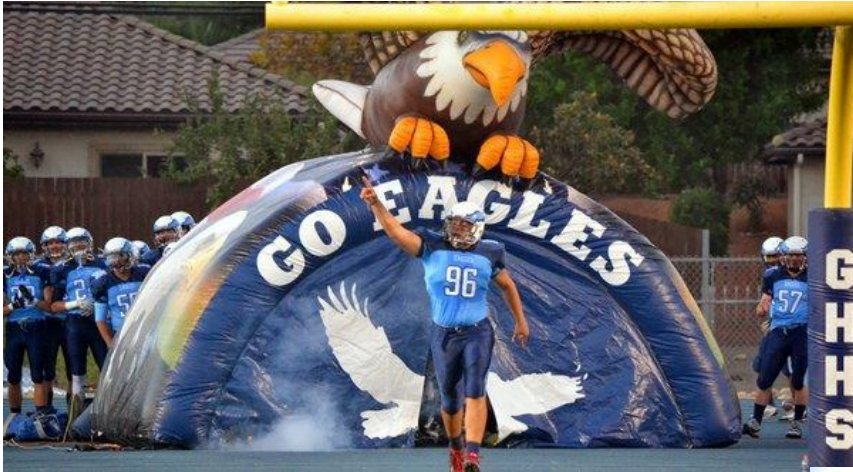


GRANITE HILLS HIGH SCHOOL



1719 East Madison Ave.
El Cajon, CA. 92019
(619)593-5500
granite.guhsd.net

COURSE CATALOG 2018-2019



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Class Change Policy

Once school begins, changes will only be made for the following reasons.

- The student has passed the class with a “C” or better
- The student did not meet the requirements for enrollment in the class
- The student needs different courses to meet graduation requirements
- The student has duplicate periods (i.e two English courses)
- The student is missing a course or there is a gap in their schedule

Teacher Change – Teacher change requests cannot be accommodated

Level Change - Students may request to change a class level with parent permission. Teachers may also recommend a placement/level change.

Elective Class Change – Students can request an elective change before the end of the third week of school. Elective changes are based on availability.



Mike Fowler.....Principal
 Don Resultan.....Assistant Principal
 Dan Santos.....Assistant Principal
 Dale Sheehan.....Assistant Principal
 Trudy Sandoval.....Facilities Manager
 James Davis.....Athletic Director

Alma Mater

Nestled in the Granite Hills
 Fly our colors White and blue
 High above the mountain crest
 We soar as eagles proud and true
 Ri—sing high with pride and honor
 To our victory we will soar
 Granite hills our alma mater
 Eagles now and ever more.

Mascot: Eagle
 School Colors: Navy, Columbia blue, & White

COUNSELING TEAM

COUNSELING ASSIGNMENTS

Students at Granite Hills High School are assigned a counselor based on their last name or a special program. Counselors can be reached via phone or email, and are available to assist students and parents with academic planning, including graduation requirements, college planning, and facilitating parent/teacher communication. Counseling assignments are subject to change.

Counselor	Alpha	Specialties	Extension	Email
Erin Burke	A - C	NCAA	619-593-5546	eburke@guhsd.net
Lisa Statley	D - Hi	EL, AVID, IB Diploma	619-593-5528	lstatley@guhsd.net
Guadalupe Hernandez	Ho - Moo	CEIS	619-593-5543	gbernandez@guhsd.net
Susan Lusk	Mop - Se	Military	619-593-5548	slusk@guhsd.net
Sarah DerOvanesian	Sh - Z	504's, Learning Center	619-593-5539	sderovanesian@guhsd.net
Summer Lambert	A - Z	Social Worker	619-593-5575	slambert@guhsd.net

Counseling Office Support Staff

Stacy Barry	Registrar, Records, Transcripts	619-593-5530	sbarry@guhsd.net
Glenn Recasner	Academic Advisor A – K	619-593-5546	grecasner@guhsd.net
Marilyn Morse	Academic Advisor L – Z	619-593-5544	mmorse@guhsd.net
Kathy Dizney	Guidance Secretary	619-5935540	kdizney@guhsd.net

ATHLETICS

Fall

Cheer
 Cross Country (Men/Women)
 Field Hockey
 Football
 Golf (Women)
 Surf (Men/Women)
 Tennis (Women)
 Volleyball (Women)
 Water Polo (Men)

Winter

Basketball (Men/Women)
 Soccer (Men/Women)
 Wrestling
 Water Polo (Women)

Spring

Baseball
 Golf (Men/Women)
 Lacrosse (Men/Women)
 Softball (Women)
 Swim and Dive (Men/Women)
 Tennis (Men)
 Track (Men/Women)
 Volleyball (Men)

GRANITE HILLS HIGH SCHOOL GRADUATION REQUIREMENTS

In order to graduate from Granite Hills High School, the following requirements must be met:

- 220 credits in specified categories noted below (1 semester = 5 credits)
- California High School Exit Exam: Mathematics & English Language Arts
- Career Plan (met with 9th -12th grade Career Cruising/PSP Projects)
- Technology (met in second semester of 9th grade Geography)

Subject Area	GUHSD Requirements	NCAA Division 1 Requirements	CSU Entrance	UC Entrance
A~ Social Studies 40 credits	<ul style="list-style-type: none"> • Geography • World History • US History • Government & Economics 	2 years	2 years	2 years
B ~ English 40 credits	<ul style="list-style-type: none"> • English 9 • English 10 • English 11 • English 12 	4 years	4 years	4 years
C ~ Math 40 credits	<ul style="list-style-type: none"> • Algebra IC- 2 (required) 	3 years (Algebra IC and Higher)	3 years (thru Algebra IIC)	3 years (4 recommended – must take math in senior year)
D ~ Science 20 credits	<ul style="list-style-type: none"> • (1) life science • (1) physical science (1 year must include a lab) 	2 years lab science (natural or physical)	2 years lab science	2 years lab science (3 recommended)
E ~ World Language 20 credits	<ul style="list-style-type: none"> • World Language or Visual Performing Art 	N/A	2 years <ul style="list-style-type: none"> • Same language (or equivalent of year 2 or higher) 	2 years (3 recommended)
F ~ Arts 10 credits	<ul style="list-style-type: none"> • Visual /Performing Art or World Language 	N/A	Visual or Performing Arts 1 year/1 course	Visual or Performing Arts 1 year/1 course
G ~ Electives 60 credits		4 years (any of above core areas, World Language or Religious Studies) +1 year additional English, math, or science course	1 Year, from areas Above or other approved electives	1 year, from areas above or other approved electives
Physical Education 20 credits	<ul style="list-style-type: none"> • 9th grade PE • If a student participates in a sport their sophomore or junior the student will have the opportunity to complete the 10 credits in any course area. 	N/A	N/A	N/A
Total Credits	220 Credits	16 Core Course Units	15 Core Course Units	15 Core Course Units

