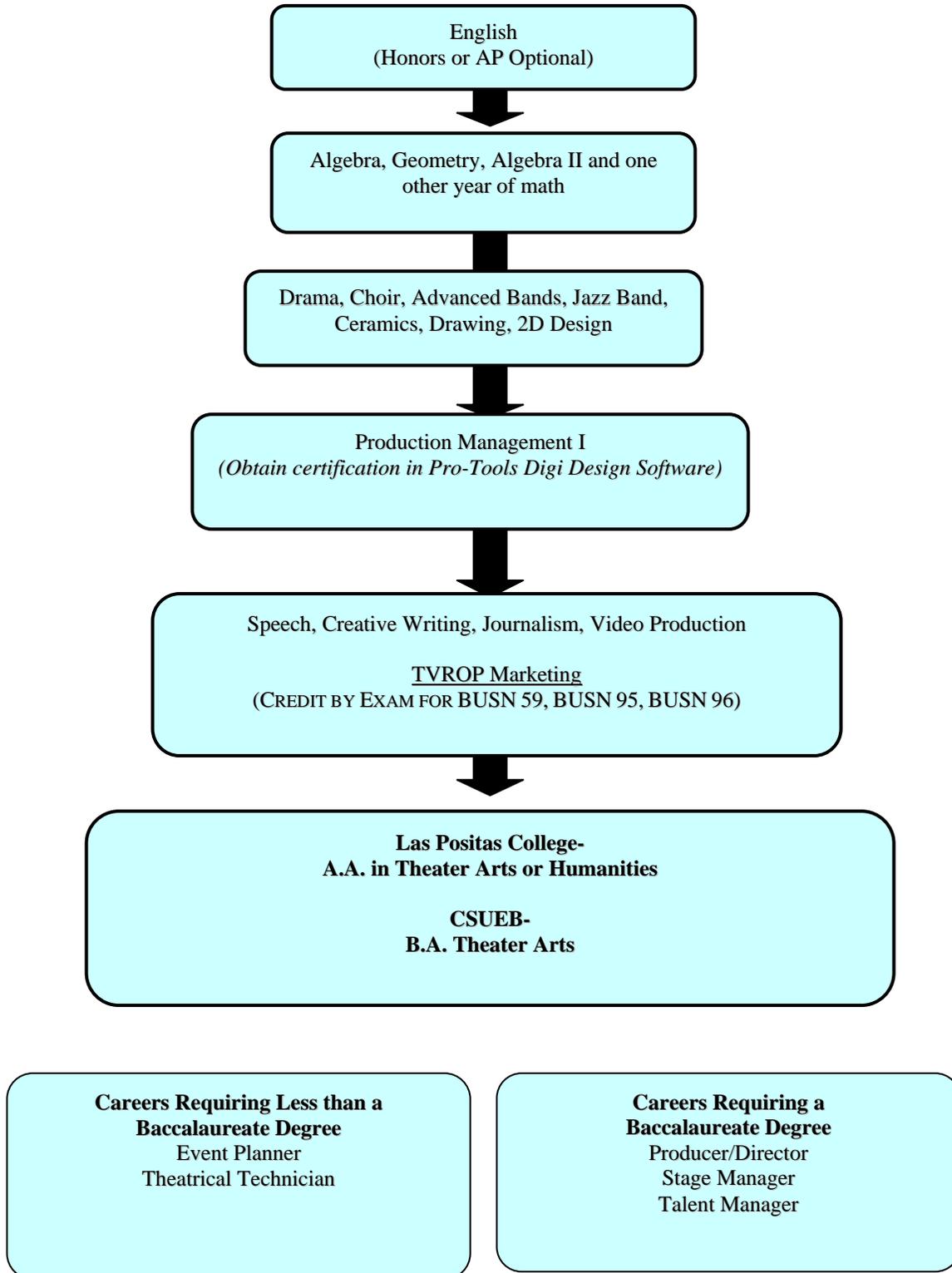
- Biotechnology**
- Design/Visual/Media Arts**
- Energy and Power Technology**
- Engineering Design**
- Fashion and Interior Design**
- Food Service and Hospitality**
- Game Design and Integration**
- Mental and Behavioral Health**
- Patient Care**
- Performing Arts**
- Production and Managerial Arts Production**
- Public Safety**
- Software and Systems Development**
- NEW Health Science and Medical Technology Academy**