HONORS GRADUATION

Graduating with Honors is a prestigious distinction at Granite Hills High School. Students must maintain a 3.5 Academic GPA between 9th – 12th grades.

ADVANCED PLACEMENT (AP)

The **Advanced Placement (AP)** is a program in the United States and Canada created by the College Board offering college-level curriculum and examinations to high school students. American colleges often grant placement and course credit to students who obtain high scores above a certain number on the examinations. The AP curriculum for various subjects is created for the College Board by a panel of experts and college-level educators in each subject. For a high school course to have the AP designation, the course must be audited by the College Board to ascertain it satisfies the AP curriculum. Granite Hills High School currently offers 12 AP courses.

INTERNATIONAL BACCALAUREATE (IB)

The International Baccalaureate Diploma Program is designed as an academically challenging and balanced program of education with final examinations that prepare students for success at the university level and beyond. The program is taught over two years respect from the world's leading universities. IB Diploma students study six academic areas over two years in which they are awarded points on a scale of 1 to 7. Students complete assessment tasks in the classroom, which are scored by their teachers, and then moderated by IB. Additionally, students take written examinations at the end of the program, which are marked by external examiners. The IB Diploma is awarded to students who gain at least 24 points, subject to certain minimum levels of performance across the whole program. The highest total that a Diploma Program student can be awarded is 45 points. Granite Hills High School currently offers 17 IB courses.

COLLEGE & CAREER CENTER

The GHHS Eagle College & Career Center is an area where students can apply for scholarships, visit with college/university representatives, research colleges and careers, and find job leads. Computers with internet connections are available to students for college and career explorations, and scholarship searches.

ASVAB TESTING

The ASVAB (Armed Services Vocational Aptitude Battery) is a skills assessment test used by all branches of the military to place new enlistees in job training programs. Given the highly technical nature of the military today, academic knowledge and practical experience are measured to ensure high probability of success in the courses assigned. The ASVAB is also a very useful tool for the non-military bound student as it provides detailed information to the student regarding interests and aptitudes that can help determine career fields or occupations that are potentially satisfying. Tests are offered to all 11th/12th graders in October.

SCHOLARSHIPS AND FINANCIAL AID

Nearly all education beyond high school requires direct payment from students and their families. Tuition and fees are basic charges at almost all schools. If you plan to live away from home, you'll pay for room and board, books and other classroom materials.

Forms of Financial Aid:

- Scholarships: Awarded as a gift on the basis of superior ability in academic work, athletics or other activities. Scholarships do not have to be repaid.
 - Grants: Awarded primarily on the basis of financial need which is based on parent and student income and assets. Like a scholarship, grants do not need to be repaid.
 - Loans: Educational loans are guaranteed by the government and are generally made to the student. Repayment of the loan is the student's responsibility. Interest and payment for student loans does not generally start until six months after leaving school or graduating. Loans to parents are also available.
-

CALIFORNIA STATE UNIVERSITY SYSTEM

The CSU System consists of 23 campuses throughout California. Bachelors and Master's Degree programs are offered in a wide variety of majors. The campuses vary from small (approximately 5000 students) to very large (35,000 students) and from rural to urban. All CSU campuses require a minimum GPA of 2.0 for admission.

REQUIRED ADMISSIONS TESTS: Either the SAT Reasoning Test or ACT must be taken no later than December of senior year. Students should have scores sent directly to all schools they are considering.

COST: Tuition and Fees for the 2017-2018 school year were approximately \$7,100; the cost of books and supplies average about \$1,300 per year, and room and board in on-campus housing is approximately \$12,322.

APPLICATION PROCESS: Applications are available on-line at www.CSUmentor.edu Applications must be submitted between October 1st – November 30th. Application fees for the 2017-2018 application were \$55 per campus.

UNIVERSITY OF CALIFORNIA

The UC system currently has 9 campuses that will accept freshman applications. Students should contact their counselors for details regarding Eligibility in the Local Context (ELC). Otherwise, UC's require a minimum GPA of 3.0 based on academic (A – G) coursework completed during grades 10-12.

REQUIRED ADMISSIONS TESTS: Either the SAT Reasoning Test or ACT w/Writing is required for admission. Some schools or programs may also require SAT Subject Exams. All tests must be taken no later than December of senior year. Students should have scores sent directly to all schools they are considering.

COST: Tuition and fees for the 2017-2018 school year are estimated at \$13,900; cost of books and supplies average about \$1,200 per year and the cost of room and board in on-campus housing is approximately \$15,400.

APPLICATION PROCESS: Applications are available on-line at www.universityofcalifornia.edu/apply . Applications must be submitted between November 1st – November 30th. Fees for the 2017-2018 application were \$70 per campus. The UC application requires a personal statement by the student.

PRIVATE COLLEGES AND UNIVERSITIES & OUT-OF-STATE PUBLIC UNIVERSITIES

There are more than 1600 accredited colleges and universities in the United States offering hundreds of different majors. Students interested in attending a private/out-of-state college or university will need to investigate specific application and eligibility requirements – including deadlines, test score requirements, fees, and supplementary documentation. Many schools use the Common Application www.commonapp.org .

MILITARY ACADEMIES

The US Naval Academy, West Point, Air Force Academy, Coast Guard Academy and Maritime Academy are prestigious institutions noted for small classes and close contact with professors. Their common mission is to prepare officers to serve in the highly technical armed services of today and the future. Academy nominations are required to be considered for appointment and may be obtained from the President, the Vice President, your US Senator, or House Representative. In some cases the applicant may be found to not have the academic background necessary for collegiate success and may be offered an appointment to a preparatory school, such as the Naval Academy Preparatory School. (CSU Maritime Academy is another excellent alternative.)

COMMUNITY COLLEGES

There are 102 Community Colleges in the State of California. Any resident in the state is eligible for admission to any community college if he/she is a high school graduate or is 18 years of age or older. High school students can also enroll concurrently in community college classes with approval at no cost per unit.

Community Colleges have the following purposes:

- To offer coursework comparable to the freshman and sophomore years at a four year college. Students may transfer from community college to a four year college after two years.
- To provide occupational coursework that prepares students for more than 200 different occupations. Many pre-apprentice courses are offered.
- To offer courses that will allow students to make up high school deficiencies.
- To offer studies that are personally enriching.

COSTS: Enrollment fees for the 2017-2018 school year were \$46 per unit, per semester. A full time college student is typically enrolled in 12-16 units. The cost of books is approximately \$750 per semester.

TESTING: Students may apply for admission on-line through specific college websites, or via www.cccapply.com . Placement testing is required in Math & English, and may be completed in spring of senior year.

VOCATIONAL, TECHNICAL AND MILITARY SCHOOLS

There are literally thousands of vocational and technical schools that teach a variety of skills leading to a variety of careers. Admission requirements for these schools vary, and tuition ranges from \$500 to \$10,000, depending on the type and length of the program.

GRANITE HILLS HIGH SCHOOL GRADING SCALE

To determine the Grade Point Average (G.P.A): Add the point value of each grade then divide by the total number of classes/grades.

Grading Points for Regular Classes

A = 4 points

B = 3 points

C = 2 points

D = 1 points

F = 0 points

Grading Points for AP, IB, & Honors Classes

A = 5 points

B = 4 points

C = 3 points

D = 1 points

F = 0 Points

COURSE SELECTION PROCESS

Choose your classes wisely! ☺

Once school begins, students will only be allowed to change a class for the reasons indicated on page 2.

STEPS FOR STUDENTS

1. Read the course descriptions carefully before making any selections. The school's master schedule and teacher assignments are made on the basis of student requests.
2. Required courses for the GHHS diploma are listed on page 5. Study them carefully.
3. Prerequisites and grade levels are listed for each course. Please make sure that you meet specific guidelines.
4. Review your course choices with your parents. Student and parent signatures are **REQUIRED** on the course selection form.
5. Develop a four-year plan to insure that you are meeting graduation requirements and planning for your post high school goals. Samples are provided in the back of this catalog.

NOTES TO PARENTS REGARDING CORE CURRICULUM AND STUDENT SUCCESS

Granite Hills High School and the Grossmont Union High School District have a core curriculum that all students must complete to graduate (pg. 5). As competition for colleges and jobs is increasing rapidly, support services are available to all students to assist in their success at GHHS. We urge our parents to:

1. Stress the importance of education and a marketable skill.
2. Stress the importance of daily attendance at school.
3. Encourage your student to read.
4. Discuss each six week progress report and each semester report card with your student.
5. Assist your student in selecting appropriate courses for next year's schedule.
6. Monitor your student's progress daily on Infinite Campus.

****Granite Hills High School reserves the right to change course offerings from those listed here. For that reason, please make certain that you list alternate selections on the course selection form. ****

INFINITE CAMPUS STUDENT/ PARENT PORTAL

Students and parents are encouraged to check progress daily on this internet-based website. You can monitor grades and assignments from home or any location with internet access. Students and parents can also download the Infinite Campus app on any smart phone to receive daily alerts with this information.

To access your Infinite Campus please go to granite.guhsd.net and click on the Infinite Campus Icon. Students logging into Infinite Campus for the first time will use their ID# as the username and the first initial of their first name, the first initial of their last name and date of birth in two digit form. For Example Joe Smith with DOB: 06/20/1977 password would be js062077. Parents who need assistance logging into Infinite Campus can contact Granite Hills at 619-593-5500 or, the ETS help desk at 619-956-4357 for assistance.

Granite Hills High School
2017 – 2018 University of California Approved A – G Courses

A. History Social Science (2 years required)

Global Studies/Geography 1C, 2C	US History & Geog. 1C, 2C	American Govt. 1C
<u>Global Studies/Geography 1H, 2H</u>	<u>AP US History</u>	<u>AP American Govt. 1(H)</u>
World Hist Cult & Geog 1C, 2C	Intro to Criminal Justice	<u>History of the Americas IB HL2</u>
<u>AP World History</u>		<u>History IB HL1</u>

B. English (4 years required)

<u>AP Eng Lang & Comp</u>	<u>AP Eng Lit & Comp</u>	
Writing Fundamentals 1/2	ELD Adv. 1 / 2	CSU Expository Reading and Writing
<u>English 1, 2 (H)</u>	English 1C, 2C	Literature of Fantasy 1C
<u>English 3, 4 (H)</u>	English 3C, 4C	English for Business 1, 2 C
English 7C, 8C	English 5C, 6C	<u>English IB HL2</u>
<u>English IB HL1</u>	English 7c	
Science Fiction 1C	Multicultural Lit. 1C, 2C	

C. Mathematics (3 years required, 4 years recommended)

Integrated Math 1, 2	<u>Alg II 1, 2 (H)</u>	<u>AP Statistics</u>
<u>Integrated Math 1, 2 (H)</u>	Pre-Calc Math 1C 1,2	<u>Math Studies IB SL</u>
Geometry 1C 1, 2	<u>Pre-Calc 1, 2 (H)</u>	<u>Math 1 IB SL</u>
<u>Geometry 1, 2 (H)</u>	<u>AP Calc AB</u>	
Int. Alg 1C, 2C	<u>AP Calc BC</u>	
Alg II C 1, 2	CP Statistics	