For more information on career pathways please see

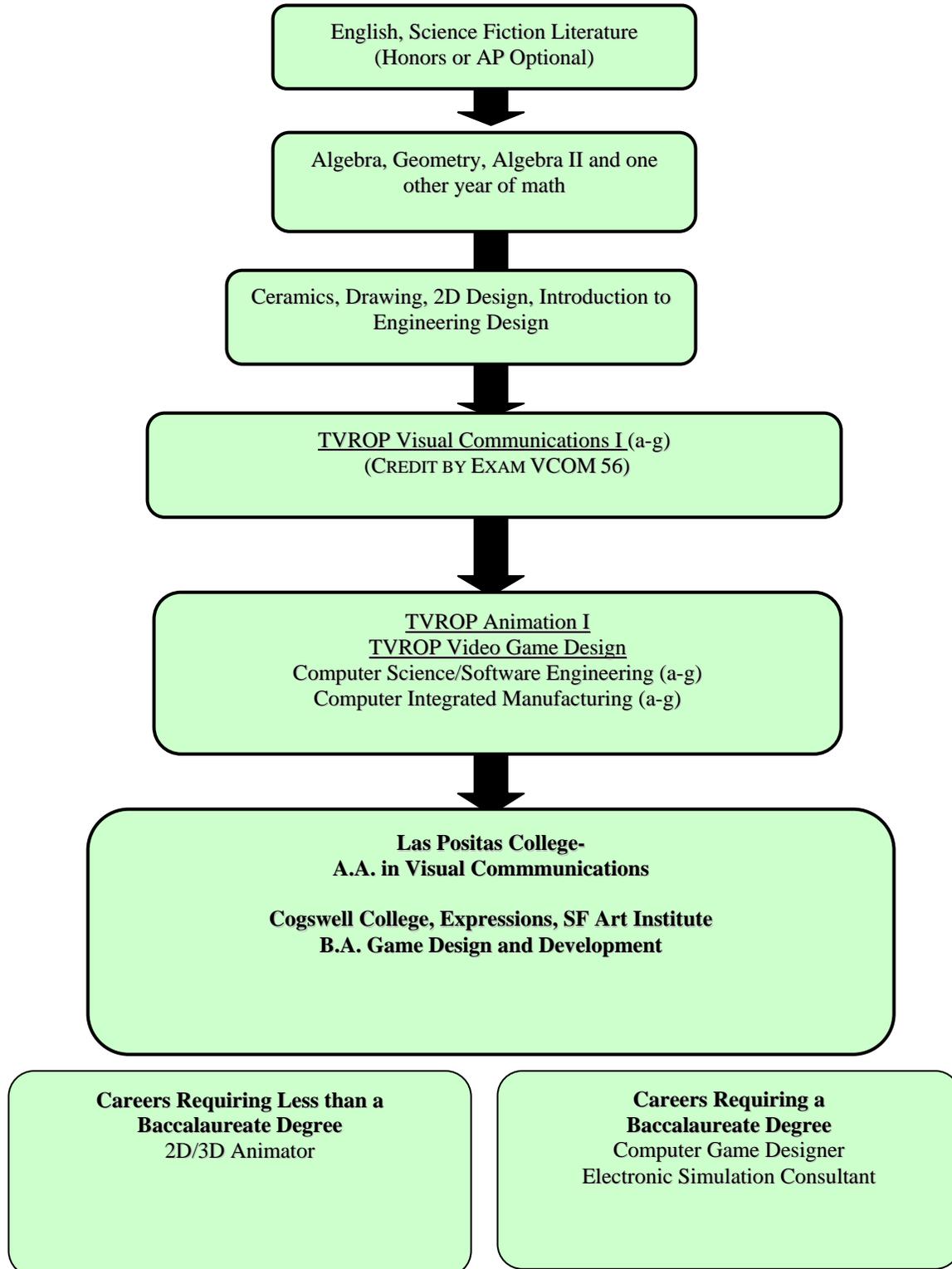
www.laspositascollege.edu/tec



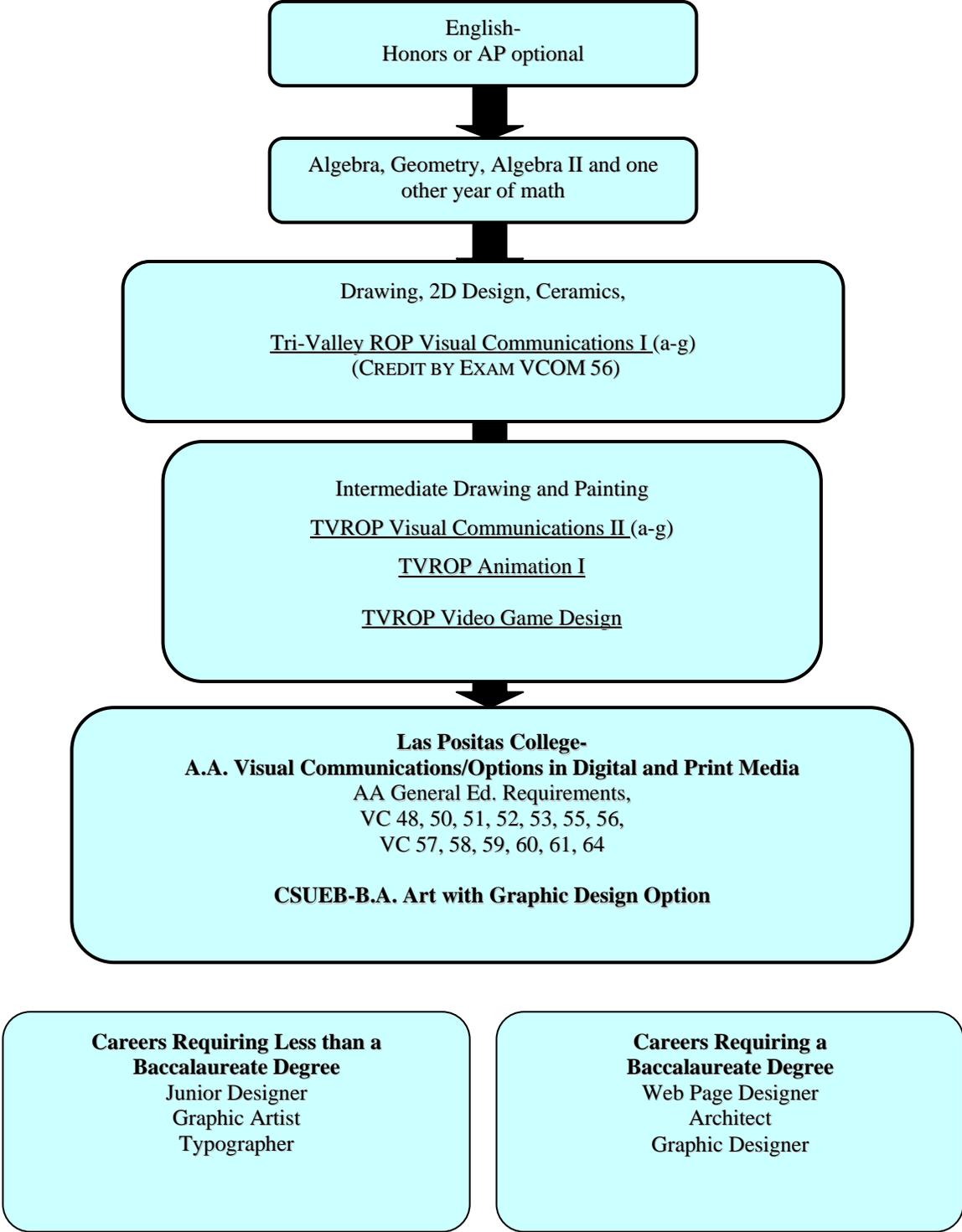
Production and Managerial Arts Pathway



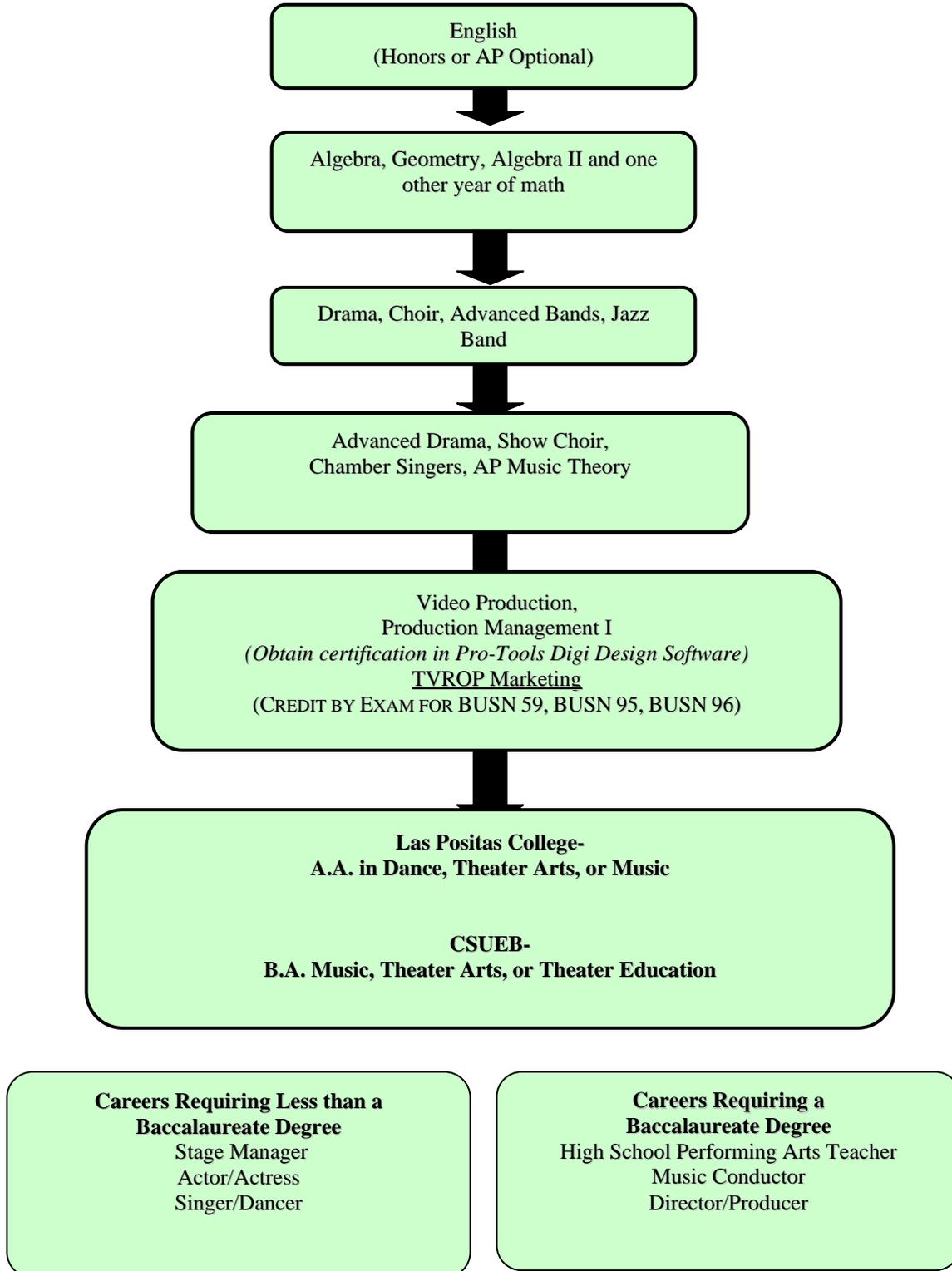
Game Design and Integration Pathway



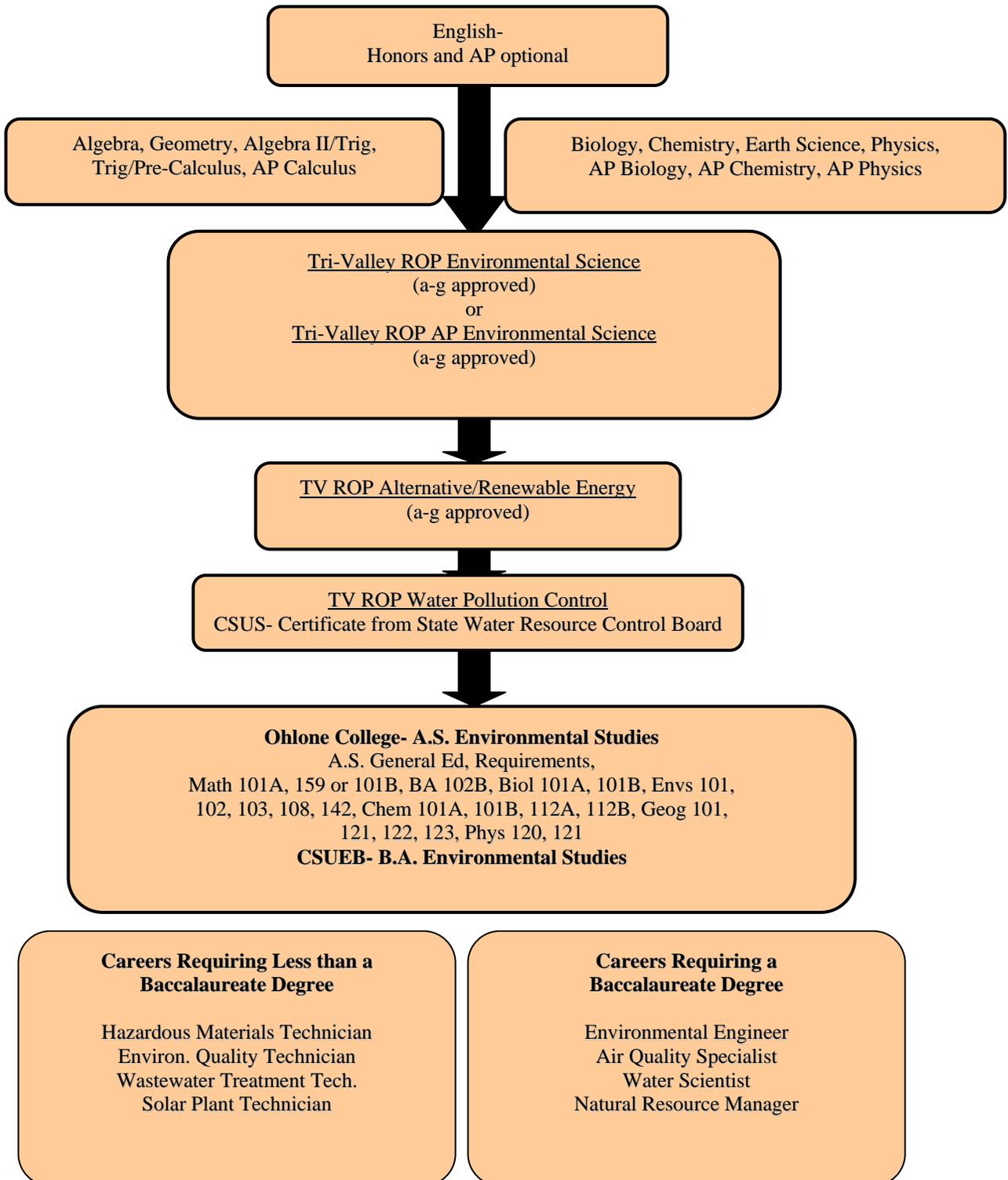
Design/Visual/Media Arts Career Pathway



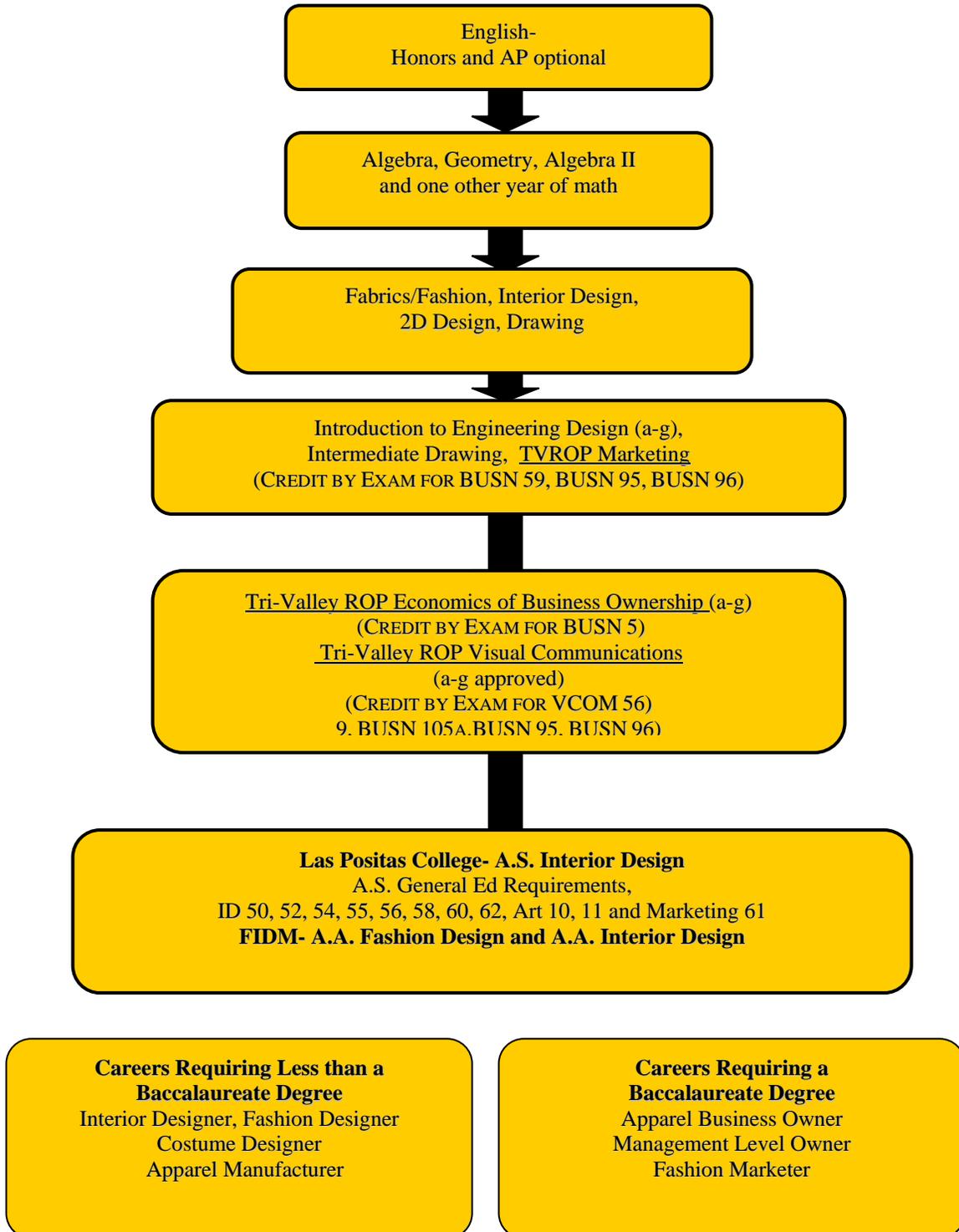
Performing Arts Career Pathway



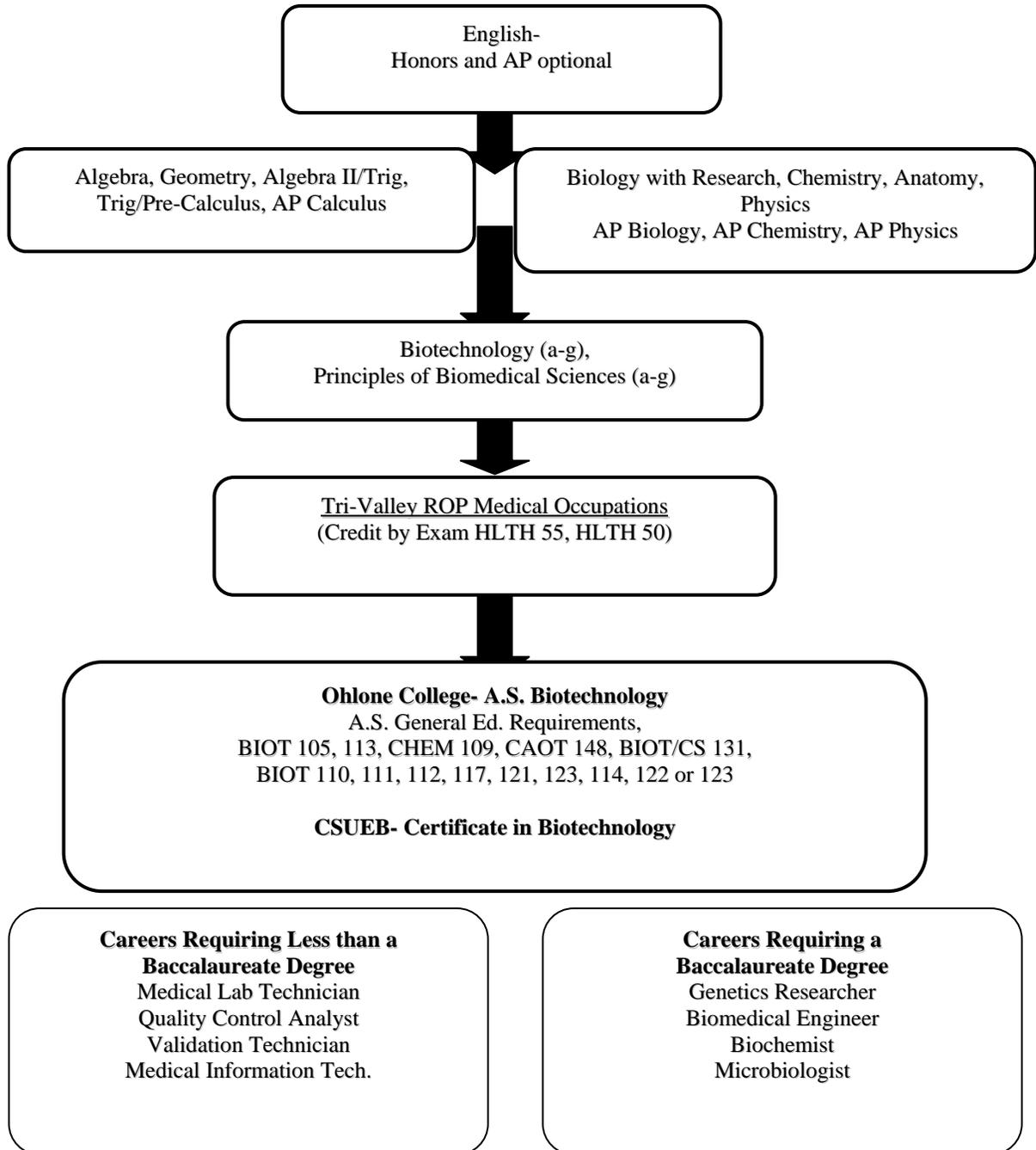
Energy and Power Technology Career Pathway



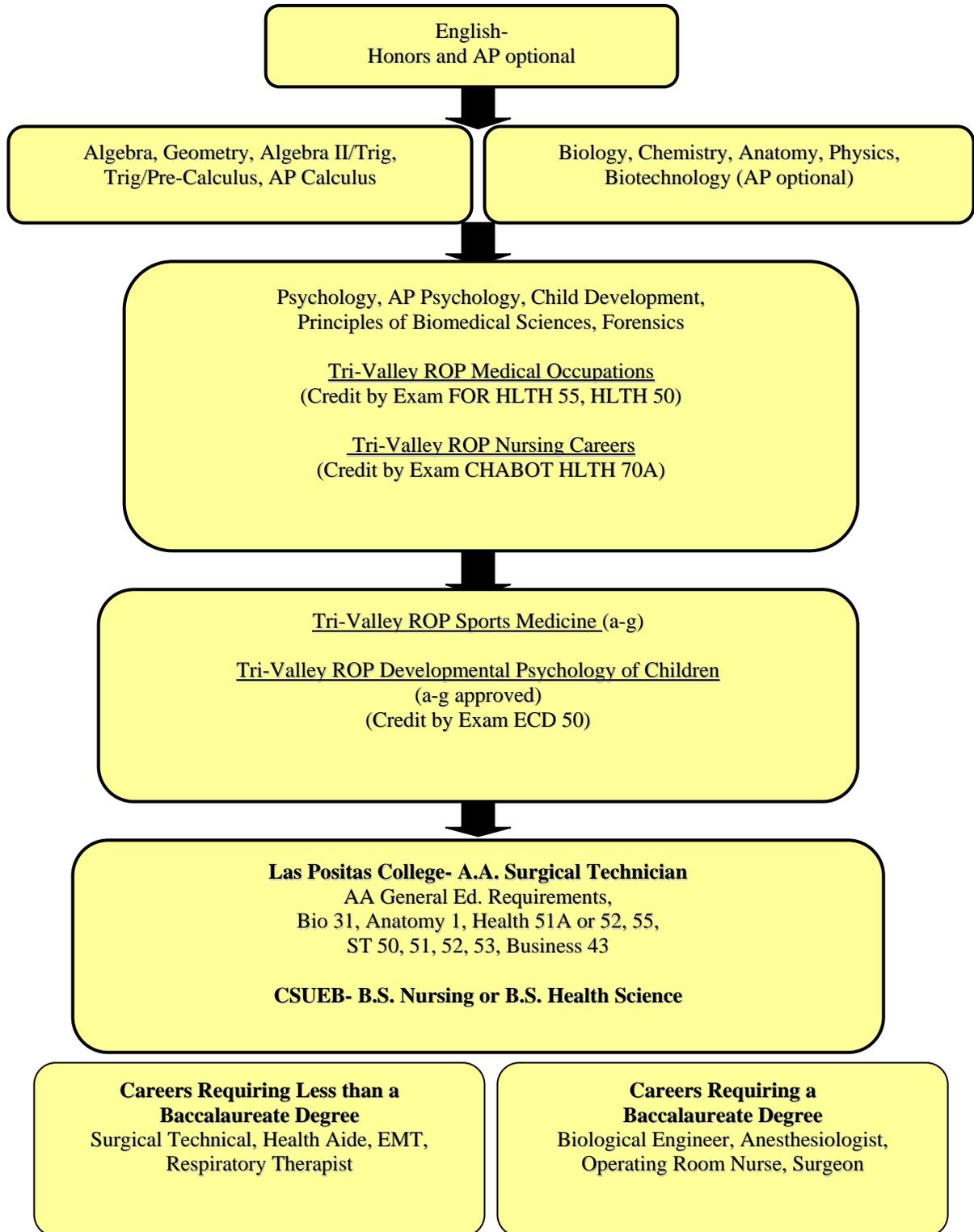
Fashion and Interior Design Career Pathway



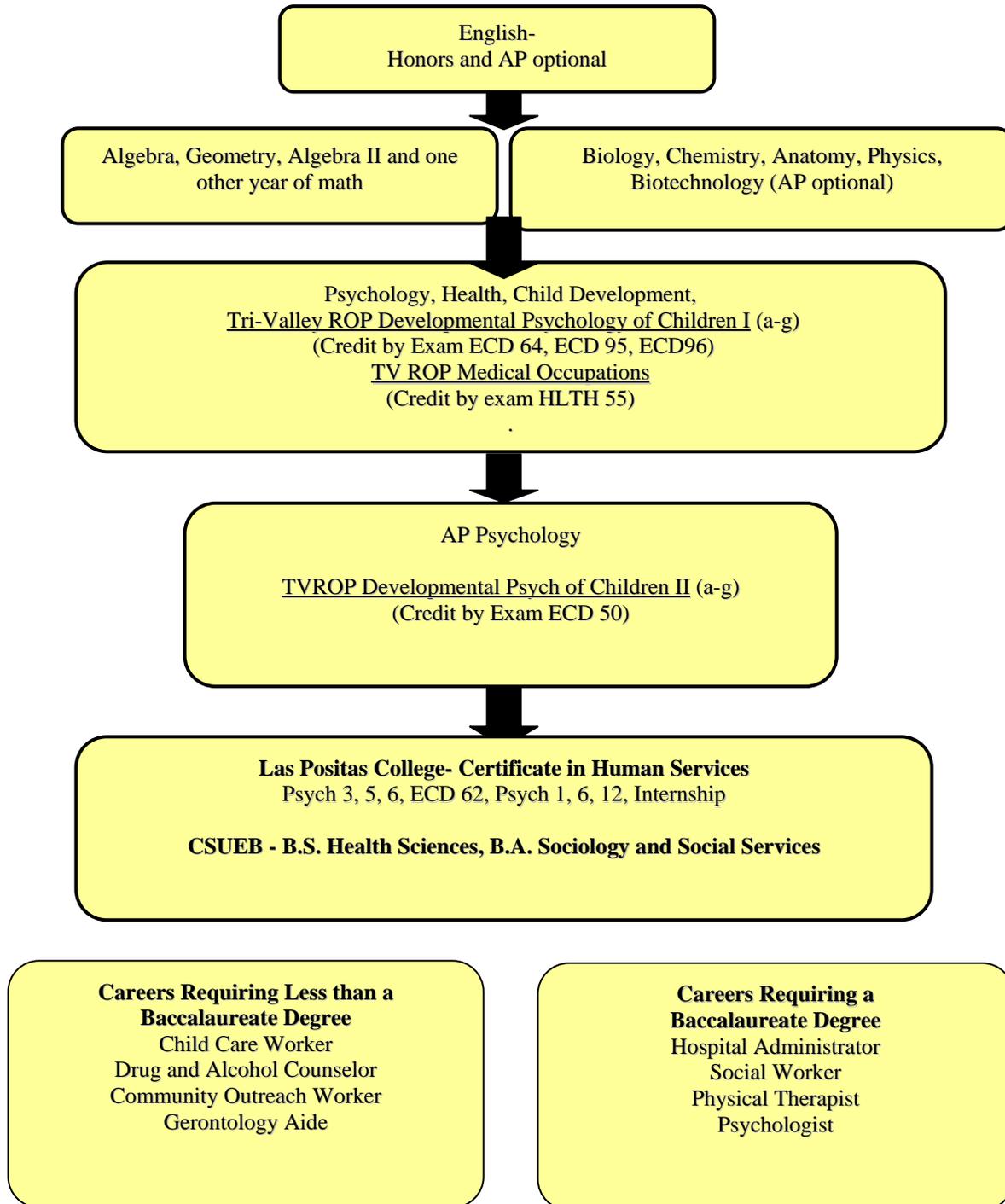
Biotechnology Career Pathway



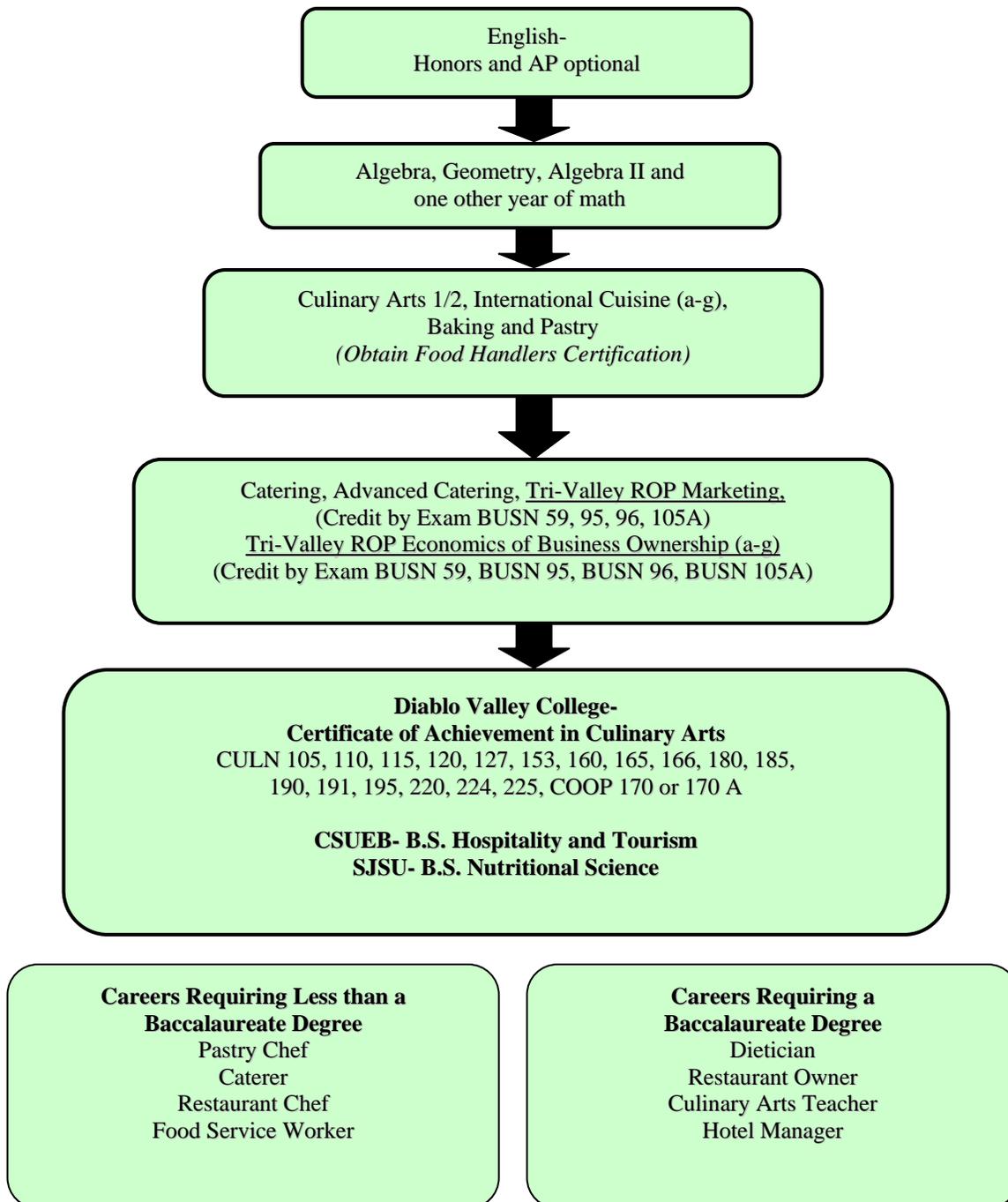
Patient Care Career Pathway



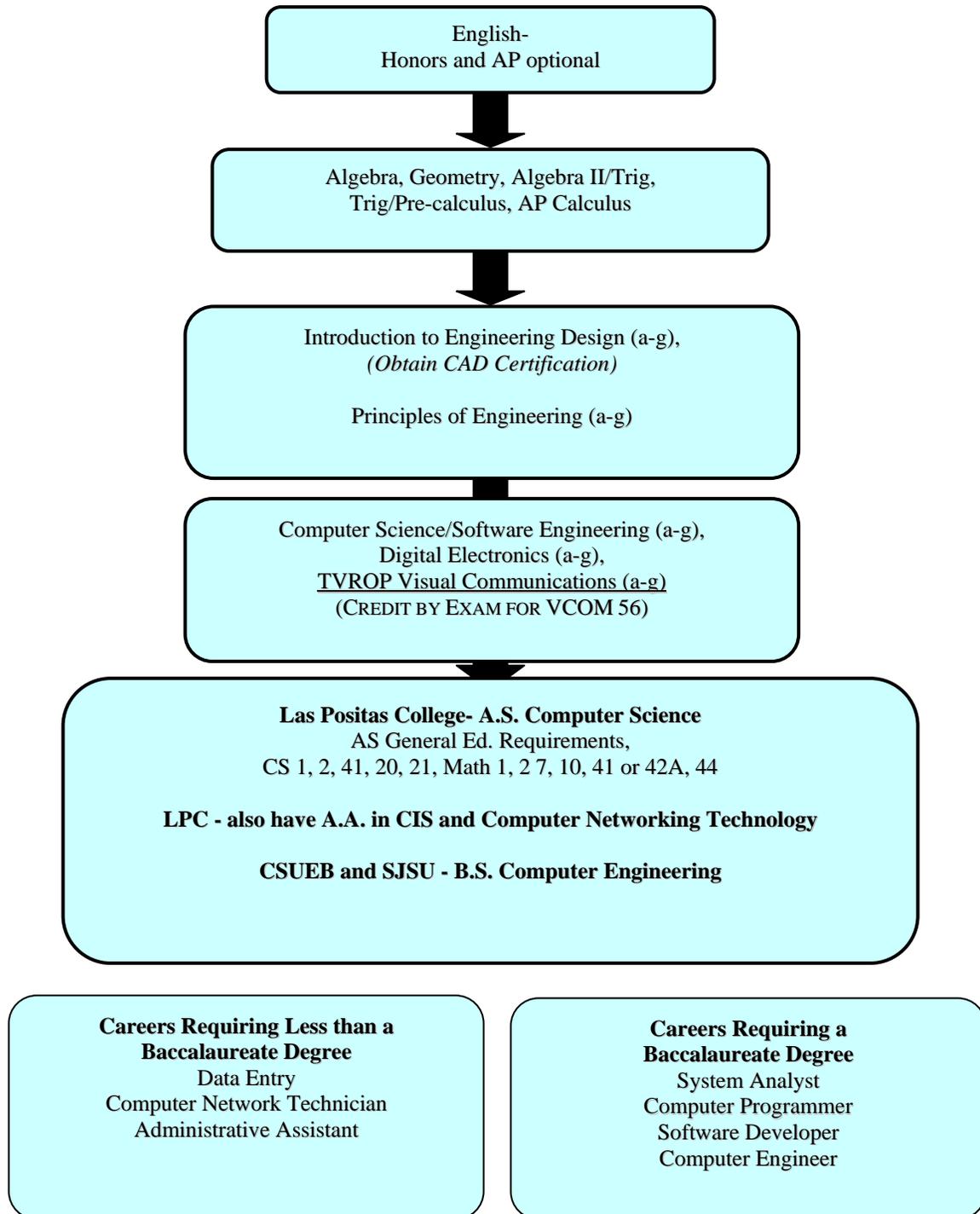
Mental and Behavioral Health Career Pathway