D. Laboratory Science (2 years required, 3 years recommended)

Space and Earth Science 1C, 2C	<u>Con. Physics 1C</u>	<u>Biology 3.4 IB HL</u>
Biology 1C, 2C	Oceanography 1C, 2C	<u>Physics 1 IB HL 1</u>
<u>Biology 1, 2 (H)</u>	Physics 1C, 2C	<u>Physics 1 IB HL 2</u>
Chemistry 1C, 2C	<u>Environmental Systems IB SL</u>	
<u>Chemistry 1, 2 (H)</u>	<u>Biology 1,2 IB HL</u>	

E. World Language (2 years required, 3 years recommended)

French 1C, 2C	Spanish 1C, 2C	<u>Spanish IB SL</u>
French 3C, 4C	Spanish 3C, 4C	<u>Spanish IB HL1</u>
<u>French IB SL</u>	<u>Spanish 5, 6 (H)</u>	<u>Spanish IB HL2</u>
<u>French IB HL1</u>	<u>AP Spanish 1/2</u>	
<u>French IB HL2</u>	Spanish for Spanish Spkrs 3C, 4C	

F. Visual and Performing Arts (1 year required)

3D Design 1, 2	Art 1, 2	Beginning Guitar
3D Design 3, 4	Art 3, 4	Beginning Piano 1, 2
3D Design 5, 6	Art 5, 6	Guitar Ensemble 1-2
Digital Arts 1, 2	Beg Choir	Continuing Piano 3/4
Technical Theatre 1, 2	Ensemble	Concert Band
Technical Theatre 3, 4	<u>Madrigals</u>	Symphony Band
Theatre 1, 2	Photography 1, 2	Television, Film and Digital Media (CTE)
Theatre 3, 4	<u>Film IB HL 1</u>	<u>AP Studio Art Drawing 1</u>
Theatre 5, 6	<u>Film IB HL 2</u>	

G. College Preparatory Electives (1 year required)

Adv. Pub& Journ 1C, 2C	Dev Psy Children (CTE)	Psychology 1C, 2C
AVID Sr. Seminar 1C, 2C	Foods and Nutrition	<u>AP Psychology</u>
Economics 1C	Sociology 1C, 2C	<u>Theory of Knowledge IB</u>
<u>Economics 1H</u>	Sports Medicine 3, 4	Student Government
Teach & Learn 1,2	Eng for Academics 1	<u>AP Gov and Politics (US)</u>
Teach & Learn 3,4	Multimedia Prod. (CTE)	

*****Underlined courses will receive weighted grade points (A=5, B=4, C=3) *****

***** GRANITE HILLS HIGH SCHOOL COURSE DESCRIPTIONS*****

****A – HISTORY/SOCIAL SCIENCE****

A minimum of four years (40 credits) of Social Science is required for high school graduation. All students must take Geography, World History, US History, Government (1 semester) and Economics (one semester).

S870 Global Studies/Geography 1C

This two-semester course combines literature, geography, and culture and focuses on cultures from around the world. The course curriculum meets the geography content standards.

This course meets the University of California History/Social Science "a" or Elective "g" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 9

CO-REQUISITES: If you take this course, you must also take S871 - Global Studies/Geography 2C second semester

S872 Global Studies/Geography 1H

This two semester, 9th grade course is also a two-period course that may or may not be team-taught. This course is designed for the academically talented and highly motivated student who wants a more in-depth study of global literature and perspectives. This course includes expanded reading requirements to enhance enrichment opportunities and language arts and social science growth. ***This course meets the University of California Social Science "a" requirement.***

CREDIT: 5 *TYPE:* Honors *GRADE:* 9

CO-REQUISITES: If you take this course, you must also take S873 - Geography 2H second semester

S243 World History, Culture, and Geography 1C

This two-semester course is designed to provide an introduction to world history and physical and cultural geography. Students taking this course may choose to take English 3C/4C or 3H/4H. This course is designed to meet the needs of the student who expects to pursue a post-secondary education in a four-year college setting. This course satisfies district and state graduation requirements for two semesters of instruction in world history, culture, and geography.

This course meets the University of California History/Social Science "a" or Elective "g" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 10

CO-REQUISITES: If you take this course, you must also take S244 – World History, Culture, and Geography 2C second semester

S262 World History Advanced Placement 1

This two-semester course is designed to provide the capable student with the opportunity to take part in a college level course while attending high school. The curriculum is consistent with the Advanced Placement

Course Description published by the College Board. AP test in May for a fee.

This course meets the University of California History/Social Science "a" or Elective "g" requirements.

COURSE NOTE: For summer assignments see the Granite Hills web page at granite.guhsd.net

CREDIT: 5 *TYPE:* Advanced Placement *GRADE:* 10

CO-REQUISITES: If you take this course, you must also take S263 – World History Advanced Placement 2 second semester

S315 Student Government

This one-semester course provides students the opportunity to learn leadership principles and techniques useful in carrying out their duties as officers in their school's student government organization. Through the development of activities that promote school loyalty and spirit, student leaders learn how governmental policies evolve. Techniques of democratic problem solving are learned through participation. Students must meet the requirements set forth by their school before service in student government. Students may be removed if they fail to maintain these standards. The course may be repeated for credit up to eight (8) times.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 10-12

PRE-REQUISITE: PREREQUISITE: Teacher recommendation, application, and instructor interview.

CO-REQUISITES: If you take this course, you must also take S315 - Student Government second semester

S073 U.S. History and Geography 1C

This two-semester course is designed for the 11th grade student in the college preparatory program. This course covers the people, times, events, and contributions found in American traditions that have enabled our country to achieve greatness. The students develop a knowledge and understanding of the principles and forces that have shaped the history of their country's problems and achievements. The students are encouraged to develop critical thinking skills such as hypothesis formation, data gathering, and analytical questioning. It is the intent to follow, as closely as possible, the Master Curriculum Standards. Students are expected to do outside reading in addition to textbook assignments and be able to pursue in-depth research.

This course meets the University of California History/Social Science "a" or Elective "g" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 11

CO-REQUISITES: If you take this course, you must also take S074 - U.S. History and Geography 2C second semester

S086 AP United States History 1

This two-semester course is designed to provide the capable student with the opportunity to take part in a college level course while attending high school. The curriculum is consistent with the Advanced Placement course description published by the College Board.

This course meets the University of California History/Social Science "a" or Elective "g" requirement. AP test in May for a fee.

COURSE NOTE: For summer assignments see the Granite Hills web page at granite.guhsd.net

CREDIT: 5 *TYPE:* Advanced Placement *GRADE:* 11

CO-REQUISITES: If you take this course, you must also take S087 – AP United States History 2 second semester

S280 American Studies/History 1C

This is a multi-period combination of U.S. History and American Literature. The material covered in these classes is essentially the material covered in U.S. History and English 5-6 courses. ***This course meets the University of California "a" social science and "g" elective requirements.***

CREDIT: 5 *TYPE:* College Prep *GRADE:* 11

CO-REQUISITES: If you take this course, you must also take S281 – American Studies/History 2C second semester

S096 History 1 International Baccalaureate HL1

This course is designed as an honors level course under the guidelines and rubric of the International Baccalaureate curriculum. It is a two-semester course meant for students enrolled in the IB diploma and certificate programs. The course meets the California State requirements for United States history at the honors level, but includes Canada, Central and South American history from the colonial period to the

present. Political, economic, social, religious and cultural themes will be examined via primary source documents, lectures, class discussions, several required texts and a variety of articles from educational journal. This course will examine the invasion process, and the societies that resulted from the collision of two old worlds and their evolution to present day interactions. Students will acquire and understand a historical knowledge of the Americas, develop an appreciation and understanding of history as a discipline and will grow to appreciate people living in diverse places and different times.

This course meets the University of California History/Social Science “a” or Elective “g” requirement.

COURSE NOTE: History of the Americas is a two-year sequence that replaces state mandated U.S. History 1/2, Economics 1, and Government 1. Failure to complete this two-year sequence may require students to take additional social science courses for graduation or college admission.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 11

CO-REQUISITES: If you take this course, you must also take S097 - History 2 International Baccalaureate HL1 second semester

S140 Psychology 1C

This course will enable students to achieve a full understanding of the working of the brain and nervous systems along with the interesting subjects of cerebral laterality, intelligence, memory, personality development, human behavior, sleep, dreams, stress, and various psychological disorders. It will emphasize and use the techniques of human observation, surveys, research papers, experimentation, and lively group discussions. Careers in psychology, psychiatry, and psychoanalysis will also be emphasized. Semester two Sociology 1C provides an introduction to the nature and scope of sociology, including a systematic treatment of group life, social institutions, social processes, social change, and social control. Students will study the development and use of concepts that are applied to sociological analysis. The student will develop critical thinking and communicative skills such as hypothesis formation, data gathering, and analytical questioning. ***Both courses meet the University of California Elective “g” requirement.***

CREDIT: 5 *TYPE:* College Prep *GRADE:* 11-12

CO-REQUISITES: If you take this course, you must also take S160 - Sociology 1C second semester

S160 Sociology 1C

This one semester course is designed for the 11th - 12th grade student in the college preparatory program. This course will provide an introduction to the nature and scope of sociology, including a systematic treatment of group life, social institutions, social processes, social change, and social control. Students will study the development and use of concepts applied to sociological analysis, and will develop critical thinking and communicative skills. Special research projects and outside reading in addition to the textbook assignments will be required.

This course meets the University of California Elective “g” requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 11-12

CO-REQUISITES: If you take this course, you must also take S140 - Psychology 1C semester one

S860 Psychology 1 Advanced Placement

This two-semester course is designed to provide the capable student with the opportunity to take part in a college-level course while attending high school. The course introduces students to the systematic and scientific study of the behavior and mental processes of humans and other animals. Students study the major sub-areas of psychology, with an emphasis in neurological biology (biology of the brain) and the physiology of the nervous system. Students will also conduct research and experimentation on various topics utilizing mathematical analysis to evaluate their results. Prerequisite: Completion of advanced coursework.

This course meets the University of California Elective “g” requirement.

CREDIT: 5 *TYPE:* Advanced Placement *GRADE:* 11-12

CO-REQUISITES: If you take this course, you must also take S861 - Psychology 2 Advanced Placement second semester

S098 Theory of Knowledge 1 International Baccalaureate (TOK)

This honors level course is the capstone of the International Baccalaureate program and is an interdisciplinary requirement intended to stimulate critical reflection on the knowledge and experience gained inside and outside the classroom. This course challenges students to question the bases of knowledge, to be aware of subjective and ideology biases, and to develop the ability to analyze evidence that is expressed in rational argument. It is a key element in encouraging them to appreciate other cultural perspectives.

This course meets the University of California Elective "g" requirement.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 12

CO-REQUISITES: If you take this course, you must also take S099 - Theory of Knowledge 2 International Baccalaureate (TOK) second semester

S180 American Government 1C

This one-semester college preparatory course provides students with the opportunity to meet the state and GUHSD requirement for American Government. This course examines the origin, development, structure, and operations of all levels of government in the United States. Included in this course will be an intensive examination of the primary institutions of government and a critical analysis of changing aspects of traditional relationships among the institutions of executive, legislative, and judicial at all levels. Emphasis will be placed on critical thinking and communicative skills such as hypothesis formation, data gathering, and analytical questioning in dealing with the subject matter of the course.

This course meets the University of California History/Social Science "a" or Elective "g" elective requirements.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 12

CO-REQUISITES: If you take this course, you must also take S220 - Economics 1C second semester

S185 American Government 1H

This semester course is designed for students who are academically talented. It combines a study of American political, economic, and social institutions with a comparison of democratic and totalitarian institutions found in today's world. This course concentrates on American national, state, and local governments and analyzes other democratic and totalitarian political systems. A depth of concentration in one of the various areas of the course is expected, as is outside reading and in-depth research.

This course meets the University of California History/Social Science "a" social science or Elective "g" requirements.