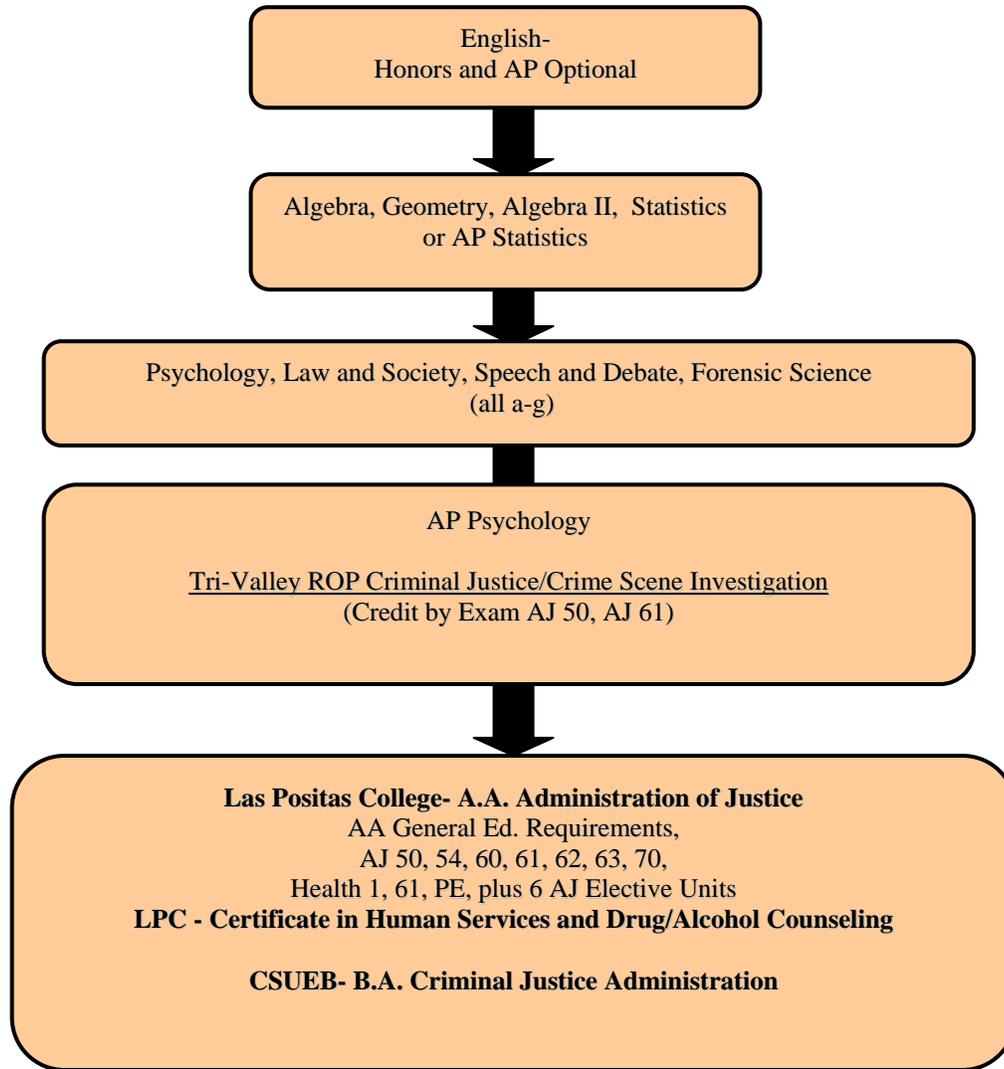
Food Service and Hospitality Career Pathway



Software and Systems Development Career Pathway



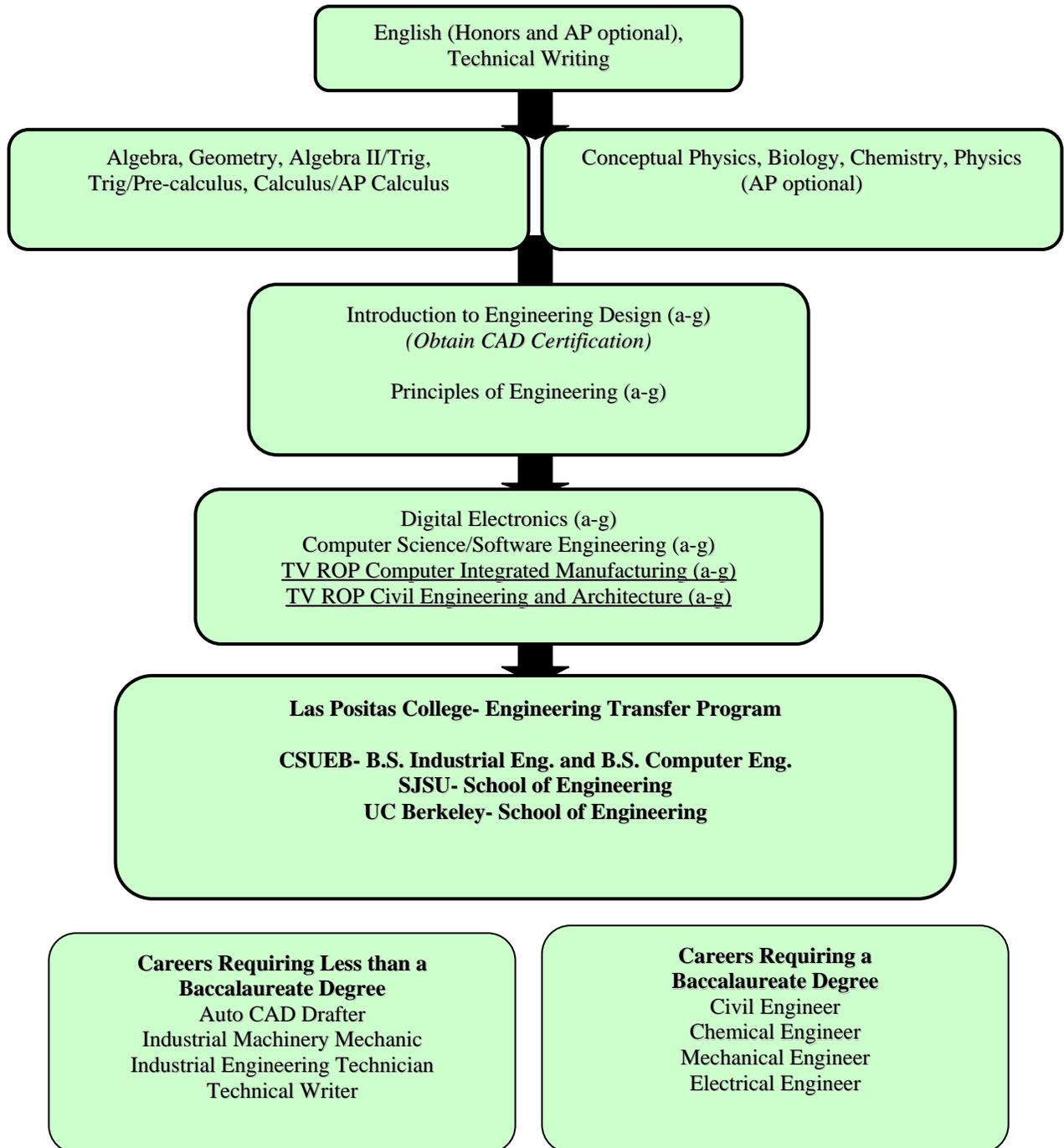
Public Safety Career Pathway



Careers Requiring Less than a Baccalaureate Degree
Police Officer, EMT, Security Personnel, Drug and Alcohol Counselor, Military Service

Careers Requiring a Baccalaureate Degree
Coroner, Police Detective, Federal FBI Agent, Fire Captain

Engineering Design Career Pathway



Dublin High School Health Science and Medical Technology Academy

INTRODUCTION

The Academy will be centered around Project Lead the Way's Biomedical Sciences Program, a well-developed and highly respected curriculum designed to prepare students for a post-secondary education and career in the biomedical sciences. This program consists of a sequence of three required courses, with an optional fourth capstone course. All courses are aligned to the Common Core and Next Generation Science Standards, and will serve as additional courses taken along side traditional science classes. These classes will connect concepts from the various science disciplines to the field of medicine, while allowing hands-on, problem-solving and project-based learning to deepen student understanding of scientific principles and human health. Advanced technology will play a central role in creating real-world learning experiences, through use of 1-to-1 laptops, Vernier probeware, and various biotechnology equipment. Students will be asked to play the role of biomedical professionals, as they investigate cases and then explore the prevention, diagnosis and treatment of the diseases involved. Collaboratively, they will design innovative solutions to common health challenges by researching cutting-edge science. Students and teachers will work as a team across disciplines: English Language Arts, Math, History, and PE.

Through our biomedical pathway, students will develop a deep and practical understanding of biomedical science. In addition, they will acquire invaluable skills including strong communication, collaboration, organization, critical-thinking, and problem-solving that will benefit them in any post secondary field. Students will be exposed to numerous careers in biomedical science, through classroom discussion and through interaction with the community. We believe we will graduate students capable of filling the many roles of health science professionals and assistants, and more than capable of post-secondary academic work.

PLTW Sequence of courses begins with:

Principles of Biomedical Science

Description: Biology meets the real world! This course allows students to apply their knowledge of physiology and genetics as they solve the mystery of a fictional woman's death, beginning with an introduction to DNA, molecular biology techniques, and bioethics. As the units progress throughout the course, students are given more autopsy finding results. Each unit centers around a disease that the victim suffered from at some point, and students will explore medical preventions that might have prolonged her life. The culminating unit leads the students to discern which of these diseases was the actual cause of the woman's death, and to realize the interconnections of the various body systems. The course is hands-on, project-based and utilizes technology as a central learning component.

Important Websites

www.californiacolleges.edu

-explore all post-secondary schools in California including all 2 and 4 year colleges in the state, also includes financial aid and career assessment tools and information.

www.collegedata.com

-Calculate chances of getting into specific colleges using grades and test scores, search schools

www.csumentor.edu

-California State University website, explore campuses, on-line application, career and college major exploration sites, financial aid calculator.

www.ucop.edu

-University of California website, explore campuses, on-line application and admission planning tools. Also, for UC Personal Statement assistance, use www.ucgateways.org

wue.wiche.edu

-Western Interstate Commission for Higher Education-lets residents of Western States enroll in 2 or 4 year colleges outside their own state at a reduced fee

www.collegeboard.com

-official SAT and AP Test website, register for the SAT, sample tests, explore colleges and careers

www.actstudent.org

-official ACT website, register for the ACT, sample tests, explore careers and colleges

www.mymajors.com

-plug in your high school experiences and personal values into a simple quiz and get matched with five recommended college majors with career information and links

www.fastweb.com

-college and scholarship searches, information galore for parents and students!

www.fafsa.ed.gov

-complete PIN information and FAFSA financial aid form on-line, also has links to other financial assistance websites

www.volunteerinfo.org and www.helpnow.org

-Bay Area volunteer/community service information website

www.how-to-study.com

-free study skills, test taking strategies and homework tips

www.testatkingtips.com/test and www.studygs.net

-tips on taking different types of tests, how to prepare for tests, and how parents can help their students prepare for tests and overcome test anxiety

www.eastbayworks.com

-Click on "Youth 16 -21" for information about programs and resources to help you attain your educational and career goals. Looking for a job? There is also a list of local job opportunities for youth.

VISUAL ARTS

DRAWING

Grade Level:	9-12
Length:	1 year
Prerequisite:	none
Graduation:	Fulfills Fine Arts requirement
College Prep:	Fulfills CSU/UC Visual or Performing Arts requirement

Learn how to draw anything you can see, including people, or whatever you can imagine for that matter. Discover the laws of perspective, how to judge proportion, and to create the illusion of 3-dimensional space with realistic shadows. Learn how to mix colors and to use them to express yourself. This is an entry level course, with no prior experience necessary. Each sequential step of the curriculum is designed to build confidence and to lay the foundation for free self expression. Students create their own personal portfolios, and have the opportunity to display their work in the Dublin Gallery. Knowing how to draw is no less than learning how to see, and that is the fundamental knowledge underlying all the visual arts. This is a great course to lay the foundation for other art courses and to discover your own interest in the visual art fields. This course may be repeated for elective credit.

SCULPTURE & CERAMICS

Grade Level:	9-12
Length:	1 year
Prerequisite:	none
Graduation:	Fulfills Fine Arts requirement
College Prep:	Fulfills CSU/UC Visual or Performing Arts requirement

Take *matter* into your own hands . . . learn how to make pottery and sculpture from earth's clay! Discover the magic of fire, as it turns mud into stone with temperatures in excess of 2000 degrees Fahrenheit, (*think molten lava!*). Learn how to coat your creations with beautiful translucent glazes that you've mixed yourself from nature's minerals and oxides. No prior experience in art or ceramics is required. Demonstrations and slide shows will be an ongoing part of a curriculum presentation which is designed to build a skill base and confidence level that will enable students to explore their own creative interests and potentials. Students will produce a digitally photographed portfolio of their work and have the opportunity to display their work in the Dublin Gallery as well. This course teaches students a functional knowledge and practical mastery of the complex material called ceramics, and teaches how to integrate this understanding with the creative potential that is not only latent in it, but in all of us as well. This course may be repeated for elective credit.

TWO DIMENSIONAL DESIGN

Grade Level:	9-12
Length:	1 year
Prerequisite:	none
Graduation:	Fulfills Fine Arts requirement
College Prep:	Fulfills CSU/UC Visual or Performing Arts requirement

Explore a variety traditional media such as painting, printmaking, pen and ink, calligraphy and collage in this hands-on course. The elements of art and the principles of design are the basis for which students learn creative self expression. Slide presentations, guest artists and demonstrations supplement class lessons. Students also learn about the visual arts from a historical and cultural perspective. This course provides a solid foundation for the beginning artist while still providing a challenge for the advanced artist. This course may be repeated for elective credit.

INTERMEDIATE DRAWING AND PAINTING

Grade Level:	9-12
Length:	1 year
Prerequisite:	Grade of B or better in Drawing or equivalent course and/or teacher approval
Graduation:	Fulfills Fine Arts requirement
College Prep:	Fulfills CSU/UC Visual or Performing Arts requirement (pending)

Intermediate Drawing and Painting is intended for students who have had significant instruction and practice in various 2-D drawing media. Students will be given diverse opportunities to further develop their skills in 2D media, including graphite, charcoal, ink, watercolor, and tempera paint. Students will draw and paint from observation both in class and on their own. They will also develop a critical vocabulary for defending and critiquing their artwork. Students will also learn about contemporary and historical art relevant to class projects. Finally, students will prepare work for public display in gallery shows, contests, and their own portfolios.

VIDEO PRODUCTION

Grade Level: 10-12
Length: 1 Year
Prerequisite: None
Graduation: Fulfills Fine/Applied Arts requirement
College Prep: Fulfills CSU/UC Visual or Performing Arts requirement (pending)

Students will learn basic composition and integrating narrative, audio, and visual elements to produce a series of production assignments. During the course of the year students will build skills in the following areas: planning and overall production process, storyboarding, scriptwriting, editing, critique, and animation. Students will be expected to develop a sense of professional behavior and ethics as they learn about intellectual property rights and responsibilities as well as career opportunities. Students will analyze, evaluate and write descriptive responses to all work individually produced in the class as well as evaluate peer work and give feedback. This class will explore the history of motion pictures, both globally and in the United States, while exploring career opportunities and the future of filmmaking. Students will read about, analyze, discuss, evaluate, and interpret current issues, techniques, styles and materials relating to art and movies.

ROP ANIMATION & MOTION GRAPHICS

School Site: Dublin
Grade Level: 11-12
Length: 1 Year/2 hours per day
Prerequisite: None
Graduation: Fulfills Applied Arts requirement

Explore the art and science of visual motion with the eleven principles of animation. Students follow the professional animation project pipeline method moving from organizing their concepts in storyboards to refining their ideas through animatics to final polished animations. Design projects for such media as the Internet, DVD, TV, film, iPod, cell phones and other mobile devices. Study the use of animation in other fields such as scientific molecular models and mechanical simulations. (Senior priority).

ROP VISUAL COMMUNICATIONS (Print Graphics)

School Site: Dublin
Grade Level: 11-12
Length: 1 Year/2 hours per day
Prerequisite: None
Graduation: Fulfills Fine Arts req.
College Prep: Fulfills CSU/UC "F" req. for VPA/Credit by Exam—Las Positas College

Visual Communications (Print Graphics) offers both a theoretical and applied academic foundation to graphic art and traditional art. This comprehensive program emphasizes the fundamentals of the elements of art and design. The ability to plan and create original works of art will be developed through research, analysis, and critique. Students will express their original creativity visually and develop and showcase their ability to communicate ideas through visual arts communications. Students will have the opportunity to design and produce projects for clients using computer graphic design software. A portfolio will be generated that can be used to demonstrate their abilities for college entrance or employment in the visual arts field.

PERFORMING ARTS

Performances are an essential component of each course, and attendance is required. Students signing up for performing groups must realize their responsibility in arranging their own schedule so that outside activities do not conflict with performances. Courses in this department meet the Fine Arts requirement.

DRAMA

Grade Level: 9-12
Length: 1 year
Prerequisite: none
Graduation: Fulfills Fine Arts requirement
College Prep: Fulfills CSU/UC Visual or Performing Arts requirement

This is a general survey course which introduces students to all aspects of theater, including the history and theory of drama and the interpretation of dramatic literature. Emphasis is on the practice of a wide variety of acting methods. Students have opportunities to perform monologues, one act plays and take part in the major fall and spring productions.

ADVANCED DRAMA

Grade Level: 9-12
Length: 1 year
Prerequisite: Teacher recommendation
Graduation: Fulfills Fine Arts requirement
College Prep: Fulfills CSU/UC Visual or Performing Arts requirement

This is a course designed to give students increased practice with well known theatrical works. Working with the skills and abilities learned in the Drama class, the students, in a smaller classroom setting, will develop a stronger understanding of the stage by performing longer scenes. The students will also improve their analytical skills by reading a selection of scripts. This course may be repeated for elective credit.