CREDIT: 5 *TYPE:* Honors *GRADE:* 12

CO-REQUISITES: If you take this course, you must also take S215 – AP Economics Macro second semester

S187 AP Government and Politics (United States)

This course is an in-depth course of study involving the various institutions peculiar to the American political system and its history with an interpretation of specific governmental case studies. The focus will be on civil liberties and civil rights, policy processes, political parties and interest groups, various political beliefs, and the constitutional background of our government and political being. Students must be able to successfully complete daily work, unit tests, the above case studies and investigations, and research term papers leading to the Advanced Placement test. Writing on a daily basis will be stressed in order to prepare students for not only the essay sections of the AP test but for successful completion of future social science college work. ***This course meets the University of California History/Social Science "a" or Elective "g" requirements.*** Second semester students will be enrolled in Economics 1H to fulfill the state requirement for Economics.

CREDIT: 5 *TYPE:* Advanced Placement *GRADE:* 12 *CO-REQUISITES:* If you take this course, you must also take S221 - Economics 1H second semester

S192 History of the Americas 1 International Baccalaureate HL2

This course is offered as an honors level course under the guidelines and rubrics of the International Baccalaureate curriculum. It is a yearlong course meant for students enrolled in the IB certificate and diploma programs. This course meets California requirements for American Government but also includes the governments and politics of Russia, China, France, Great Britain, Mexico, Nigeria, and India. The content and themes focus on 20th Century history (as suggested in the IB Group 3/Higher Level History syllabus) as well as the government cases mandated by the AP Comparative Government exam.

This course meets the University of California History/Social Science "a" requirement.

COURSE NOTE: History of the Americas is a two-year sequence that replaces state mandated U.S. History 1/2, Government, and Economics. Failure to complete this two-year sequence may require students to take additional social science courses for graduation or college admission.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 12

*PRE-REQUISITE: S097 History 1 International Baccalaureate HL1

CO-REQUISITES: If you take this course, you must also take S193 - History of the Americas 2 International Baccalaureate HL2 second semester

S203 Introduction to Criminal Justice 1

This course includes history and philosophy underlying the administration of criminal justice in America. Constitutional underpinnings of the criminal justice system, concepts, types, and origins of the law, of typology and causative theory relating to crime and criminal behavior, or personal and corporate role expectations and ethics; the component parts of the justice system and their interrelationships and efforts toward professionalism; and various perspectives relating to punishment, rehabilitation, and education.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 12

CO-REQUISITES: If you take this course you must also take English for Business 1C/2C since Criminal Justice 1/2 is part of the 2 period blocked Administration of Justice Pathway.

If you take this course, you must also take S204 - Introduction to Criminal Justice 2 second semester

S215 AP Economics Macro

This course is an intense, comprehensive course of study to enrich the student's understanding of the operations and institutions of economic systems. This course will encompass the basic economic concepts, the nature and function of product markets, the factor markets, the efficiency, equity, and role of government, the measurement of economic performance, national income and price determination, economic growth, and international economics. This course is designed to stimulate thinking on economic issues and to develop analytical and writing skills necessary to successfully complete the advanced placement test for economics.

This course meets the University of California Elective "g" requirement.

CREDIT: 5 *TYPE:* Advanced Placement *GRADE:* 12

CO-REQUISITES: If you take this course, you must also take S185 - American Government 1H second semester

S220 Economics 1C

This semester course introduces the 12th grade student to the principles of economic analysis, economic institutions, and the issues related to public policy are examined. The student will be encouraged to develop critical thinking and communication skills through study. This course will include allocation of resources, distribution of income, money and banking, economics, as well as practical applications to consumer economics. The student will be expected to explore various conflicting theories of economic thought.

This course meets the University of California Elective "g" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 12

CO-REQUISITES: If you take this course, you must also take S180 - American Government 1C second semester

S221 Economics 1H

This one semester course is designed for the academically talented student in which the principles of economic analysis, economic institutions, and issues of public policy are examined. The student will be encouraged to develop critical thinking and communication skills through study. This course will include allocation of resources, distribution of income, money and banking, economics, as well as practical applications to consumer economics. In addition, students will be expected to explore various conflicting theories of economic thought, national and international issues, measurement concepts, and methods of analysis.

This course meets the University of California Elective “g” requirement. Second semester students will be enrolled in American Government IC to fulfill the state requirement for American Government.

CREDIT: 5 *TYPE:* Honors *GRADE:* 12

CO-REQUISITES: If you take this course, you must also take S187 – AP Government and Politics (United States) second semester

******B – ENGLISH******

A minimum of four years (40 credits) of English is required for high school graduation. The University of California and the California State University require that four years of University approved course be taken for admittance.

E014 English 1C

This course offers grammar, composition, library/study skills, and reading. Literature is emphasized for the college bound student. **This course meets the University of California English “b” or Elective “g” requirement.**

CREDIT: 5 *TYPE:* College Prep *GRADE:* 9

CO-REQUISITES: If you take this course, you must also take E015 - English 2C second semester

E016 English 1H

This enriched course enables 9th grade students who are selected on the basis of tests, grades, and teacher recommendation to study literature and composition in depth. **This course meets the University of California English “b” or Elective “g” requirement.**

CREDIT: 5 *TYPE:* Honors *GRADE:* 9

CO-REQUISITES: If you take this course, you must also take E017 - English 2H second semester

E024 English 3C

This course offers an increased application of communication skills, creative and expository writing as well as the study of world literature. **This course meets the University of California English “b” or Elective “g” requirement.**

CREDIT: 5 *TYPE:* College Prep *GRADE:* 10

CO-REQUISITES: If you take this course, you must also take E025 -English 4C second semester

E026 English 3H

This enriched course is designed to continue an in-depth study of literature and composition. For sophomore students selected on the basis of test scores, grades and teacher recommendation. **This course meets the University of California English “b” or Elective “g” requirement.**

COURSE NOTE: For summer assignments see the Granite Hills web page at granite.guhds.net

CREDIT: 5 *TYPE:* Honors *GRADE:* 10

CO-REQUISITES: If you take this course, you must also take E027 - English 4H second semester

E034 English 5C

This 11th grade course in the college preparatory program is designed to emphasize American values through a study of American literature including practice for variety and style composition.