PRODUCTION MANAGEMENT I

Grade Level: 10-12
Length: 1 year
Prerequisite: None
Graduation: Fulfills Applied/Fine Arts requirement

This course is for students aspiring to be musicians, sound designers, audio editors, mixing engineers, and other aspects of the production management industry. The course will incorporate Pro Tools Digi Design Software certification program 101 and 110. Students will learn software, be involved with school performances, recording and editing and also learn other aspects of managing a “house”.

MUSIC

JAZZ ENSEMBLE

Grade Level: 9-12
Length: 1 year (unless student is taking a zero period PE course for a semester)
Prerequisite: Teacher approval by AUDITION/concurrently enrolled in an Advanced Band Course
Graduation: Fulfills Fine Arts Requirement
College Prep: Fulfills CSU/UC Visual or Performing Arts requirement

This course features major jazz styles of moderate to difficult music, including swing, latin, light rock, funk, and big band. Students are required to participate in performances throughout the year which may occur outside the regular school day and on Saturdays. **To be in the Jazz Band, students are required to be in one of the other “Advanced Band” courses (Woodwind/Brass or Percussion). If a student does not play a “Band Instrument” such as Piano, Guitar, or String Bass – those students will take the percussion course. Since many band pieces include a String Bass Part, the String Bass player may take either Woodwind/Brass or Percussion Advanced Band class.** To avoid conflict with other courses, this course meets outside of the six-period school day.

WOODWIND/BRASS - Advanced Band

Grade Level: 9-12
Length: 1 year
Prerequisite: High School band director approval or recommendation from middle school band director
Graduation: Fulfills Fine Arts Requirement
College Prep: Fulfills CSU/UC Visual or Performing Arts requirement

Dublin High School has one band which requires experience. That band is divided according to families of instruments. **All Woodwind & Brass players** will be in this band and then be combined with the Percussion Advanced Band. The band is both a Marching Band and Concert Band. The Marching Band portion of the course is for from August – November. Because of the need to rehearse together, the Marching Band meets one night a week and on several Saturdays. Competitions are on Saturdays. The band/guard competes in field shows only. There may be other activities the school, community, and athletic department may need a band to support; yet, we will do our very best to make those additional performances few. The remaining of the school year we focus on performing the highest level of concert music available. There will be one formal concert band concert in the Fall Semester and two concerts in the Spring Semester. Scheduling conflicts will be handled on an individual basis.

PERCUSSION - Advanced Band

Grade Level: 9-12
Length: 1 year
Prerequisite: High School band director approval or recommendation from middle school band director
Graduation: Fulfills Fine Arts Requirement
College Prep: Fulfills CSU/UC Visual or Performing Arts requirement

Dublin High School has one band which requires experience. That band is divided according to families of instruments. **All PERCUSSION PLAYERS** will be in this band and then combined with the Woodwind/Brass Advanced Band Course. The band is both Marching Band and Concert Band. Please carefully read the description of the marching band portion in the WOODWIND/BRASS ADVANCED BAND DESCRIPTION.

Due to the limited parts in Concert Band music, beginning December through first weekend of April, the percussion class focuses on Winter Percussion. February – through first week of April, competitions are on Friday/Saturdays. Depending on the schedule, we will do our best to select competitions for four/five Saturdays. Rehearsals are one night a week throughout school year and Saturdays (January). Students who play woodwind/brass instruments and would like to be in Winter Percussion, must be in this course (s/he will still play their woodwind/brass instruments for the concert/marching band). Percussion will perform with the concert band for the concert band's formal concert in the Fall Semester and two concerts in the Spring Semester.

ORCHESTRA

Grade Level: 9-12
Length: 1 year
Prerequisite: Teacher approval by audition
Graduation: Fulfills Fine Arts graduation requirement,
College Prep: a-g fine arts credit (pending)

This course gives students an opportunity to perform symphonic works from a diverse repertoire of composers. Instrumentation is inclusive of all symphonic string instruments with the addition of a select group of wind, brass, and percussion instruments.

CONCERT CHOIR

Grade Level: 9-12
Length: 1 year
Prerequisite: Teacher approval by audition
Graduation: Fulfills Fine Arts requirement
College Prep: Fulfills CSU/UC Visual or Performing Arts requirement

This vocal music class is a beginning-to-intermediate level performance group. A wide variety of musical styles and techniques are studied. Students are required to participate in performances throughout the year which may occur outside the regular school day. This course may be repeated for elective credit.

CHAMBER SINGERS

Grade Level: 11-12
Length: 1 year
Prerequisite: Completion of one semester of Concert Choir, by audition only
Graduation: Fulfills fine arts requirement
College Prep: Fulfills CSU/UC fine arts credit (pending)

This is an advanced performance choir class. Students must audition and are expected to commit to performance venues outside of the school week.

SHOW CHOIR

Grade Level: 9-12
Length: 1 year
Prerequisite: Previous and/or concurrent enrollment in another music ensemble, audition, and/or permission of instructor. Preference will be given to those students concurrently enrolled in another Vocal Music class
Graduation: Fulfills Fine Arts requirement
College Prep: Fulfills CSU/UC Visual or Performing Arts requirement (pending)

Show Choir is a group of singer/dancers and instrumentalists performing Pop/Broadway style music in a competitive arena. Members must have a working knowledge of the fundamentals of Pop/Broadway style vocals, as well as fundamentals in movement and theatrical performance. All members must possess the ability to perform independently, practice outside of scheduled rehearsal times, and have the desire to perfect stage performance skills. Participation in Show Choir includes required attendance at evening and weekend rehearsals, community performance, and competitions held across the United

States. Although there will be additional costs involved, fundraising opportunities will be available. This course may be repeated for elective credit.

AP MUSIC THEORY

Grade Level: 10-12
Length: 1 year
Prerequisite: Ability to read music is recommended, basic technology skills and ability to maneuver software
Graduation: Fulfills Fine Arts requirement
College Prep: Weighted a-g Fine Arts credit

This is a non-performance course. The goal is to prepare students to take the AP Music Theory exam in May. Students will be taught college/university level music theory. They will study the fundamental building blocks of musical notation, chord structures, harmonics, composers and stylistic nuances. This course will follow the College Board recommended outline.

CONSUMER AND FAMILY STUDIES

CHILD GROWTH AND DEVELOPMENT/HUMAN DEVELOPMENT

Grade Level: 10-12
Length: 1 year
Prerequisite: none
Graduation: Fulfills Applied Arts requirement
College Prep: Fulfills CSU/UC "g" elective requirement

This course is a study of the developmental stages of children from conception through adolescence. The course will provide the student with knowledge of the principle theories of child growth and development and their applications. First semester topics include individual personality and learning styles, interpersonal relationships, functions of the family, life cycle and aging. Second semester topics focus on the rewards and responsibilities of parenting, pregnancy, childbirth, child development, education and learning activities for children and exploration of careers involving children. This course is part of the Home Economics Careers & Technology Career pathway for Child Development and Education.

CONSUMER HEALTH/EMPLOYMENT EDUCATION (CHEE)

Grade Level: 12
Length: 1 semester
Prerequisite: none
Graduation: Fulfills Applied Arts requirement

CHEE is a semester course designed to teach the essential living skills necessary for success in today's society. Consumer Health topics include consumer rights and responsibilities, nutrition, fitness, housing/renting an apartment, parenting and child safety, and teen health issues. Employment Education focuses on career selection and research, job search & interviewing skills, money management, personal budgets, finance, consumer credit and checking accounts. Students develop a personal job portfolio including a resume and experience a mock job interview.

CULINARYS ARTS 1

Grade Level: 9-12
Length: 1 semester
Prerequisite: none
Graduation: Fulfills Applied Arts requirement

This basic foods course covers kitchen principles, recipe skills, guidelines for good nutrition, and mealtime customs. Students learn the principles of preparing quick breads, cookies, salads, soups, sandwiches, casseroles, dairy products, and eggs. As students study food preparation, they explore careers in the food industry. This is a hands-on class. There is a \$25 lab fee each semester for consumable materials

CULINARYS ARTS 2

Grade Level: 9-12
Length: 1 semester
Prerequisite: none
Graduation: Fulfills Applied Arts requirement

The basis of this course is to develop confidence in the kitchen. Emphasis is on making healthy food choices and safeguarding the family's health. Areas of food preparation include meat, poultry, pasta, fruits and vegetables, breads, cakes, and candies. Careers opportunities are explored. Food preparation and service is a very important part of this class. There is a \$25 lab fee each semester for consumable materials

INTERNATIONAL CUISINE

Grade Level: 9-12
Length: 1 year
Prerequisite: none
Graduation: Fulfills Applied Arts requirement
College Prep: Fulfills CSU/UC "g" elective requirement (pending)

This is a comprehensive course in International Cookery. This course provides the student with an explanation of the development of cuisines, as well as a historical background and recipes from the cookery of Europe, Africa, the Middle East, Asia, Australia, and Latin America. The course also requires multiple research opportunities for students to explore cuisine of the world.

BAKING AND PASTRY

Grade Level: 9-12
Length: 1 year
Prerequisite: none
Graduation: Fulfills Applied Arts requirement

This course focuses on the fundamentals of basic baking; including the process of understanding ingredients, weights and measurements, formula conversion and costing of recipes. Students use equipment associated with baking, learn bakeshop ingredients, substitutions, mise en place, quick and yeast breads, pies and tarts, pastry, cake and icing, custards creams and sauces, and candy making. There is a \$25 lab fee each semester for consumable materials.

CATERING

Grade Level: 10-12
Length: 1 year
Prerequisite: A grade of C or better in a previous Foods class; teacher recommendation required
Graduation: Fulfills Applied Arts requirement

In this advanced Foods class, students become participants in a catering company. Food preparation techniques learned in previous Foods courses are utilized along with exploring speed and quantity food preparation skills. All aspects of setting up and operating a catering company, including advertising, promotion, long-range planning, food sourcing and basic principles are covered. There is an emphasis on developing teamwork, leadership skills, creativity and professionalism. This course is designed for students who are interested in the culinary arts and hospitality industry (caterer, chef, sports nutrition, food writer, restaurant/hotel manager, baker, health inspector, food service director, food technologist) as well as for students who want to explore the realities of small business ownership. Students who receive a grade "B" or higher in this class and on the DVC administered exam will receive college units and class credit. There is a \$15 fee for chef coat.

ADVANCED CATERING

Grade Level: 11-12
Length: 1 year
Prerequisite: Teacher recommendation
Graduation: Fulfills Applied Arts requirement

This course exists within the regular Catering class. In this advanced Foods class, students participate in the management of the Gourmet Gaels Catering Company. These students will have a supervisory role in the Food preparation techniques learned in Catering and previous Foods courses, along with exploring speed and quantity food preparation skills. All aspects of setting up and operating a catering company, including advertising, promotion, long-range planning, food sourcing and basic principles are covered. There is an emphasis on developing teamwork, leadership skills, creativity and professionalism. This course is designed for students who have previously been enrolled in the Gourmet Gaels Catering Class. Students that receive a grade "B" or higher in this class and on the Diablo Valley College administered exam will receive college units and class credit. There is a \$15 fee for for student chef coat.

FABRICS & FASHION

Grade Level: 9-12
Length: 1 semester
Prerequisite: none
Graduation: Fulfills Applied Arts requirement

Fabrics & Fashion is a clothing course that meets the needs of all students regardless of their previous sewing experience. Emphasis is on clothing construction techniques, proper care of clothing and careers in the fashion industry as well as building skills and confidence in reading and following directions and consumer considerations. The history of fashion is explored in depth. Students are expected to purchase supplies for individual projects. No prior experience or home sewing machine required.

INTERIOR DESIGN

Grade Level: 9-12
Length: 1 semester/year
Prerequisite: none
Graduation: Fulfills Applied Arts requirement

In this course students learn design concepts involving interior design, home construction and household furnishings. Students study the history of design and architectural styles. Students understand how elements and principles of design are used to create aesthetically pleasing living environments. Students design rooms & homes through design boards and will prepare a personal portfolio of design work. Careers in housing and interior design are investigated. Students that receive a grade "B" or higher in this class and on the Las Positas Community College administered exam will receive college units and class credit.

HEALTH

Grade Level: 10-11
Length: One semester
Prerequisite: None
Graduation: Fulfills health requirement for graduation

This course is designed to assist students with obtaining accurate information, develop lifelong positive health-related attitudes and behaviors, and make wise decisions related to their personal health. Study will include personal and community health; mental, emotional, and social health; nutrition and physical activity; alcohol, tobacco, and other drugs; growth, development, and sexual health; and injury prevention and safety. Central themes are the acceptance of personal responsibility for lifelong health, respect for and promotion of the health of others, an understanding of the process of growth and development, and informed use of health-related information, products, and services.

HOME ECONOMICS 101

Grade Level: 10-12
Length: 1 semester
Prerequisite: Teacher Approval
Graduation: Fulfills elective requirement

Students may choose to study any of the seven areas of Home Economics in greater depth on an independent study basis. The teacher and student complete an independent study contract.

ENGLISH

ENGLISH 1 – FRESHMAN ENGLISH

Grade Level: 9
Length: 1 year
Prerequisite: none
Graduation: Fulfills one year of the four-year English requirement
College Prep: Fulfills CSU/UC English requirement

This literary survey course covers multiple types of writing and reading. Teachers emphasize development of advanced literary skills including inference and annotation of plays, short stories, poems, novels and non-fiction articles. Students refine the multi-paragraph essay using textual support and work on several shorter writings. Students engage in both small group and whole class discussion, developing skills to work well with others. Students also present informal and formal projects.

ENGLISH 1 ADV -- FRESHMAN ENGLISH ADVANCED

Grade Level: 9
Length: 1 year
Prerequisite: Teacher recommendation; Essay Placement Exam
Graduation: Fulfills one year of the four-year English requirement
College Prep: Fulfills CSU/UC English requirement

This advanced course offers students additional challenge with higher expectations in reading, writing, and critical thinking. Students complete a summer reading and writing assignment. During the school year, the class engages in inferential and analytical reading development, as well as essay skill building. The course covers all core material presented to other freshmen, but moves faster to enable the introduction of additional reading and writing. Critical thinking activities supplement the curriculum.

ENGLISH 2 – SOPHOMORE ENGLISH

Grade Level: 10
Length: 1 year
Prerequisite: English 1
Graduation: Fulfills one year of the four-year English requirement
College Prep: Fulfills CSU/UC English requirement

Sophomore English emphasizes an ambitious reading schedule combined with a variety of in-depth analysis assignments. More sophisticated essay expectations pinpoint the thesis statement and evidence development. Students also prepare for successful completion of the CAHSEE, California High School Exit Exam, taken in the spring by all 10th graders.

ENGLISH 2 ADV -- SOPHOMORE ENGLISH ADVANCED

Grade Level: 10
Length: 1 year
Prerequisite: Teacher recommendation; Essay Placement Exam
Graduation: Fulfills one year of the four-year English requirement
College Prep: Fulfills CSU/UC English requirement

English 2 Adv. is a literature-based course that focuses on fiction, drama, and writing. Students read closely, participate in class discussions, make prepared presentations, and write essays. Students focus their reading on literary patterns such as Joseph Campbell's "A Hero's Journey" and examine major themes found in novels such as *Lord of the Flies*, *Siddhartha*, and *A Separate Peace*. The class is conducted much like a college class, and as such, it is important that students are self-motivated.

ENGLISH 3 -- AMERICAN LITERATURE

Grade Level: 11
Length: 1 year
Prerequisite: English 2
Graduation: Fulfills one year of the four-year English requirement
College Prep: Fulfills CSU/UC English requirement

Students engage in an extensive survey course in all genres of American Literature. Writing expectations include developed essays -- both analyzing literature and arguing in response to nonfiction prompts. Students build skills in discussion and critical thinking.

ENGLISH 3H – HONORS AMERICAN LITERATURE

Grade Level: 11
Length: 1 year
Prerequisite: Teacher recommendation and Essay Placement Exam
Graduation: Fulfills one year of the four-year English requirement
College Prep: Fulfills CSU/UC English requirement, weighted course

The honors course in American Literature is a chronological and thematic approach to major writers and literary movements from the 17th through the 21st centuries. This course focuses on both fiction and nonfiction as students gain proficiency in reading independently. Students explore a variety of writing genres with emphasis on short and long analytical essays.

AP ENGLISH LANGUAGE AND COMPOSITION

Grade Level:	11
Length:	1 year
Prerequisite:	Teacher recommendation and Essay Placement Exam
Graduation:	Fulfills one year of the four-year English requirement
College Prep:	Fulfills CSU/UC English requirement, weighted course

This college level course is designed for students motivated to challenge themselves through extensive reading and writing. The curriculum follows American Literature selections, and highlights classic and contemporary non-fiction, starting with summer reading and note-taking. Students read independently, keep notes, write essays, analyze the use of literary devices, and engage in frequent Socratic seminars. Each spring, students must take the Advanced Placement exam in English Language and Composition and may earn college credit.

ENGLISH 4 – WORLD LITERATURE

Grade Level:	12
Length:	1 year
Prerequisite:	English 3
Graduation:	Fulfills one year of the four-year English requirement
College Prep:	Fulfills CSU/UC English requirement

World Literature at the senior level focuses on multi-cultural subject matter, both fiction and non-fiction. Students read the works of a variety of world writers dealing with universal themes in poetry, short stories, plays, and novels. Teachers expect students to complete an extensive amount of reading outside of class. In preparation for college, students write both the College Application Essay and expository responses to argument, as well as timed essays.

AP ENGLISH LITERATURE AND COMPOSITION

Grade Level:	12
Length:	1 year
Prerequisite:	Teacher recommendation and Essay Placement Exam
Graduation:	Fulfills one year of the four-year English requirement
College Prep:	Fulfills CSU/UC English requirement, weighted course

This intensive college-level course is designed for the student who has demonstrated exceptional interest and ability in English. Students are challenged to read independently from a variety of genres, analyze the works, keep notes, write in-class essays and longer papers, and engage in small and large group discussions. Summer reading is assigned and students may earn college credit when they take the required Advanced Placement exam in English Literature.

EXPOSITORY READING AND WRITING

Grade Level:	12
Length:	1 year
Prerequisite:	Successful Completion of English 9, 10, 11
Graduation:	Fulfills one year of the four-year English or elective requirement
College Prep:	Fulfills CSU/UC English requirement

This course invites students to consider and debate provocative contemporary issues. Its emphasis fosters the students' ability to argue from informed perspectives and to extend understanding of complex reading material in writing. Essential to the curriculum is the deepening of students' critical reading, writing and thinking skills as they deal with expository prose. Based on the CSU's Twelfth Grade Expository Reading and Writing Course, this rhetoric and composition course for seniors enables them to meet college-level literacy demands. The course is built around in-depth studies of expository, analytic, and argumentative writing on controversial topics taken from news journals and magazines.

SCIENCE FICTION LITERATURE

Grade Level:	12
Length:	1 year
Prerequisite:	Successful Completion of English 9, 10, 11
Graduation:	Fulfills one year of the four-year English or elective requirement
College Prep:	Fulfills CSU/UC English requirement

Science Fiction focuses on the reading, analysis, interpretation, and evaluation of science fiction literature in conjunction with current technological and scientific issues. Students also study science fiction film. The class is organized chronologically, following the history of science fiction and technology. Everything from Galileo to Virtual Reality is covered to stimulate interest in technology, fantasy, global thinking, and the future.

English Academic Support Electives

CAHSEE, California High School Exit Exam Preparation

Grade Level:	11-12
Length:	1 year
Prerequisite:	Referral by counselor
Graduation:	Fulfills elective requirement

This course offers students the opportunity to build reading and writing skills to pass the California High School Exit Exam, which is required for graduation from high school. In addition to targeting test-taking strategies, students focus on grammar and sentence structure. They also work to improve reading comprehension and critical thinking. Exploring literature from several genres allows students to improve skills in both independent and group reading. Students are expected to engage in frequent journal writing and discussion to explore ideas in depth. Writing activities also include evaluating and developing expository essays.

ENGLISH AS A SECOND LANGUAGE

Grade Level:	9-12
Length:	1 year
Prerequisite:	Teacher Recommendation
Graduation:	Fulfills up to 10 units of the four-year English requirement

English as a Second Language (ESL) is a course designed for non-English speaking students as an introduction to the basics of communication in the English language. The goal is to provide a path to successful completion of high school curriculum. Students start with oral and listening language development to build basic vocabulary. Reading and writing skills follow, allowing students to achieve grade level proficiency.

ESL TUTORIAL

Grade Level:	9-12
Length:	1 year
Prerequisite:	Referral by classroom teacher, counselor or administrator
Graduation:	Fulfills elective requirement

This course is offered in designated subject areas to provide support for students needing extra help in the subject in order to pass the standards. Instruction is given to develop necessary skills and understanding of concepts to enable students to perform well in the required companion class. Class time is provided for students to work on current homework assignments in the required course with assistance given as needed.

English Electives

JOURNALISM

Grade Level:	10-12
Length:	1 year
Prerequisite:	Teacher recommendation and application
Graduation:	Fulfills elective requirement
College Prep:	Fulfills CSU/UC elective "g" requirement

This is a year-long course in which students participate in every aspect of producing a newspaper. Students research, conduct interviews, write articles, take photographs, and edit articles. Students use various forms of technology, including Microsoft Word and Adobe Pagemaker, to lay out the newspaper. They use a scanner to scan in pictures, graphics, and ads. This class requires strong writing and time management skills.

SPEECH AND DEBATE

Grade Level:	10-12
Length:	1 year
Prerequisite:	Teacher recommendation
Graduation:	Fulfills elective requirement
College Prep:	Fulfills CSU/UC elective "g" requirement

Students challenge themselves in this presentation course as they develop a full range of speaking skills. The active learning environment requires students to prepare for life beyond high school by researching, organizing and delivering informative and persuasive speeches, debates, and panel discussions. Structures provided enable students to transfer skills to writing construction and critical thinking in all disciplines.

MATHEMATICS

Sample Four Year High School Schedules for Mathematics

Sample 4 year schedules for students interested in studying Math, Science and/or Engineering in college.

Plan	Freshman Year	Sophomore Year	Junior Year	Senior Year
Sample Plan 1	Algebra I	Geometry	Algebra II	Trigonometry
Sample Plan 2	Geometry	Algebra II/Trig	Trig/Precalculus	AP Calculus (AB or BC)
Sample Plan 3	Algebra II/Trig (Geometry completed in Grade 8)	Trig/Precalculus	AP Statistics	AP Calculus (AB or BC)

Sample 4 year schedules for students interested in studying Liberal Arts in college.

Plan	Freshman Year	Sophomore Year	Junior Year	Senior Year
Sample Plan 1	Algebra I	Geometry	Algebra II	Trig or Stats
Sample Plan 2	Geometry	Algebra II	Trigonometry	Statistics
Sample Plan 3	Geometry	Algebra II/Trig	Trig/Precalculus	AP Statistics or non-AP Calculus

To enroll in the next level of mathematics requires successful passing of current math course and teacher approval.

ALGEBRA SKILLS

Grade Level: 9-10
 Length: 1 year
 Prerequisite: Current IEP
 Graduation: Fulfills one year of math requirement
 College Prep: Does NOT fulfill CSU/UC math requirement

Students receive instruction in algebra, geometry, coordinate geometry, patterns and functions, and data analysis. This course will prepare students for enrollment in Algebra 1. Requires advanced approval of the Department Chair for placement in the class.

ALGEBRA 1

Grade Level: 9-10
 Length: 1 year
 Prerequisite: Teacher recommendation
 Graduation: Fulfills one of three math requirements.
 College Prep: Fulfills CSU/UC math requirement with a "C" better.

This course is a Dublin High School math graduation requirement. Functions and data analysis topics are enhanced through labs and student projects. The graphing calculator is an essential tool and helps clarify concepts through visualization. This course meets college admission requirements. Students must pass both semesters of this course to meet the state high school graduation requirements.

ALGEBRA IB

Grade level:	9
Length:	1 year
Prerequisite:	Teacher recommendation
Graduation:	Fulfills one of three math requirements.
College Prep:	Fulfills CSU/UC math requirement with a “C” better.

This course covers all Algebra topics ranging from linear and quadratic functions to rational expressions, while taking time to review prior skills needed for real world problem-solving. This course is designed to give students who have struggled with math in the past an opportunity to succeed with Algebra concepts. Students must pass both semesters of this course to meet the state high school graduation requirements.

INFORMAL GEOMETRY

Grade Level:	10-11
Length:	1 year
Prerequisite:	Successful completion of Algebra I and DHS teacher approval .
Graduation:	Fulfills one of three math requirements.
College Prep:	Does NOT fulfill CSU/UC math requirement

This course is for students who need to continue to improve their algebra skills as they learn the basic standards for Geometry. Memorization of geometry theorems and definitions is expected. Students will learn the basics of geometry and its language, shapes of two and three dimensions and their properties and size measurements, similarity, and transformations. Students must pass both semesters of this course to fulfill graduation requirement.

GEOMETRY

Grade Level:	9-11
Length:	1 year
Prerequisite:	Successful completion of Algebra I and DHS teacher approval .
Graduation:	Fulfills one of three math requirements.
College Prep:	Fulfills CSU/UC math requirement with “C” or better.

This course is a Dublin High School math graduation requirement. Memorization of geometry theorems and definitions is expected. All California Standards for Geometry are included in the curriculum. Students will learn the basics of geometry and its language, reasoning skills and methods of proof, shapes of two and three dimensions and their properties and size measurements, similarity, geometric probability and transformations. A scientific calculator is required.

ALGEBRA II SEM. 1

Grade Level:	11-12
Length:	1 year
Prerequisite:	Successful completion of Geometry
Graduation:	Fulfills one of three math requirements.
College Prep:	Does NOT fulfill CSU/UC math requirement

This course covers the material of the first semester from an Algebra II course with an introduction to second semester material. This course is for students who work hard, but need stronger Algebra skills before going into a full year Algebra II course. Some topics covered include graphing and solving linear and quadratic functions, logarithms, and finding critical points of higher order polynomials.

ALGEBRA II

Grade Level:	9-12
Length:	1 year
Prerequisite:	Successful completion of Geometry
Graduation:	Fulfills one of three math requirements.
College Prep:	Fulfills CSU/UC math requirement with “C” or better.

This course is a Dublin High School math graduation requirement. This course teaches the California standards for Algebra II. It does not include the study of Trigonometry . Topics studied include equations, functions, graphing, matrices, sequences and series, coordinate geometry, conic sections, statistics, data analysis, and probability in addition to algebra concepts. The use of graphing calculator technology enhances the study of these topics. It is strongly recommended that students have their own graphing calculator. **If a student plans on enrolling in Physics the following year, s/he MUST take Algebra II/Trig.**

ALGEBRA II WITH TRIGONOMETRY

Grade Level:	9-12
Length:	1 year
Prerequisite:	Recommended "C" grade or better in Geometry
Graduation:	Fulfills one of three math requirements.
College Prep:	Fulfills CSU/UC math requirement with "C" or better

This course is a Dublin High School math graduation requirement. This rigorous course teaches not only the required California standards for Algebra II but also includes the study of basic trigonometric functions and their graphs. Topics studied include equations, functions, graphing, matrices, sequences and series, coordinate geometry, conic sections, trigonometry, statistics, data analysis, and probability in addition to algebra concepts. The use of graphing calculator technology enhances the study of these topics and is regularly used in assignment. It is strongly recommended that each student have their own graphing calculator. The student needs good study skills. This course is required by the Science department if the student plans to take Physics the following year.

BUSINESS ALGEBRA II

Grade Level:	10-12
Length:	1 year
Prerequisite:	Successful completion of Geometry
Graduation:	Fulfills one year of math requirement
College Prep:	Fulfills CSU/UC math requirement

This course provides students with an advanced contextualized understanding and application of advanced linear equations and inequalities, systems of equations and inequalities, logarithmic and exponential functions, series and sequences, probability and statistics, exponents and polynomials, quadratic functions, and rational equations. Students will acquire advanced mathematical tools for analyzing business concepts such as revenue, cost, and profit maximization. Using this integrated instructional approach provides students with an analytical understanding of fundamental business and finance issues while providing an engaging context to master the foundational Algebra II concepts.

STATISTICS

Grade Level:	11-12
Length:	1 year
Prerequisite:	Successful completion of Algebra II, Algebra II with Trig. or Precalculus
Graduation:	Fulfills one year of math requirement.
College Prep:	Fulfills CSU/UC math requirement with "C" or better

This course is designed for college bound students who have completed Algebra II. Students will collect and describe data in words and graphs, plan a study including what and how to measure, apply probability laws, study distributions, and apply statistical tests to make inferences. This course is intended to explain the uses of statistics and its role in processing information contained in reports, scientific journals, political coverage, and the daily newspaper. Students are required to use their personal TI 84 (83) (plus) calculator.

AP STATISTICS

Grade Level:	11-12
Length:	1 year
Prerequisite:	"B" or better in Algebra II/Trig or a "C" or better in Pre-Calculus.
Graduation:	Fulfills one year of math requirement.
College Prep:	Fulfills CSU/UC math requirement with "C" or better. This course is weighted.

This course is designed for college bound students who have completed Algebra II. AP Stats is designed to prepare students for the AP Exam in May. The AP Syllabus directs the course curriculum. Students are required to use their TI 84 (83) (Plus) calculator. Students will produce data, describe and interpret that data, use probability, make inferences about the data and write about the results. Mature study habits, math ability, and writing skills are necessary for success.

TRIGONOMETRY AND OTHER FUNCTIONS

Grade Level:	10-12
Length:	1 year
Prerequisite:	Successful completion of Algebra II, teacher recommendation
Graduation:	Fulfills one year of math requirement.
College Prep:	Fulfills CSU/UC math requirement with a "C" or better

Students will learn the definitions of the trigonometric ratios, the trigonometric functions and their graphs, the applications of trigonometry in solving both right triangle and acute triangle problems, the application of trigonometry in parametric and polar equations, and to find the model of sinusoidal data using both manual techniques and the regression function on the TI graphing calculator. Students will also study the exponential functions, logarithmic functions, the conic sections and their applications in the real world.

TRIGONOMETRY/PRE-CALCULUS

Grade Level:	10-12
Length:	1 year
Prerequisite:	Successful completion of Algebra II/Trig., teacher recommendation
Graduation:	Fulfills one year of math requirement.
College Prep:	Fulfills CSU/UC math requirement with a “C” or better

A comprehensive study of Trigonometry is covered in the first semester with the second semester curriculum covering such topics as advanced functions, conics, and discrete mathematics. This is a rigorous course that prepares students for advance levels of mathematics. Students should have a strong math background and very good study skills. Students need to have a graphing calculator.

CALCULUS

Grade Level:	12
Length:	1 year
Prerequisite:	Successful completion of Trig/Pre-Calculus and teacher recommendation
Graduation:	Fulfills one year of math requirement
College prep:	CSU/UC a-g approval pending

This course is not an Advanced Placement course. Some students are not prepared for AP Calculus but they do have the skills to be successful in an introductory Calculus course. Students will study the basic calculus concepts of a first semester college Calculus course. Since the course is not AP, the pace of this Calculus course will be slower and this should allow students the opportunity to be successful in this introductory course. The course will support the standards listed above.

AP CALCULUS AB

Grade Level:	11-12
Length:	1 year
Prerequisite:	Successful completion of Trig/Pre-Calculus and teacher recommendation
Graduation:	Fulfills one year of math requirement.
College Prep:	Fulfills CSU/UC math requirement This course is weighted

The basic theory of calculus is presented with a view to giving the student a sound understanding of the fundamental concepts. This course meets the Advanced Placement curriculum requirements, and students will be well prepared to take college level courses in mathematics. Students will take the A.P. Calculus AB test at the end of the year and may earn college credit.

AP CALCULUS BC

Grade Level:	11-12
Length:	1 year
Prerequisite:	Successful completion of Trig/Pre-Calculus and teacher recommendation
Graduation:	Fulfills one year of math requirement.
College Prep:	Fulfills CSU/UC math requirement This course is weighted

The basic theory of Calculus is presented, like in AP Calculus AB, with additional topics. This is a more rigorous and faster paced course than AP Calculus AB. This course meets the Advanced Placement curriculum requirements, and students will be well prepared to take college level courses in mathematics. The students will take the A.P. Calculus BC test at the end of the year and may earn college credit. This is a stand alone, parallel course to A.P. Calculus AB, not a subsequent course.

Math Electives:

PERSONAL FINANCE

Grade Level:	11-12
Length:	1 year
Prerequisite:	none
Graduation:	Fourth year math option

Personal Finance is a course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets; simulate use of checking and savings accounts; demonstrate knowledge of finance, debt, and credit management; and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions.

ROP CONSTRUCTION MATH

Grade Level: 11-12
Length: 1 year
Prerequisite: None
Graduation: Fourth year math option

This course follows guidelines from the National Center for Construction Education and Research (NCCER). There are eight modules: Basic Safety, Construction Math, Introduction to Hand Tools, Blueprints, Basic Rigging, Basic Communication Skills, and Basic Employment skills. The modules will be completed by the end of the school year. A large portion of this course will be spent on the mathematical operations commonly used in construction. Students will learn how the metric system and geometry are used in the trade and apply these concepts through hands on learning experiences.

PHYSICAL EDUCATION

9TH GRADE PHYSICAL EDUCATION

Grade Level: 9
Length: 1 year
Prerequisite: none
Graduation: Fulfills 1 year of PE requirement

PE is required in Grade 9. Components of Nutrition, Fitness and Safety from the California Physical Health Standards are included in the curriculum. All Freshmen will take the California Physical Performance and Health Related Test during the third quarter. Also covered are: team sports, individual sports, aquatics, body development and the introduction to weight lifting.

ATHLETIC WEIGHTS

Grade Level: 10-12
Length: semester/year class
Prerequisite: Teacher/coach recommendation
Graduation: Fulfills 1 year of PE requirement

This is an advanced presentation of skills and fundamentals that relate to varsity athletic sports. Weight training and movement exercises will be emphasized. Only students who are involved in DHS athletic programs may enroll.

FITNESS BLAST

Grade Level: 10-12
Length: semester/year class
Prerequisite: Teacher Recommendation
Graduation: Fulfills 1 year of PE requirement

This course is designed to provide students with the opportunity to develop their body to its fullest physical potential through a program of exercises. Flexibility, strength, cardiovascular endurance, and fitness exercises will be covered in the course along with the value of exercise concepts. Activities may include yoga, strength training, boot camp, step aerobics, and water aerobics.

INDIVIDUAL SPORTS

Grade Level: 10-12
Length: semester/year class
Prerequisite: successfully completed 9th grade PE
Graduation: Fulfills 1 year of PE requirement

The goal of this course is to provide students with an opportunity to choose life-time activities. This course builds on the basic foundation of the ninth grade core program. Some of these activities include badminton, tennis, pickle ball, over the line, golf, and recreational activities (ping pong, shuffle board).

MODIFIED PHYSICAL EDUCATION

Grade Level: 9-12
Length: 1 year
Prerequisite: Medical Referral
Graduation: Fulfills 1 year of PE requirement

This course is designed to provide physical education opportunities for students within their limitations. Students will be given this course based on medical history. Each student will have their own individualized program for specific needs: 1) Weight Training 2) Power Walking 3) Individual Sports 4) Team Sports 5) Plyometrics 6) Proprioception Activities (Each unit will be designed specifically based on the students medical condition and/or referral from an orthopedist.)

TEAM SPORTS

Grade Level: 10-12
Length: semester/year class
Prerequisite: successfully completed 9th grade PE
Graduation: Fulfills 1 year of PE requirement

This course builds on the basic foundation of the ninth grade core program. The goal of this course is to provide students with an opportunity to choose life-time activities and increase their skill proficiency, strength, flexibility and conceptual learning specific to each instructional unit. These activities include football, ultimate frisbee, soccer, softball, basketball, volleyball, hockey, and lacrosse.

WEIGHT LIFTING

Grade Level: 10-12
Length: semester/year class
Prerequisite: Teacher recommendation
Graduation: Fulfills 1 year of PE requirement

This course gives students an introduction to how to lift weights properly while continuing to maintain, build and develop body muscles. This class is designed to structure body development which can last a lifetime. Strength, flexibility and cardiovascular health are maintained.

WALKING FOR FITNESS

Grade Level: 10-12
Length: semester/year class
Prerequisite: Teacher recommendation
Graduation: Fulfills 1 year of PE requirement

This course introduces students to the performance of fitness walking as a lifelong activity for physical and psychological well being. It will provide the information that the student needs to understand, organize, plan, and implement a physical fitness program with walking as the primary activity. The centerpiece of the course is a series of small group and individual walks of varying lengths that are conducted over various terrains.

SCIENCE

Year in School:	Science Course(s):	MINIMUM math course required
9 th	Conceptual Physics	Algebra I
10 th	Biology*	Geometry
11 th -12 th	Earth Science, Environmental Science, Chemistry (Hon), Anatomy/Physiology	Algebra II**
11 th -12 th	Physics, AP Chemistry, AP Biology, AP Environmental Science	Trig/Pre-Calculus**
12 th	AP Physics	Calculus, AP Calculus

*Freshman students may be admitted into Biology if they demonstrate accelerated skills in reading, writing, mathematics, and science knowledge and applications.

** Students who want to take Physics must have successfully completed “**Algebra II/Trig**” the previous year. Trigonometry is essential for complete and successful understanding of Physics.

CONCEPTUAL PHYSICS

Grade Level: 9-10
Length: 1 year
Prerequisite: Teacher recommendation and concurrent enrollment in a math class
Graduation: Fulfills physical science requirement
College Prep: Fulfills CSU/UC lab science requirement

Conceptual Physics is a one-year course designed to provide freshman students with a foundation in introductory physics. The course syllabus includes motion and forces, conservation of energy and momentum, heat and thermodynamics, waves,

and electric & magnetic phenomena. The course is aligned with the CA state science framework (physics), and enrolled students will take the Physics STAR CST at the end of the year. At least 60% of the course will include "hands-on" activities and laboratory exercises. This course is a freshman-level UC-prep "d" lab-science course, and a recommendation from the middle-school science teacher is required.

BIOLOGY

Grade Level: 9-12
Length: 1 year
Prerequisite: Teacher recommendation and concurrent enrollment in a math class
Graduation: Fulfills life science requirement
College Prep: Fulfills CSU/UC lab science requirement

Biology introduces students to the study of life. During the first semester students learn about life on a cellular level; in the second semester emphasis is placed on the interaction of organisms with each other and the environment. Students will be expected to read at or above grade level and to be capable of independent work. Critical thinking, lab work and reporting are emphasized. This course is a UC-prep "d" lab-science course

BIOLOGY WITH RESEARCH

Grade Level: 9-10
Length: 1 year
Prerequisite: Teacher recommendation and concurrent enrollment in a math class
Graduation: Fulfills life science requirement
College Prep: Fulfills CSU/UC lab science "d" requirement

Students in Biology with Research are challenged with more hands on learning and focus on the Biology standards as they participate in research of their own design as well as national scientific studies. The focus on labs helps prepare students for future scientific endeavors. In order to receive Biology with Research credit you must participate in the Alameda County Science and Engineering Fair. Biology with Research introduces students to the study of life. During the first semester students learn about life on a cellular level; in the second semester emphasis is placed on the interaction of organisms with each other and the environment. Students will be expected to read at or above grade level and to be capable of independent work. Critical thinking, lab work and reporting are emphasized.

CHEMISTRY

Grade Level: 10-12
Length: 1 year
Prerequisite: Concurrent enrollment in Algebra II or above; successful completion of all semesters of previous math and science classes, teacher recommendation
Graduation: Fulfills physical science requirement
College Prep: Fulfills CSU/UC lab science requirement

Chemistry deals with the nature of materials in our world and how they change and combine. Topics include: the atomic model of matter; chemical reactions; chemical equilibrium; bonding and molecular structure. Students should expect to spend time outside of class, especially in the areas of reading and preparation of lab reports. This course is for students not intending a college major in math/science/computers/pre-med. Use of a graphing calculator is required for this course.