This course meets the University of California English "b" or Elective "g" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 11

CO-REQUISITES: If you take this course, you must also take E035 - English 6C second semester

E078 English for Academics 1

This is an elective course for all 10th, 11th, and 12th grade students who are experiencing difficulties in English Language Arts classes. Primary emphasis will be placed on helping the student improve English writing skills and develop a broad range of cross-curricular, academic vocabulary. In addition, some class time will be used to teach specific study skills and to give individual help with any subject where the student may not be achieving at a satisfactory level. **This course does NOT meet the University of California A-G requirements and do NOT meet NCAA requirements.** These courses are coded E8 and are taken concurrently with the appropriate grade-level English course.

CREDIT: 5 *TYPE:* College Prep

E361 English 1 International Baccalaureate HL1

This course is the first year of a two-year sequence that will introduce students to university level work in English Language and Literature. Students are prepared for the IB exam that consists of a series of oral and written assessments that take place over both years in this unique course of study. Most universities offer 8 quarter or 6 semester units of credit for successful completion of the optional IB Literature exams. Students will learn to work independently on literary comparisons that are concerned with a personal response to literature. They will learn to express ideas with clarity, coherence, conciseness, precision, and fluency in both written and oral communication. Texts for this course are more global in nature and students will gain an understanding of written communication that is more internationally focused.

This course meets the University of California English "b" or Elective "g" requirement.

COURSE NOTE: International Baccalaureate English is a two-year sequence that replaces state mandated English in the Junior and Senior years.

For summer assignments see the Granite Hills web page at granite.guhsd.net

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 11

CO-REQUISITES: If you take this course, you must also take E362 - English 2 International Baccalaureate HL1 second semester

C065 English for Business 1C

This two-semester course emphasis is on writing various business communications. Grammar, punctuation, capitalization, abbreviations, figure expression, spelling, and vocabulary building are reviewed. Students will be expected to read non-fiction literature related to English for Business. Students will also be exposed to writing, speaking, and critical thinking skills through topics associated with criminal justice. Students taking the Administration of Justice Pathway are required to take the two-hour Criminal Justice block consisting of S203 Criminal Justice and C065 English for Business.

This course meets the University of California English "b" or Elective "g" requirement and fits within the Administration of Justice Career Pathway.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 12

CO-REQUISITES: If you take this course, you must also take C066 - English for Business 2C second semester

E042 English 7C

This two-semester college preparatory course is designed to lead to an understanding of our total heritage through a study of English literature and the great books of the world. College preparation and essay writing are emphasized.

This course meets the University of California English "b" or Elective "g" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 12

CO-REQUISITES: If you take this course, you must also take E043 - English 8C second semester

E360 Literature of Fantasy 1C

This college prep course is designed for students interested in reading from the fantasy genre. This course is taken along with Science Fiction. Students must have a "c" or better in their previous English class.

Both semester courses meet the University of California English "b" or Elective "g" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 12

CO-REQUISITES: If you take this course, you must also take E460 - Science Fiction 1C second semester

E460 Science Fiction 1C

This college prep course is designed for students interested in reading from the science fiction genre. This course is taken along with literature of Fantasy. Students must have a "c" or better in past English class.

Both courses meet the University of California English "b" or Elective "g" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 12

CO-REQUISITES: If you take this course, you must also take E360 - Literature of Fantasy 1C first semester

E353 AP English Literature 1

This course teaches Advanced Placement English to juniors and/or seniors as outlined in the syllabus on Composition/Literature or Language/Composition published by the National Advanced Placement Program.

This course meets the University of California English "b" or Elective "g" requirement.

COURSE NOTE: For summer assignments see the Granite Hills web page at granite.guhsd.net

CREDIT: 5 *TYPE:* Advanced Placement *GRADE:* 12

CO-REQUISITES: If you take this course, you must also take E354 – AP English Literature 2 second semester

E660 Emerging ALD 1

ELs scoring **Emerging** (CELD 1) and have been in the US 12 months or less. Students enrolled in Emerging ALD must also be concurrently enrolled in ELD ½ if available or CP English.

E363 English 3 International Baccalaureate HL2

This course is the second year of a two-year sequence that will introduce students to university level work in English Language and Literature. Students are prepared for the IB exam that consists of a series of oral and written in this unique course of study. Most universities offer 8 quarter or 6 semester units of credit for successful completion of the optional IB Literature exams. Students will learn to work independently on literary comparisons that are concerned with a personal response to literature. They will learn to express ideas with clarity, coherence, conciseness, precision, and fluency in both written and oral communication. Texts for this course are more global in nature and students will gain an understanding of written communication that is more internationally focused.

This course meets the University of California English "b" or Elective "g" requirement.

COURSE NOTE: International Baccalaureate English is a two-year sequence that replaces state mandated English in the Junior and Senior years.

For summer assignments see the Granite Hills web page at granite.guhsd.net

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 12

PRE-REQUISITE: E362 - English 2 International Baccalaureate HL1

CO-REQUISITES: If you take this course, you must also take E364 - English 4 International Baccalaureate HL2 second semester

E675 ELD Intermediate 1

This two-semester course (with an optional third semester) of literature-based, language development course work is designed to increase Cognitive Academic Language Proficiency (CALP). This course meets an English graduation requirement.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take E670 - ESL Intermediate 1

E676 ELD Intermediate 2

This two-semester course (with an optional third semester) of literature-based, language development course work is designed to increase Cognitive Academic Language Proficiency (CALP).

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take E671 – ESL Intermediate 2

English Electives:

E078 English for Academics 1C

This is an elective course for 10-12 grade students who are experiencing difficulties in English Language Arts classes. Primary emphasis will be placed on helping the student improve English writing skills and develop a broad range of cross-curricular, academic vocabulary. In addition, some class time will be used to teach specific study skills and to give individualized help with any subject where the student may not be achieving at a satisfactory level. These courses **do not** meet the University of California a-g requirements and **do not** meet NCAA requirements. These courses are coded E8 and are taken concurrently with the appropriate grade-level English course. These courses can fill in any previously failed E1, E2, or E3 requirements as needed for graduation purposes only.