HONORS CHEMISTRY

Grade Level: 10-12
Length: 1 year
Prerequisite: Concurrent enrollment in Algebra II with Trigonometry or above; successful completion of all semesters of previous math and science classes, teacher recommendation
Graduation: Fulfills physical science requirement
College Prep: Fulfills CSU/UC lab science requirement, weighted course

Honors Chemistry is a rigorous class meant for students intending to major in math/science/computers/pre-med. Use of a graphing calculator is required for this course. Chemistry is concerned with the chemical properties of substances. Topics include: properties of matter; atomic theory, electron clouds and probability, periodic trends, chemical formulas, chemical reactions, chemical bonding kinetic theory, the gas laws, properties of solutions, reaction rates, acids and bases, oxidation-reduction and entropy.

EARTH SCIENCE

Grade Level:	11-12
Length:	1 year
Prerequisite:	Concurrent enrollment in Algebra II or above; successful completion of all semesters of previous math and science classes, teacher recommendation
Graduation:	Fulfills physical science requirement
College Prep:	Fulfills CSU/UC <u>elective</u> science requirement

Earth Science deals with processes that shape the earth and the universe. The basic concepts of chemistry and physics are covered within the context of Earth Science topics, which include geology, paleontology, oceanography, meteorology, and astronomy. Critical thinking and lab work are emphasized.

ANATOMY & PHYSIOLOGY

Grade Level:	11-12
Length:	1 year
Prerequisite:	Concurrent enrollment in Algebra II or above; successful completion of all semesters of previous math and science classes; teacher recommendation
Graduation:	Fulfills life science requirement
College Prep:	Fulfills CSU/UC lab science requirement

Anatomy & Physiology students will study natural and chemical functions of the body and will be prepared for further work in fields related to health careers. Topics for study will include the major systems of the body--digestive, circulatory, nervous, reproductive. Individual projects and laboratory work will be emphasized. Students will do animal and organ dissections.

HONORS ANATOMY & PHYSIOLOGY

Grade Level:	11-12
Length:	1 year
Prerequisite:	Completion of Biology and Chemistry with a grade of B or higher; teacher recommendation
Graduation:	Fulfills life science requirement
College Prep:	Fulfills CSU/UC lab science requirement, weighted grade (pending)

Honors Human Anatomy and Physiology explores the systems comprising the human body by emphasizing physiological mechanisms and a thorough understanding of human anatomy. Physiology of body systems is covered in much more depth and the course moves at a faster pace than regular Human Anatomy and Physiology. It will include literature review, research, and a substantial laboratory component, which includes fetal pig and cat dissection, in addition to several organ dissections. This course is recommended for those pursuing a career in the Health Science field.

FORENSIC SCIENCE

Grade Level:	10-12
Length:	1 year
Prerequisite:	Successful completion of Algebra and Biology
Graduation:	Fulfills physical science requirement
College Prep:	Fulfills CSU/UC lab science requirement (pending)

Forensic Science is a lab based investigative course that teaches students the how and why of evidence collection. Forensic science is important in many careers from the legal system to the medical field. This course fits with both Dublin High School's emerging Biomedical Pathway and its existing ROP Criminal Justice course. Our Forensic Science course focuses on three main strands: The Inquiry Process, the History and Nature of Science, and, Science in Personal and Societal Perspectives.

PRINCIPLES OF BIOMEDICAL SCIENCE

Grade level:	9-12
Length:	1 year
Prerequisite:	Concurrent enrollment or completion of Biology
Graduation:	Fulfills the 3 rd year elective science requirement
College Prep:	Fulfills CSU/UC lab science req.

Students investigate various health conditions including heart disease, diabetes, sickle-cell anemia, hypercholesterolemia, and infectious diseases. Students determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lays the scientific foundation for subsequent courses.

BIOTECHNOLOGY

Grade level:	11-12
Length:	1 year
Prerequisite:	Successful completion of both semesters of both Biology and Chemistry
Graduation:	Fulfills the 3 rd year elective science requirement
College Prep:	Fulfills CSU/UC lab science req.

Biotechnology is a lab-intensive course designed to combine molecular biology with practical applications. The main goals are gaining a deeper understanding of: molecular genetics, proteins, lab protocols and techniques, and an introduction to Biotechnology in the world today. Students will be exposed to DNA fingerprinting, gene mapping, electrophoresis and DNA spooling, as well as activities that relate biotechnology to daily life. Students will also have the opportunity to experience the basics of microbiology, human genetics, and exploration of bioethical issues. This will prepare students for future science coursework in college as well as introduce the area of Biotechnology as a possible future career.

PHYSICS

Grade Level:	11-12
Length:	1 year
Prerequisite:	Concurrent enrollment in Trig/PreCalc or above; successful completion of all semesters of previous math (including Algebra II/Trig) and science classes (including Chemistry); permission of the instructor
Graduation:	Fulfills physical science requirement
College Prep:	Fulfills CSU/UC lab science requirement

Physics is concerned with describing the relationship between matter and energy. Topics include: motion and the relationship between force and motion, wave behavior (light, sound, etc.), electric and magnetic concepts, and an introduction to the modern concept of the atom. Use of a graphing calculator is required for this course. Critical thinking and lab work and reporting are emphasized. Students must have passed AlgebraII/Trig to enroll in this class.

AP BIOLOGY

Grade Level:	11-12
Length:	1 year
Prerequisite:	Concurrent enrollment in Trig/PreCalc or above; successful completion of all semesters of previous math (including Algebra II/Trig) and science classes (including Chemistry); teacher recommendation
Graduation:	Fulfills life science requirement
College Prep:	Fulfills CSU/UC lab science requirement, college credit upon passing the national exam in May, weighted course

AP Biology is a rigorous college-level course, requiring self-motivated and independent learners. This course extends and deepens those concepts developed in the first year Biology course, preparing the student to take the AP Biology Exam in May. Critical thinking, lab work, and scientific writing are emphasized.

AP CHEMISTRY

Grade Level:	11-12
Length:	1 year
Prerequisite:	Concurrent enrollment in Trig/PreCalc or above; successful completion of all semesters of previous math (including Algebra II/Trig) and science classes (including Chemistry); permission of the instructor
Graduation:	Fulfills physical science requirement
College Prep:	Fulfills CSU/UC lab science requirement, college credit upon passing the national exam in May, weighted course

AP Chemistry is a rigorous college-level course, requiring self-motivated and independent learners. This course will extend and deepen those concepts developed in the first year Chemistry course, preparing the student to take the AP Chemistry Exam in May. Use of a graphing calculator is required for this course. Critical thinking and lab work and reporting are emphasized.

AP PHYSICS

Grade Level:	11-12
Length:	1 year
Prerequisite:	Concurrent enrollment in Calculus or above; successful completion of all semesters of previous math (including Trig/PreCalc) and science classes (including Chemistry); permission of the instructor
Graduation:	Fulfills physical science requirement
College Prep:	Fulfills CSU/UC lab science requirement, college credit upon passing the national exam in May, weighted course

AP Physics is concerned with describing the relationships between matter and energy. Topics include: motion and the relationship of force and motion, wave behavior (light, sound), electric and magnetic concepts, and an introduction to the modern concept of the atom and the universe. This course may **not** be taken for duplicate credit after regular Physics. This is a rigorous college-level course, requiring self-motivated and independent learners. Careful preparation is required. Use of a graphing calculator is required for this course. Critical thinking and lab work and reporting are emphasized.

ROP ENVIRONMENTAL SCIENCE

School Site:	Dublin
Grade Level:	11-12
Length:	1 year/2 hours per day
Prerequisite:	Successful completion of Algebra or equivalent and one lab science class
Graduation:	Fulfills Physical Science and Life Science requirements
College Prep:	Fulfills CSU/UC lab science req.

Students gain the knowledge and skills to understand cause and management of environmental issues and interactions. Learn basic laboratory and field techniques including specimen sampling and processing, site monitoring, documentation, inspection and emergency response. Become familiar with the Geographic Information Systems (GIS). Incorporate academic rigor with practical application by exploring the links between environment, politics, and economics. Gain a broad awareness of environmental science and technological career opportunities through involvement with local environmental businesses, educational research institutes, and national labs. Students should be prepared to participate in outdoor field work requiring some physical activity and willingness to get dirty.

ROP ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

School Site:	Dublin, Foothill
Grade Level:	11-12
Length:	1 year/2 hours per day
Prerequisite:	Successful completion of Geometry or Algebra II, plus at least one other laboratory science course
Graduation:	Fulfills Physical Science and Life Science requirements
College Prep:	Fulfills CSU/UC lab science req. This course is weighted.

In addition to the core requirements outlined above for Environmental Science, study and expectations are designed to provide students with an academic experience parallel to that of the college level, while promoting critical thinking skills involved in independent research studies. A significant amount of reading and research is required, over that required for non-AP students. All Advanced Placement students are expected to prepare for and take the Advanced Placement Environmental Science Exam. Advanced Placement Environmental Science students are encouraged to enrich their learning potential with job shadowing, internships, and career mentors.

ROP ALTERNATIVE RENEWABLE ENERGY

School Site:	Dublin
Grade Level:	11-12
Length:	1 year/1 period
Graduation:	Fulfills physical science credit
College prep:	Fulfills CSU/UC college prep elective credit

Alternative/Renewable Energy will provide students with the opportunity to explore the uses, efficiencies, and future social, economic and environmental implications of developing energy resources other than those based on fossil fuel. Students will explore the controversies of our human impact on this planet with our fuel demands, as well as the possible solutions to our energy needs. Students will learn about biofuels, hydrogen fuel cells, geothermal heat transfer, wind energy, and solar as a source of both heat and electric power. Field trips and student-led projects will provide real world application of our studies. Students will gain a broad understanding of energy efficiencies and cost-benefit analysis of resource use as well as a sound practical application of general energy principles. Career exploration in the growing field of alternative energy will be emphasized.

SOCIAL SCIENCE

WORLD HISTORY

Grade Level:	10
Length:	1 year
Prerequisite:	none
Graduation:	Fulfills First year of Social Science requirement
College Prep:	Fulfills CSU/UC History requirement

Students examine major turning points in the shaping of the modern world. First semester is spent looking at the expansion of the West (Europe) and the growing interdependence of people and cultures throughout the world. Second semester moves into the 20th Century. Current events, class activities, projects and a term research paper are used to promote class discussions and critical thinking skills. Major areas to be studied are Rising Tide of Revolutions, Industrialization and Its Impact, Western Imperialism, World War II, Civilizations in Crisis (1882-1945) and the Contemporary World (1945 to present).

AP EUROPEAN HISTORY

Grade Level:	10
Length:	1 year
Prerequisite:	Successful completion of placement test, and English teacher recommendation.
Graduation:	Fulfills First year of Social Science requirement
College Prep:	Fulfills CSU/UC History requirement, weighted course

Students gain knowledge of basic chronology and of major events and trends from 1450 to the present. They develop an understanding of principle themes in modern European history and develop their ability to analyze historical events. Students express historical understanding through writing. As with all Advanced Placement courses, this is a demanding and rigorous class taught as a college-level course, designed to prepare students to successfully pass the Advanced Placement European History examination which they are required to take in May.

U.S. HISTORY

Grade Level:	11
Length:	1 year
Prerequisite:	World History
Graduation:	Fulfills Second year of Social Science requirement
College Prep:	Fulfills CSU/UC History requirement

United States History offers a broad curriculum with emphasis on vitalizing history as a link between past and present. Students examine the chronological background of significant events and critical turning points in U. S. history, identify individuals/groups who made major contributions to the political, economic, social, and cultural development in a given period; define the basic values and principles of our constitutional system and the pluralistic nature of our states and nation; recognize the historical development of the United States as a world power; and understand the social, political, and economic stance of the United States in the world community. Emphasis in U.S. History is on critical thinking skills attained through class lectures, discussions, activities, and projects.

AP U.S. HISTORY

Grade Level:	11
Length:	1 year
Prerequisite:	Teacher recommendation
Graduation:	Fulfills Second year of Social Science requirement
College Prep:	Fulfills CSU/UC History requirement, weighted course

Students build an understanding of the economic, political, and social changes that have occurred in United States history. This course encourages students to weigh evidence and interpret problems presented by historians. Through assessment and critical analysis of historical documents and interpretations of them, students learn to analyze data, form conclusions, and present well-reasoned, persuasive arguments in written form. Students are required to take the AP exam in May.

ECONOMICS

Grade Level:	12
Length:	1 semester
Prerequisite:	U.S. History
Graduation:	Fulfills Economics of Social Science requirement
College Prep:	Fulfills CSU/UC elective requirement

In this course, which is a graduation requirement, students study fundamental economic concepts, appreciate how the principle concepts of economics relate to each other, and understand the structure of our nation's economic system. The goal of the course is to help students make reasoned judgements about economic policies which affect their lives. Focal points of this course include understanding terminology, interpreting tools of analysis, identifying economic indicators, studying the use of goods and services, understanding the role of market and elements in the economy, identifying forms of business organizations, and analyzing the role of government.

AP MICROECONOMICS

Grade Level:	12
Length:	1 semester
Prerequisite:	US History Teacher recommendation
Graduation:	Fulfills Economics of Social Science requirement
College Prep:	Fulfills CSU/UC elective requirement, weighted course

Advanced Placement Microeconomics is a course designed to provide students with a challenging, thorough understanding of the specific principles of economics that apply to the individual decision makers, individual households and firms, which fuel our economic system. Students will examine the theory of consumer behavior, which includes opportunity cost and incentives. Emphasis will be placed on the nature and functions of product markets, where students will evaluate determinants of supply and demand, production and costs, and the theory of the firm. Students will also examine the behavior of factor markets, and will explore the role of government in promoting the economic goals of equity and efficiency. Students are required to take the AP exam in May.

CIVICS

Grade Level:	12
Length:	1 semester
Prerequisite:	U.S. History
Graduation:	Fulfills Civics of Social Science requirement
College Prep:	Fulfills CSU/UC elective requirement

This course, which is a graduation requirement, affords an understanding of the American political system with particular emphasis on the importance of participation in a democracy. Critical political science concepts are explored along with the sociopolitical patterns evident in American society today. The framework of state government is also examined with an in-depth look at California government. Critical thinking skills are promoted through discussions, activities, projects, lectures, and simulations.

AP U.S. GOVERNMENT AND POLITICS

Grade Level:	12
Length:	1 semester
Prerequisite:	US History Teacher recommendation
Graduation:	Fulfills Civics of Social Science requirement
College Prep:	Fulfills CSU/UC elective requirement, weighted course

This course serves as an introduction to the U.S. national government. The AP course will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. Students are required to take the AP exam in American Government and Politics.

PSYCHOLOGY

Grade Level:	10-12
Length:	1 semester
Prerequisite:	none
Graduation:	Fulfills First year of Social Science requirement
College Prep:	Fulfills CSU/UC elective requirement

This course surveys the basic psychological concepts underlying human and animal behavior in such areas as learning, motivation, perception, personality, social behavior, workings of the mind/body, the life span, adjustment/breakdown, and human relations. Students also learn why psychology is important and how it can be applied to solving everyday problems.

Thinking and discussion skills are emphasized through the use of class activities, projects, discussions, lectures, and videos in order to help the student understand herself/himself and other people.

AP PSYCHOLOGY

Grade level: 11-12
Length: 1 year
Prerequisite: Teacher recommendation
Graduation: Fulfills elective credit
College prep: Fulfills CSU/UC college prep elective, weighted course

The purpose of the course is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major sub-fields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice.

AMERICA IN THE 1960'S

Grade level: 11-12
Length: 1 semester
Prerequisite: Teacher recommendation
Graduation: Fulfills elective credit
College prep: CSU/UC college prep elective

No decade had as a greater impact on the culture of America than the 1960's. This course will discuss it all....The Music, Elvis-the Beatles-the Stones- the Beach Boys-Motown.....The War in Vietnam....the protests of that war...JFK, LBJ, and Nixon....Civil Rights-MLK, Malcolm X, Black Panthers and the Watts Riots.....The first Super Bowls and the A's arriving in Oakland....Hippies, Yippies, Woodstock and the Altamont.

THE CIVIL WAR IN AMERICA

Grade Level: 11-12
Length: 1 semester
Prerequisite: Teacher recommendation
Graduation: Fulfills elective requirement
College Prep: CSU/UC college prep elective

The Civil War in America is the single most important event in US History. Some of our greatest heroes, most notorious villains, finest generals and our most famous president come alive in this course. Students learn the background and causes of the conflict, military strategies and the great battles of the war.

LAW AND SOCIETY

Grade Level: 11-12
Length: 1 year or 1 semester
Prerequisite: none
Graduation: Fulfills elective requirement
College Prep: Fulfills CSU/UC elective requirement

This course is designed to give the student a practical understanding of the law and legal system in the United States. The course includes a study of the roles of lawyers, police officers, and courts in our legal system. Students learn about their rights guaranteed by the First, Fourth, Fifth, Sixth, Eighth and Fourteenth Amendments. Class activities such as mock trials and other simulated legal procedures, together with outside speakers, help students understand the United States legal system.

ETHNIC AND CULTURAL DIVERSITY IN AMERICA

Grade Level: 10-12
Length: 1 semester
Prerequisite: none
Graduation: Fulfills elective requirement
College Prep: Fulfills CSU/UC elective requirement

Students will have a broad understanding of the struggles, accomplishments and contributions of various ethnic and cultural groups in America. Students develop an appreciation for the diversity in America and how it positively shapes our country.

SPECIAL EDUCATION CLASSES

The Special Education Program at Dublin High School several classes. The overall purpose of these programs is to meet the individual needs of students with an Individual Education Plan (IEP) in the least restrictive environment. The two types of programs at Dublin High School are listed below. Additional services include: Adaptive PE, Workability, Speech/Language and Psychological Support Services. Special Education classes are not college preparatory.

RESOURCE SPECIALIST PROGRAM

The Resource Specialist Program provides students with an identified specific learning disability academic and compensatory instruction necessary for success in high school. Tutorial and instructional assistance is given.

SPECIAL DAY CLASSES

The Special Day Classes offer an alternative to students with specific disabilities who require additional support. Direct instruction in the core curriculum is offered through Special Day Classes with modifications and adaptations to fulfill school requirements.

ENGLISH 1/2

Grade Level: 9-10
Length: 1 year
Prerequisite: Current IEP
Graduation: Fulfills 1-2 yrs of 4- yr English requirement

Students receive instruction in the areas of reading, writing, spelling, grammar, vocabulary development, and oral expression that parallels the regular English programs. Core literature is adapted to accommodate students skill levels. Individual needs are developed in each student's IEP.

ENGLISH 3/4

Grade Level: 11-12
Length: 1 year
Prerequisite: Current IEP
Graduation: Fulfills 1-2 yrs of 4- yr English requirement

Students receive instruction in the areas of reading, writing, spelling, grammar, vocabulary development, and oral expression that parallels the regular English programs. Core literature is adapted to accommodate students skill levels. Individual needs are developed in each student's IEP.

WORLD HISTORY

Grade Level: 9-12
Length: 1 year
Prerequisite: Current IEP
Graduation: Fulfills World History requirement

Students receive instruction that parallels the regular World History programs. Modified presentations include information on the geography, history, cultures, economics, and politics of the major world regions.

ELECTIVE TUTORIAL

Grade Level: 9-12
Length: 1 year
Prerequisite: Current IEP
Graduation: Fulfills 1 year elective credit requirement

Students receive tutorial and instructional assistance necessary for success in high school.

SDC ENGLISH

Grade Level: 9-12
Length: 1 year
Prerequisite: Current IEP
Graduation: Fulfills 1-4 years of 4 year English requirement

Students receive instruction that focuses on developing students reading and written language skills. Basic skill remediation emphasizes the areas of reading, writing, spelling, speaking, and listening.

SDC MATHEMATICS

Grade Level: 9-12
Length: 1 year
Prerequisite: Current IEP
Graduation: Fulfills 1-2 years of 2 year Math requirement

Students receive instruction in the fundamentals of mathematics and life skills mathematics. Instruction introduces and/or reviews basic whole number operations, fractions, decimals, percents, measurement, and practical applications. This course offers remediation for transition into the regular Pre- Algebra class but does not offer full preparation for the CAHSEE.

SDC WORLD HISTORY

Grade Level: 9-12
Length: 1 year
Prerequisite: Current IEP
Graduation: Fulfills World History requirement

Students receive instruction that parallels the regular World History program. Modified presentations include information on the geography, history, cultures, economics, and politics of the major world regions.

SDC U.S. HISTORY

Grade Level: 11
Length: 1 year
Prerequisite: Current IEP
Graduation: Fulfills U.S. History requirement

Students receive instruction that parallels the regular U.S. History program. Modified instruction covers U.S. political, social, and economic history from the Colonial period through contemporary times.

ECONOMICS

Grade Level: 11-12
Length: 1 year
Prerequisite: Current IEP
Graduation: Fulfills Economics requirement

Students receive instruction that parallels the regular Economics program. Modified presentations include information on the fundamental economic concepts, principals of economics as they relate to each other, and an understanding of the structure of our nation's economic system.

CIVICS

Grade Level: 11-12
Length: 1 year
Prerequisite: Current IEP
Graduation: Fulfills Civics requirement

Students receive instruction that parallels the regular Civics program. Modified presentations include the American political system, critical political science concepts, and the sociopolitical patterns evident in American society today.

SDC SCIENCE

Grade Level: 9-12
Length: 3 years
Prerequisite: Current IEP
Graduation: Fulfills science graduation requirement

Students receive instruction that parallels the science curriculum. Modified instruction examines conceptual physics, biology, and earth science content.

SDC ELECTIVE TUTORIAL

Grade Level: 9-12
Length: 1 year
Prerequisite: Current IEP
Graduation: Fulfills 1 year elective credit requirement

Students receive tutorial and instructional assistance necessary for success in high school.

COUNSELING ENRICHED SDC

Grade Level: 9-12

Length: 1 year

Prerequisite: Current IEP

Graduation: Fulfills specific academic requirements

Specific course selections and schedules are determined on an individual student basis and planned by the Individual Education Plan team.

MODERATE/SEVERE SDC

Grade Level: through age 22

Length: 1 year

Prerequisite: Current IEP

Graduation: Does not meet academic requirements

Specific student academic and life-skills are determined on an individual student basis and planned by the Individual Education Plan team.

LIFESKILLS SDC

Grade Level: through age 22

Length: 1 year

Prerequisite: Current IEP

Graduation: Does not meet academic requirements

Special Day Class for Students with Moderate to Severe Disabilities: This class is geared toward addressing IEP goals and objectives that focus on functional academic skills, social skills, prevocational/vocational skills, community skills, and independent living skills. This classroom and community-based instruction is designed to teach students to function as independently as they can in their community.

DEVELOPMENTALLY DELAYED SDC

Grade Level: through age 22

Length: 1 year

Prerequisite: Current IEP

Graduation: Does not meet academic requirements

Specific student academic and life-skills are determined on an individual student basis and planned by the Individual Education Plan (IEP) team.

TRANSITION PROGRAM

Grade Level: 18-22 years old

Length: 4 years

Prerequisite: Current IEP

Graduation: Does not meet academic requirements

The Transition Program is a post high school Special Day Class for students on the Certificate of Completion track. Life skills are taught using real world settings within the community as well as in the classroom. The primary goal is to establish greater independence within each individual student.

WORLD LANGUAGES

FRENCH 1

Grade Level: 9-12

Length: 1 year

Prerequisite: none

Graduation: Fulfills Foreign Language requirement

College Prep: Fulfills CSU/UC Foreign Language requirement

This course is designed to introduce the student to basic grammar, vocabulary and conversation in French. Material on the geography and culture of French-speaking countries is also included.

FRENCH 2

Grade Level: 9-12
Length: 1 year
Prerequisite: A passing grade in French 1
Graduation: Fulfills Foreign Language requirement
College Prep: Fulfills CSU/UC Foreign Language requirement
This course is a continuation of French 1 with emphasis on improving the student's ability to communicate through speaking, listening, reading and writing. Culture and geography will be explored in detail.

FRENCH 3

Grade Level: 9-12
Length: 1 year
Prerequisite: A passing grade in French 2
Graduation: Fulfills Foreign Language requirement
College Prep: Fulfills CSU/UC Foreign Language requirement
This course continues to teach the more advanced concepts in writing, reading, understanding and speaking French. Literature is introduced. The culture of francophone countries, including francophone Africa, is explored.

FRENCH 4 Honors

Grade Level: 10-12
Length: 1 year
Prerequisite: A passing grade in French 3
Graduation: Fulfills Foreign Language requirement
College Prep: Fulfills CSU/UC Foreign Language requirement, weighted course
This course is designed to further improve the students' skills in reading, written, oral expression and comprehension. Long-term assignments and group projects allow students to showcase their knowledge of the language and culture of French. French literature will be read and discussed. Advanced concepts in grammar, writing and speaking are taught. Culture is also explored.

AP FRENCH

Grade Level: 11-12
Length: 1 year
Prerequisite: A passing grade in French 4
Graduation: Fulfills Foreign Language requirement
College Prep: Fulfills CSU/UC Foreign Language requirement, weighted course
This course is comparable to a 3rd year college-level course. It consists of a thorough review of all the major French grammatical structures, reading and discussion of literature in French, in-depth discussion of news and current events, essay writing, practice in speaking, and frequent tests. It culminates in the taking of the Advanced Placement exam in French language. Students who pass the exam, may receive college credit.

SPANISH 1

Grade Level: 9-12
Length: 1 year
Prerequisite: none
Graduation: Fulfills Foreign Language requirement
College Prep: Fulfills CSU/UC Foreign Language requirement
This course introduces the student to basic vocabulary, grammar and conversation in Spanish. The geography and culture of Spanish-speaking countries will also be explored.

SPANISH 2

Grade Level: 9-12
Length: 1 year
Prerequisite: A passing grade in Spanish 1
Graduation: Fulfills Foreign Language requirement
College Prep: Fulfills CSU/UC Foreign Language requirement
This course is a continuation of Spanish 1 with an emphasis on improving the students' ability to communicate orally, in listening comprehension, and in reading and writing. Culture and geography are again studied.

SPANISH 3

Grade Level: 9-12
Length: 1 year
Prerequisite: A passing grade in Spanish 2
Graduation: Fulfills Foreign Language requirement
College Prep: Fulfills CSU/UC Foreign Language requirement
This course teaches advanced concepts in writing, reading, listening, and speaking Spanish. Culture and geography are covered in detail.

SPANISH 4 Honors

Grade Level: 10-12
Length: 1 year
Prerequisite: A passing grade in Spanish 3
Graduation: Fulfills Foreign Language requirement
College Prep: Fulfills CSU/UC Foreign Language requirement, Weighted course
This course is designed to further improve the students' skills in written and oral expression, and in reading and writing. Literature is introduced. Advanced concepts in grammar, writing, and speaking are taught and reviewed. Culture and geography will be covered in detail.

AP SPANISH LANGUAGE AND CULTURE

Grade Level: 11-12
Length: 1 year
Prerequisite: A passing grade in Spanish 4
Graduation: Fulfills Foreign Language requirement
College Prep: Fulfills CSU/UC Foreign Language requirement, weighted course
This course is comparable to a 3rd year college-level course. It consists of a thorough review of all of the major Spanish grammatical structures, reading and discussion of literature in Spanish, essay writing, full immersion in the Spanish language, frequent tests, and in-depth study of Spanish speaking cultures. This course culminates in the taking of the Advanced Placement Exam in Spanish Language. (Note: if enrollment is not sufficient to offer a separate class, only those students who receive teacher approval will complete the above work independently or prepare independently for the Advance Placement Exam in Spanish Language)

AP SPANISH LITERATURE AND CULTURE

Grade Level: 11-12
Length: 1 year
Prerequisite: A passing grade in Spanish 4 or AP Spanish Language
Graduation: Fulfills Foreign Language requirement
College Prep: Fulfills CSU/UC Foreign Language requirement, weighted course
This course is designed to introduce students to the formal study of a representative body of literature, written in Spanish, from Spain, Latin America and the United States. It provides students with ongoing and varied opportunities to develop proficiency in Spanish across a full range of skills, with emphasis on critical reading and analytical writing. It also encourages students to reflect on the many voices and cultures included in the rich and diverse body of literature written in Spanish.

CHINESE MANDARIN 1

Grade Level: 9-12
Length: 1 year
Prerequisite: none
Graduation: Fulfills Foreign Language requirement
College Prep: Fulfills CSU/UC Foreign Language requirement
This is a beginning Mandarin Chinese course intended for students with no prior knowledge of any Chinese speaking or writing ability. This course will focus on the Chinese Hanyupinyin (phonetic) system: tones, rules of phonetic spelling, and pronunciation drill; and Chinese characters: creation and evolution, stroke order, structure, and the writing system. Reading and writing skills are introduced. Students will learn the basic sentence patterns, and develop the Chinese language skills in listening, speaking, reading, and writing.

CHINESE MANDARIN 2

Grade Level: 9-12
Length: 1 year
Prerequisite: Successful completion of Chinese I and teacher recommendation.
Graduation: Fulfills Foreign Language requirement

College Prep: Fulfills CSU/UC Foreign Language requirement

This course is designed for students interested in a continuation of learning Mandarin Chinese. This course will focus on the review of grammar and a further development of reading, speaking, listening and writing skills. This course presupposes a basic knowledge of Chinese, characters, sentences, and grammar. Emphasis will be placed upon practical use of Chinese, so that students will experience the world of Communication among the Chinese language speaking people.

CHINESE MANDARIN 3

Grade Level: 9-12
Length : 1 Year
Prerequisite: Successful completion of Mandarin 2 or teacher recommendation
Graduation: Fulfills Foreign Language requirement
College Prep: Fulfills CSU/UC Foreign Language requirement

This course is a continuation of the study of the Chinese language and culture. It will expand students' ability to function in Mandarin developed in Mandarin I and Mandarin II. Students will develop fluency in understanding, speaking, reading, and writing Chinese. Selected readings about Chinese culture and literature will be explored.

CHINESE MANDARIN 4 Honors

Grade Level: 10-12
Length : 1 Year
Prerequisite: Successful completion of Mandarin 3 or teacher recommendation
Graduation: Fulfills Foreign Language requirement
College Prep: Fulfills CSU/UC Foreign Language requirement, weighted course (pending)

This course is a continuation of the study of the Chinese language and culture. It will expand students' ability to function in Mandarin developed in levels 1, 2, 3. Students will develop fluency in understanding, speaking, reading, and writing Chinese. Selected readings about Chinese culture and literature will be explored.

AP CHINESE LANGUAGE AND CULTURE

Grade Level: 10-12
Length : 1 Year
Prerequisite: Successful completion of Mandarin 4H or teacher recommendation
Graduation: Fulfills Foreign Language requirement
College Prep: Fulfills CSU/UC Foreign Language requirement, weighted course

In this course, you will use authentic Chinese materials and sources to develop your language skills in multiple modes of communication, including two-way interactions in both writing and speaking; interpretation of audio, audiovisual, and print materials; and oral and written presentation of information and ideas. This course culminates in the taking of the Advanced Placement Exam in Chinese Language.

AMERICAN SIGN LANGUAGE I

Grade Level: 9-12
Length: 1 year
Prerequisite: none
Graduation: Fulfills Foreign Language requirement
College Prep: Fulfills CSU/UC Foreign Language requirement (pending)

The American Sign Language (ASL) class provides an introduction to the language of the Deaf, the Deaf Community, and Deaf Culture. The ASL classes emphasize conversational skills in functional situations and provide students an opportunity to explore the language and culture of deafness.

NON DEPARTMENTAL

AVID

Grade Level 9 – 12
Length 2 Semesters (may repeat for credit)
Pre-requisite: Teacher recommendation and interview essential, GPA verification required as well as a written contract signed by both student and parent/guardian. All students in the program must be on track for four-year college eligibility, maintain excellent attendance and behavior. Students must also be enrolled in foreign language starting in freshman year. AVID students are required to complete 10 hours of community service each semester.
Graduation: Fulfills elective credit.

College Prep: Seniors will be enrolled in “AVID Senior Seminar”, for which they will receive “g” elective credit. In order for seniors to count AVID as a college prep class, they must be in one or more Honors or AP course in both junior and senior year, in addition to being in AVID for both of these years. Students who do not do this will earn credit for a class called AVID 12, but is not college preparatory credit.

AVID utilizes the program philosophy that effort creates ability. AVID is an acronym for “Advancement Via Individual Determination”. This class provides a path for academic excellence that will ultimately enable students to meet eligibility standards at four-year colleges. In addition to developing study, research and term paper writing skills, students will also be introduced at the junior and senior year level to the concept, “Leadership as a Positive Catalyst for Change in Society”. Students in the Junior Seminar will be expected to complete a study of leadership styles and a term paper/project. Students in their freshman/sophomore years will be expected to complete a college research project each year. In order to continued participation in the program, students must meet contractual obligations, which include but are not limited to maintaining a minimum GPA of 2.5 and staying on a college preparatory track. Students who do not meet these requirements are dismissed from the program.

***Note: Potential 9th grade AVID students will be selected at the end of their 8th grade year pending final grades.**

AVID TUTOR

Grade Level: 12*
Length: 1 or 2 Semesters
Pre-requisite: Approval of AVID Coordinator, strong college preparatory classes/advanced level, excellent communication skills.

Graduation: Fulfill elective credit..

College Prep: This course is not college preparatory.

Students will be responsible for facilitating tutorials in the AVID program, evaluating binders and planners and may be assigned to other classes when AVID does not require their presence in order to assist students.

STUDENT ASSISTANT

Grade Level: 11-12
Length: 1 year or 1 semester
Prerequisite: Teacher recommendation, minimum 2.5 GPA prior semester, excellent attendance and behavior

Graduation: Fulfills elective requirement

Limited to one Student Assistant class per semester. A student may not take more than 20 units, combined, in Work Experience and Student Assistant. Students who have special skills in typing, filing, tutoring, or specific subjects may apply for positions with teachers, secretaries and other school personnel provided they first have their counselor’s approval. All Student Assistant positions must be confirmed in writing on a specific form secured from the counselor.

STUDENT LEADERSHIP

Grade Level: 10-12
Length: 1 year
Prerequisite: Teacher recommendation and Interview
Graduation: Fulfills elective requirement

The Student Leadership class is designed as an activity class in which students plan and execute all co-curricular activities, with the exception of athletics, for the Dublin High School student body. Students meet as the executive council to discuss, vote on, and implement special projects throughout the school year, as well as perform the specific duties of their elected or appointed office. This class meets before school, from 7:30 a.m. to 7:55 a.m., five days per week. In addition, students are expected to perform a substantial amount of school and community service outside the regular school day

FRESHMAN LEADERSHIP

Grade Level: 9
Length: 1 year
Prerequisite: Minimum 2.0 GPA prior semester, teacher recommendation
Graduation: Fulfills elective requirement

The Freshman Leadership class is designed to teach freshman effective leadership skills that will help them be successful throughout high school and beyond. Members of this class will be involved in all facets of campus life, and will be expected to help involve their peers in positive activities on campus. In addition to teaching students to be effective leaders and leading the freshman class, this activity-based course allows students to plan and conduct extra-curricular activities for the entire DHS student body. Students discuss, vote on, and implement special projects throughout the school year. Students are also expected to perform a substantial amount of school and community service outside of the regular school day.

YEARBOOK

Grade Level: 9-12
Length: 1 year (may be repeated for credit)
Prerequisite: Applications are available in the spring and selected applicants will be contacted by the adviser for an interview. Teacher recommendation (including Middle School English teacher recommendation for incoming freshmen.)
Graduation: Fulfills elective requirement

This is a year-long course in which students publish the school's annual yearbook, Gaela Mor. Staff members, selected on the basis of an application and interview with the adviser, must demonstrate a high level of responsibility, maturity, and organization. Students will gather news, photograph DHS events, write and edit copy, create layouts and solicit advertising. Student editors generate an overview for the yearbook and delegate assignments under the supervision of the adviser. Instructional goals include following professional journalistic techniques and styles while meeting deadlines for publication. Word processing and computer programs, especially PageMaker, are used throughout this course.

ENGINEERING COURSES

INTRODUCTION TO ENGINEERING DESIGN (IED)

Grade Level: 9-12
Length: 1 year
Prerequisite: none
Graduation: Fulfills elective requirement
College Prep: Fulfills CSU/UC elective credit

In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation.

PRINCIPLES OF ENGINEERING (POE)

Grade Level: 9-12
Length: 1 year
Prerequisite: Completion of Algebra with a 'B' or higher
Graduation: Fulfills elective requirement
College Prep: Fulfills CSU/UC elective credit

This survey course of engineering exposes students to some of the major concepts they'll encounter in a post-secondary engineering course of study. Students have an opportunity to investigate engineering and high-tech careers and to develop skills and understanding of course concepts. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students also learn how to document their work and communicate their solutions to peers and members of the professional community

DIGITAL ELECTRONICS (DE)

Grade Level: 10-12
Length: 1 year
Prerequisite: Completion of POE or IED
Graduation: Fulfills elective requirement
College Prep: Fulfills CSU/UC elective credit

Digital electronics is the foundation of all modern electronic devices such as mobile phones, MP3 players, laptop computers, digital cameras and high-definition televisions. Students are introduced to the process of combinational and sequential logic design, engineering standards and technical documentation.

COMPUTER PROGRAMMING

Grade Level: 9-12
Length: 1 year
Prerequisite: Successful completion of Algebra
Graduation: Fulfills elective credit
College Prep: Fullfills CSU/UC elective credit

This course provides an introduction to computer programming using the Basic programming language and an introduction to C++ programming.

COMPUTER SCIENCE/SOFTWARE ENGINEERING (CSSE)

Grade Level: 9-12
Length: 1 year
Prerequisite: Concurrently enrolled in Geometry or higher, teacher recommendation
Graduation: Fulfills elective requirement
College Prep: Fulfills CSU/UC elective credit

How do creative abstraction and computational power change our lives? Students will study units in computer science, web design and information technology, information science, and software engineering to answer these questions. Students will learn to use HTML, CSS, Javascript, MIT's Scratch programming language and its extension Snap!, and be introduced to Python. Students will also use MIT's AppInventor to develop an Android app. This class is part of a national pilot program for Project Lead The Way (PLTW).

ROP COMPUTER INTEGRATED MANUFACTURING (CIM)

School Site: Dublin HS
Grade Level: 11-12
Length: 1 year
Prerequisite: Completion of POE or IED
Graduation: Fulfills elective requirement
College Prep: Fulfills CSU/UC elective credit

How are things made? What processes go into creating products? Is the process for making a water bottle the same as it is for a musical instrument? How do assembly lines work? How has automation changed the face of manufacturing? While students discover the answers to these questions, they're learning about the history of manufacturing, robotics and automation, manufacturing processes, computer modeling, manufacturing equipment, and flexible manufacturing systems.

ROP CIVIL ENGINEERING AND ARCHITECTURE

School Site: Livermore HS
Grade Level: 11-12
Length: 1 year
Prerequisite: Completion of POE or IED
Graduation: Fulfills elective requirement
College Prep: Fulfills CSU/UC elective credit

Students learn about various aspects of civil engineering and architecture and apply their knowledge to the design and development of residential and commercial properties and structures. In addition, students use 3D design software to design and document solutions for major course projects. Students communicate and present solutions to their peers and members of a professional community of engineers and architects. This course is a specialization-level course designed to follow the Project Lead the Way Engineering foundation courses.

TRI-VALLEY ROP CLASSES

GENERAL INFORMATION

Tri-Valley Regional Occupational Program (ROP) offers classes to juniors and seniors that develop skills necessary for employment following completion of high school or the ROP class, that sequence directly into business, industry and/or continuing education.

ROP classes are occupation-oriented classes which are credited in the same manner as other elective classes.

The Tri-Valley ROP offers classes at Amador, Dublin, Foothill, Granada, Livermore, Valley, and Village High Schools, as well as TV Channel 30, Dublin-San Ramon Services District Regional Wastewater Treatment Facility, and Dublin Beauty College.

TYPES OF ROP CLASSES

- **Classroom/Laboratory:** Learning environments for ROP classes include worksites, drafting lab, auto shop and graphics lab.
- **Community Classroom:** Combines classroom education and non-paid work-based training assignments. After six to nine weeks of classroom instruction, students are placed at a community business/work-site. Once a student is placed, he/she spends a minimum of two hours per day, two to four days per week, at his/her assignment.
- **Cooperative Education (Co-Op):** Involves classroom learning and paid work-based training. The work-site training is similar to the Community Classroom program. However, in the Co-Op program the student earns wages and additional credits.

COMMUNITY COLLEGE CREDIT BY EXAM

This enables high school students to earn college credit. ROP classes, equivalent to introductory classes in approved community college programs in the same occupational area, may be granted college credit. Students who have completed the ROP articulation process for their class with a “B” or better do not need to repeat the class at the community college. Programs are articulated with community colleges to encourage students to continue advanced training in a 2-year certificate program.

All community college articulations refer to Las Positas and/or Chabot Colleges unless otherwise noted. See your counselor for clarification.

REGISTRATION/ELIGIBILITY

While seniors have priority, juniors and sophomores are eligible to enroll in ROP classes, as well. High school students may enroll in classes with the Career Education Specialist or the counselor/scheduling administrator at the high school. ROP classes comply with all mandates of Public Law 101476. Specific times of classes are determined as individual schools develop their master schedules and students are placed accordingly.

REPEAT POLICY

Credit is awarded for ROP classes in the same manner as all high school credit. ROP classes may not be repeated for credit. Non-credit repetition will be allowed for enrichment or to raise a letter grade. Some ROP subjects offer first and second year opportunities. ROP courses designated as I & II year programs allow students to receive credit in both years.

HIGH SCHOOL CREDIT

Credit for ROP courses is determined by the number of hours in which the student is enrolled:

Three hour program = 30 credits per year; Two hour program = 20 credits per year; One hour program = 10 credits per year

Some ROP classes have been approved for High School graduation subject requirements. These classes are noted “**Alternate Graduation Credit**”.

TRAVEL TIME

Students traveling between schools are allowed adequate time to report to classes on a timely basis.

TRANSPORTATION

Public bus transportation (Wheels) tickets are available through the Career Center for students participating in ROP classes at sites other than their home school.

ROP SPORTS MEDICINE/ATHLETIC TRAINER

School Site:	Dublin
Grade Level:	11-12
Length:	1 year/1 hour per day (+ internship)
Prerequisite:	Must be 16 years old
Graduation:	Fulfills elective req.
College credit:	CSU/UC college prep “g” elective credit

Sports medicine/athletic training is an exciting, growing field with employment opportunities in athletic training, sports medicine, and physical therapy aide. Units include anatomy and physiology, medical terminology, Kinesiology (interrelationship of the physiological processes and anatomy of the human body with respect to movement), classification, assessment and prevention of injuries, modalities and procedures, rehabilitation, nutrition, pharmacology, safety factors related to sports medicine and training room procedures. Additional supervised work-based learning is required outside of the classroom.

ROP MEDICAL OCCUPATIONS

School Site:	Granada
Grade Level:	11-12
Length:	1 year/2 hours per day
Prerequisite:	Must be 16 years old, TB Clearance, CPR Training
Graduation:	Fulfills elective req.
College Prep:	Credit by Exam— Chabot College

Medical Occupations provides introduction and exploration into the medical field. Students are instructed with a focus on career areas such as medical assisting, emergency medicine, sports medicine, veterinary medicine, dental assisting/hygienist, geriatric assistant, pharmacy technician, physical therapy, surgical technician and nursing. After completion of the course, students are eligible to take the California certification exam for Medical Assistants and become a California Certified Medical Assistant—Administrative (CCMA-A). Students are placed in clinical internships at local medical facilities with teacher approval. Work site facility health requirements include CPR, complete immunization records and TB clearance. Clinical internships require that students provide their own transportation. Community Classroom (unpaid) Clinical Internship is a required component of the program and students must provide their own transportation. (Additional Units may be earned)

ROP NURSING CAREERS

School Site:	Foothill
Grade Level:	11-12
Length:	1 year/2 hours per day
Prerequisite:	Must be 16 years old
Graduation:	Fulfills elective req.
College Prep:	Credit by Exam— Las Positas and Chabot College/CSU Transferable

Prepare for a career in the field of Nursing where overall job opportunities are expected to be excellent. Units include medical terminology, anatomy and basic patient care. Learn about the various nursing specialties while studying the care of patients and the role nurses provide in a variety of healthcare settings. Activities include placements in clinical internships at local hospitals, clinics and physician offices with teacher approval.

Note: Spring orientation is required.

ROP CRIME SCENE INVESTIGATION/CRIMINAL JUSTICE

School Site:	Dublin
Grade Level:	11-12
Length:	1 year/1 hour per day
Prerequisite:	Must be 16 years old
Graduation:	Fulfills elective req.
College Prep:	Credit by Exam—Las Positas College/CSU Transferable

This course of instruction will provide students with a strong overview of Law Enforcement as a career. The student will obtain a general understanding of the Criminal Justice System and the many career opportunities available, including but not limited to Police Officer, Lawyers, and Correctional Personnel. They will gain an understanding of the importance of evidence for Crime Scene Investigation and how evidence is used in the Criminal Justice System. Both objectives will be tied together using mock crime scenes for evidence gathering and analysis, mock trials, and other practical exercises. An emphasis is placed on presenting information in a clear, concise manner, both verbally and in writing. By becoming proficient in the skills taught in this course, students will have the ability to both decide if Law Enforcement is the career for them and help them obtain employment.

ROP WATER POLLUTION CONTROL

School Site:	Dublin San Ramon Services District Regional Wastewater Treatment Facility
Grade Level:	11-12
Length:	1 year/15 hours per week
Prerequisite:	Completion of Algebra I and Chemistry Pre-screening interview required.
Graduation:	Fulfills elective req.
College Prep:	CSU Sacramento - Certificate

Prepare to operate and maintain the wastewater treatment plant under direction of plant personnel. Learn to tend machinery and equipment connected with biological treatment processes; read and interpret charts, flow meters, and gauges; collect samples; perform process tests; and related duties. Completion of this course prepares students for certification as wastewater treatment plant operators and entry-level employment. Program is helpful for students who wish to enter maintenance, laboratory, collection system, or water distribution work. *Must attend pre-enrollment orientation.*

ROP ENVIRONMENTAL SCIENCE

School Site: Dublin
Grade Level: 11-12
Length: 1 year/2 hours per day
Prerequisite: Successful completion of Algebra or equivalent and one lab science class
Graduation: Fulfills Physical Science and Life Science requirements
College Prep: Fulfills CSU/UC lab science req.

Gain the knowledge and skills to understand cause and management of environmental issues and interactions. Learn basic laboratory and field techniques including specimen sampling and processing, site monitoring, documentation, inspection and emergency response. Become familiar with the Geographic Information Systems (GIS). Incorporate academic rigor with practical application by exploring the links between environment, politics, and economics. Gain a broad awareness of environmental science and technological career opportunities through involvement with local environmental businesses, educational research institutes, and national labs. Students should be prepared to participate in outdoor field work requiring some physical activity and willingness to get dirty.

ROP ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

School Site: Dublin
Grade Level: 11-12
Length: 1 year/2 hours per day
Prerequisite: Successful completion of Geometry or Algebra II, plus at least one other laboratory science course
Graduation: Fulfills Physical Science and Life Science requirements
College Prep: Fulfills CSU/UC lab science req. This course is weighted.

In addition to the core requirements outlined above for Environmental Science, study and expectations are designed to provide students with an academic experience parallel to that of the college level, while promoting critical thinking skills involved in independent research studies. A significant amount of reading and research is required, over that required for non-AP students. All Advanced Placement students are expected to prepare for and take the Advanced Placement Environmental Science Exam. Advanced Placement Environmental Science students are encouraged to enrich their learning potential with job shadowing, internships, and career mentors.

ROP ALTERNATIVE RENEWABLE ENERGY

School Site: Dublin
Grade Level: 11-12
Length: 1 year/1 period
Graduation: Fulfills physical science credit
College prep: Fulfills CSU/UC college prep elective credit

Alternative/Renewable Energy will provide students with the opportunity to explore the uses, efficiencies, and future social, economic and environmental implications of developing energy resources other than those based on fossil fuel. Students will explore the controversies of our human impact on this planet with our fuel demands, as well as the possible solutions to our energy needs. Students will learn about biofuels, hydrogen fuel cells, geothermal heat transfer, wind energy, and solar as a source of both heat and electric power. Field trips and student-led projects will provide real world application of our studies. Students will gain a broad understanding of energy efficiencies and cost-benefit analysis of resource use as well as a sound practical application of general energy principles. Career exploration in the growing field of alternative energy will be emphasized.

ROP AUTO COLLISION REPAIR AND REFINISHING I

School Site: Livermore
Grade Level: 11-12
Length: 1 year/2 hours per day
Prerequisite: Must be 16 years old
Graduation: Fulfills elective req.

Examine the field of auto collision repair and refinishing. Learn to straighten and repair auto frames, rebuild and repaint auto bodies, straighten metal, weld (oxyacetylene, plasma gun and mig), replace panels, apply paint to new parts, and detail cars. Identify auto body damage and the relationship to cost estimation.

ROP AUTO COLLISION REPAIR AND REFINISHING II

School Site: Livermore
Grade Level: 11-12
Length: 1 year/2 hours per day
Prerequisite: Must be 16 years old
Auto Collision Repair I
Graduation: Fulfills elective req.

Study advanced topics and projects in auto collision repair, refinishing and color matching for industry. Acquire proficiencies in computerized estimating, shop management, team leadership, and business principles.

ROP AUTOMOTIVE SPECIALIST

School Site: Livermore
Grade Level: 11-12
Length: 1 year/2 hours per day
Prerequisite: Must be 16 years old
Small Engine/Motorcycle Tech. recommended
Graduation: Fulfills elective req.
College Prep: Credit by Exam—Las Positas College

This is an advanced course in automotive specialty. Learn shop practices used in dealerships and the theory behind the practices. Units include tire repair and changing, high-speed tire balancing, engine inspection, engine diagnosis and light repair, engine tune-up, charging and electrical systems. Demonstrate knowledge of brake and wheel bearing inspection measuring and repairing, headlight alignment, front and four-wheel alignment procedures and practices, electrical systems, and automotive computer component testing. Students may work on their own or family automobile with approval of instructor.

ROP COSMETOLOGY

School Site: Dublin Beauty College
Grade Level: Seniors only
Length: 1 ½ years/3.5 hours/day & 8 hours/Saturday
Graduation: Fulfills elective req.

Learn the beautification of the hair, skin and nails. Units include giving shampoos, scalp treatments, hair styling, permanent waving, manicuring, highlighting and hair coloring. Understand the history of cosmetology with an emphasis on concepts, current techniques and customer care. Instruction is designed to qualify students for the California Board of Barbering and Cosmetology licensing examination*.

Tri-Valley ROP offers this class through DBC, a private institution. An additional fee for registration and Professional kit (\$775 total plus tax) and uniform are required by the institution. If mandatory course hours are incomplete upon high school graduation, enrollment costs to complete the program will be the responsibility of the student. *NOTE: A student must be 17 years of age to take the California State examination and be licensed.

ROP DEVELOPMENTAL PSYCHOLOGY OF CHILDREN I

Location: Amador
Grades: 11-12
Length: 1 year/2 hours a day
College Credit: Credit By Exam at LPC—CSU transferable elective.
Fulfills a-g: "g" requirement—CSU/UC Elective Credit
Prerequisite: Proof of a current TB Test provided by the student to work in the community.
Internship: Community Classroom (non-paid internship) and Co-op (paid internship)

Internship is a required component of the program and students must provide their own transportation. Students may earn up to five additional credits per high school semester. This course provides a comprehensive introduction to child development, education, care, and guidance. Students will explore the major child development theorists and their contributions to child development. Classroom instruction is combined with internships at local elementary schools, preschools, or daycares. Students apply knowledge and skills learned to provide conscientious care to children and to facilitate learning activities at their community placements. Upon completion of the program students may apply for entry level child care positions. Cooperative vocational education opportunities are available.

ROP DEVELOPMENTAL PSYCHOLOGY OF CHILDREN II

Location:	Amador
Grades:	11-12
Length:	1 year/2 hours a day
College Credit:	Credit By Exam at LPC–CSU transferable elective.
Fulfills a-g:	“g” requirement-CSU/UC Elective Credit
Prerequisite:	Proof of a current TB Test provided by the student to work in the community.
Internship:	Community Classroom (non-paid internship) and Co-op (paid internship)

Internship is a required component of the program and students must provide their own transportation. Students may earn up to five additional credits per high school semester. An advanced class in child development and education, students will increase their knowledge, experience, and job skills for careers with children. Advanced projects further develop skills in observation of children and programs; communicating with children, staff, and parents; planning age-appropriate curriculum; and understanding the history, philosophies, and legal aspects of child care.

ROP MARKETING

School Site:	Dublin
Grade Level:	11-12
Length:	1 Year (variable credit per employment)
Prerequisite:	Must be 16 years old; additional hours of field work is required.
Graduation:	Fulfills elective req.
College Prep:	Credit by Exam—Las Positas College

Learn about the field of marketing and the vast career opportunities within this industry. Explore areas such as market research, product development, pricing, promotion, distribution, visual merchandising, presentation and project management through a variety of hands-on projects. Bring your ideas and creativity! Students receive training in constructing resumes, employment applications, cover letters and references, in addition to interviewing skills. Students will complete a career portfolio to prepare for entry into the job market with a competitive edge. Marketing concepts and leadership skills are reinforced through co-curricular participation in the Career and Technical Student Organization, DECA*. DECA is an integral component to this program and provides additional focus on developing written and oral presentation skills, as well as leadership and social and professional skills that will build self-confidence for college and career success.

*DECA, www.deca.org, prepares emerging leaders and entrepreneurs in marketing, finance, hospitality and management. DECA offers the opportunity for students to participate in competitive events throughout the year, in a variety of locations at local, state and international levels. Students have the opportunity to receive recognition, awards and scholarships. DECA is endorsed by the United States Department of Education and the California Department of Education.

** Students who are employed in a related field in which the course curriculum is directly associated to the students “on-the-job” experience are eligible to receive variable credits based on the number of hours worked. Students earn 1 credit for every 18 hours they work, up to 10 credits per semester. Students are encouraged to work 10-15 hours per week at teacher approved sites in the Tri-Valley area with their current job, or employment leads and guidance provided. Note: students must provide their own transportation.

ROP SPORTS AND ENTERTAINMENT MARKETING

School Site:	Amador
Grade Level:	11-12
Length:	1 Year (variable credit per employment)
Prerequisite:	Must be 16 years old; additional hours of field work is required.
Graduation:	Fulfills elective req.
College Prep:	Credit by Exam—Las Positas College

Learn what it takes to have a career in the field of sports and entertainment. Through focus instruction on the concepts and strategies of the sports and entertainment world students discover the elements of professional, college and amateur sports to their related sports products. Students will plan and utilize market research; develop promotion and marketing materials for sports and entertainment events; and improve leadership skills through co-curricular participation in the Career and Technical Student Organization, DECA*. DECA is an integral component to this program and provides additional focus on developing written and oral presentation skills, as well as leadership and social and professional skills that will build self-confidence for college and career success. Students have the opportunity for internships with professional sports and entertainment organizations.

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scholarships. DECA is endorsed by the United States Department of Education and the California Department of Education.

** Students who are employed in a related field in which the course curriculum is directly associated to the students “on-the-job” experience are eligible to receive variable credits based on the number of hours worked. Students earn 1 credit for every 18 hours they work, up to 10 credits per semester. Students are encouraged to work 10-15 hours per week at teacher approved sites in the Tri-Valley area with their current job, or employment leads and guidance provided. Note: students must provide their own transportation

ROP ECONOMICS OF BUSINESS OWNERSHIP

School Site: Dublin
Grade Level: 11-12
Length: 1 Year (variable credit per employment)
Prerequisite: Must be 16 years old; additional hours of field work required. Marketing recommended.
Graduation: Fulfills elective req.
College Prep: Fulfills CSU/UC elective req.
Credit by Exam—Las Positas College

Learn the process of starting and managing a business. Students with an entrepreneurial interest learn skills related to organization, effective decision making, and goal setting. Students develop comprehensive business plans including research & development of ideas, product planning, finance and marketing. Students research how marketing, management, ethics and communication play an important role in business success. Students gain practical experience by managing a student-run business and receive training in constructing resumes, employment applications, cover letters and references and interviewing skills. Students complete a career portfolio to prepare for entry into the job market with a competitive edge. Business concepts and leadership skills are reinforced through co-curricular participation in the Career and Technical Student Organization, DECA*. DECA is an integral component to this program and provides additional focus on developing written and oral presentation skills, as well as leadership and social and professional skills that will build self-confidence for college and career success.

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** Students who are employed in a related field in which the course curriculum is directly associated to the students “on-the-job” experience are eligible to receive variable credits based on the number of hours worked. Students earn 1 credit for every 18 hours they work, up to 10 credits per semester. Students are encouraged to work 10-15 hours per week at teacher approved sites in the Tri-Valley area with their current job. Note: students must provide their own transportation.

ROP ANIMATION & MOTION GRAPHICS

School Site: Dublin
Grade Level: 11-12
Length: 1 Year/2 hours per day
Prerequisite: None
Graduation: Fulfills Applied Arts requirement

Explore the art and science of visual motion with the 11 principles of animation. Students follow the professional animation project pipeline method moving from organizing their concepts in storyboards to refining their ideas through animatics to final polished animations. Design projects for such media as the Internet, DVD, TV, film, iPod, Cell Phones and other mobile devices. Study the use of animation in other fields such as scientific molecular models and mechanical simulations. (Senior priority).

ROP VISUAL COMMUNICATIONS (Print Graphics)

School Site: Dublin
Grade Level: 11-12
Length: 1 Year/2 hours per day
Prerequisite: None
Graduation: Fulfills Fine Arts req.
College Prep: Fulfills CSU/UC “F” req. for VPA- Credit by Exam—Las Positas College

Visual Communications (Print Graphics) offers both a theoretical and applied academic foundation to graphic art and traditional art. This comprehensive program emphasizes the fundamentals of the elements of art and design. The ability to

plan and create original works of art will be developed through research, analysis, and critique. Students will express their original creativity visually and develop and showcase their ability to communicate ideas through visual arts communications. Students will have the opportunity to design and produce projects for clients using computer graphic design software. A portfolio will be generated that can be used to demonstrate their abilities for college entrance or employment in the visual arts field.

ROP VIDEO GAME ART AND DESIGN

School Site: Dublin
Grade Level: 11-12
Prerequisite: None
Length: 1 year
Graduation: Fulfills applied arts requirement

Students get hands-on experience designing, drawing, animating and programming their own video games. Students will explore the creative aspects of game design, its history and place in our society. Students will learn the foundation of character development, environmental design, plot building, and game play through 2D games. Drawing, movement, sound and programming are covered in the process of creating simple games both individually and as teams. Second semester introduces more advanced concepts including artificial intelligence, multi-user game design, game engines and 3D game design. Students will also develop a portfolio of their work for internships or college admissions. This course will be taught as a 7th period class.

ROP COMPUTER INTEGRATED MANUFACTURING (CIM)

School Site: Dublin
Grade Level: 11-12
Length: 1 year
Prerequisite: Completion of POE or IED
Graduation: Fulfills elective requirement
College Prep: Fulfills CSU/UC elective credit

How are things made? What processes go into creating products? Is the process for making a water bottle the same as it is for a musical instrument? How do assembly lines work? How has automation changed the face of manufacturing? While students discover the answers to these questions, they're learning about the history of manufacturing, robotics and automation, manufacturing processes, computer modeling, manufacturing equipment, and flexible manufacturing systems.

ROP CIVIL ENGINEERING AND ARCHITECTURE

School Site: Livermore
Grade Level: 11-12
Length: 1 year
Prerequisite: Completion of POE or IED
Graduation: Fulfills elective requirement
College Prep: Fulfills CSU/UC elective credit

Students learn about various aspects of civil engineering and architecture and apply their knowledge to the design and development of residential and commercial properties and structures. In addition, students use 3D design software to design and document solutions for major course projects. Students communicate and present solutions to their peers and members of a professional community of engineers and architects. This course is a specialization-level course designed to follow the Project Lead the Way Engineering foundation courses.