COURSE NOTE: Requires CEIS coordinator recommendation

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 10

CO-REQUISITES: If you take this course, you must also take E079 English for Academics 2C

E532 Advanced Publications: Journalism, Design and Management 1C

This two-semester course intended for 11th grade students combines high-level critical thinking, reading and writing skills of print journalism with the artistic, creative and aesthetic skills of the visual and graphic arts. Students master the writing and editing of the most common forms of journalistic stories; read and analyze relevant literature through expository writing; learn and practice the basics of design and layout; analyze and evaluate images based on a set of given values; learn communication, management, and evaluation skills for individuals and small teams; use of state-of-the-art word processing and industry standard graphic design and digital photography software; and demonstrate knowledge and understanding of ethical responsibilities and communications law. This course will sharpen students' thinking and expression, widen their experience with people and communication, provide an environment for self-directed learning and give them confidence in their ability to see their creative ideas to completion. Prerequisite: Teacher Approval and/or Recommendation. **This course meets the University of California "g" elective requirement.**

COURSE NOTE: Instructor approval in addition to prerequisite.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 10-12

CO-REQUISITES: If you take this course, you must also take E533 - Advanced Publications: Journalism, Design and Management 2C

E534 Advanced Publications: Journalism, Design and Management 3C

This two-semester course intended for 11th grade students combines high-level critical thinking, reading and writing skills of print journalism with the artistic, creative and aesthetic skills of the visual and graphic arts. Students master the writing and editing of the most common forms of journalistic stories; read and analyze relevant literature through expository writing; learn and practice the basics of design and layout; analyze and evaluate images based on a set of given values; learn communication, management, and evaluation skills for individuals and small teams; use of state-of-the-art word processing and industry standard graphic design and digital photography software; and demonstrate knowledge and understanding of ethical responsibilities and communications law. This course will sharpen students' thinking and expression, widen their experience with people and communication, provide an environment for self-directed learning and give them confidence in their ability to see their creative ideas to completion.

COURSE NOTE: Instructor approval in addition to prerequisite.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 11-12

PRE-REQUISITE: E532 - Advanced Publications: Journalism, Design and Management 1C

CO-REQUISITES: If you take this course, you must also take E535 - Advanced Publications: Journalism, Design and Management 4C

E104 Publications 5 (Pageant)

This two-semester course is designed for the production of the school yearbook.

COURSE NOTE: Instructor approval in addition to prerequisite.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 11-12

PRE-REQUISITE: E103 - Publications 4

CO-REQUISITES: If you take this course, you must also take E105 - Publications 6 second semester

E092 Journalism (Clarion) 3

This two-semester advanced production course allows students to produce the school newspaper, The Clarion, and learn to report school news accurately and objectively. Students will perform auxiliary functions associated with their production responsibilities.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 11-12

CO-REQUISITES: If you take this course, you must also take E091 –Journalism (Clarion) 2 second semester

E094 Journalism (Clarion) 5

This two-semester advanced production course allows students to produce the school newspaper, The Clarion, and learn to report school news accurately and objectively. Students will perform auxiliary functions associated with their production responsibilities.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 11-12

CO-REQUISITES: If you take this course, you must also take E091 –Journalism (Clarion) 2 second semester

E670 ESL Intermediate 1

This course is designed to provide English-as-a-Second Language instruction for the limited-English-speaking student. Emphasis is placed upon communication skills, including the development of reading and writing skills. This course is for elective credit only.

COURSE NOTE: Concurrent enrollment in E675-ELD Intermediate 1 required.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take E662 – ESL Beginning 3 second semester
If you take this course, you must also take E675 - ELD Intermediate 1

****C – MATHEMATICS****

A minimum of three years of mathematics is required for graduation from high school. For students planning to attend a four-year college or university, Algebra I, Geometry, and Algebra II are required. For students planning to attend the University of California, four years of mathematics are recommended. Most private institutions have the same requirements. Four years of mathematics is highly recommended for college bound students, especially those entering such technical fields as engineering, medicine, and the sciences.

M600 Integrated Math IC-1

This course is the first of an integrated and investigative mathematics program to use patterns, modeling, and conjectures to build student understanding and competency in mathematics. The students will be expected to learn through collaboration, collection of data, experimentation, and conjectures using technology as well as traditional tools to develop a robust understanding of the mathematical principles involved. The students will learn mathematical sense making, make and test conjectures and justify conclusions, use mathematical models to represent real-world data, be able to provide clear and concise answers, and have computational and symbolic fluency.

This course meets the University of California Mathematics “c” requirement.

COURSE NOTE: a score of 65% on the Integrated Math Program Assessment test required.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take M605 – Integrated Math IC-2 second semester

M610 Integrated Math IH-1

Integrated Math 1H is a challenging honors level course which is intended for 9th graders who excel in math. It satisfies the California Common Core Standards for Integrated Math 1 and is designed to contain more critical thinking applications with greater depth of knowledge. As a honors ninth grade course, it will have more performance tasks that build and strengthen students' critical thinking skills and conceptual knowledge and understanding of functions, linear functions, equations, inequalities, sequences, basic exponential functions, systems of linear equations and inequalities, one variable descriptive statistics, correlation and residuals, analyzing categorical data, mathematical modeling, and both coordinate and transformational geometries.

This course meets the University of California Mathematics “c” requirement.

COURSE NOTE: a score of 65% on the Integrated Math Program Assessment test required.

CREDIT: 5 *TYPE:* Honors *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take M615 – Integrated Math IH-2 second semester

M430 Geometry, Plane & Solid IH-1

This is a two-semester course for accelerated college bound students. This is a rigorous, traditional Euclidean geometry course. Material is covered much more extensively than presented in Geometry, Plane & Solid IC-1, 2. Additional topics of advanced algebra and geometry are considered as time permits. Course content includes inductive and deductive reasoning, the nature of proof, the relationships and properties of angles, parallel and perpendicular lines, congruence and similarity of triangles, polygons and circles, constructions, coordinate geometry, areas of polygons, circles and solids, and volumes of solids. ***This course meets the University of California Mathematics “c” requirement.***

COURSE NOTE: 9th Grade Prerequisite: Teacher recommendation and a score of 85% on the Algebra Program Assessment Test.

CREDIT: 5 *TYPE:* Honors *GRADE:* 9-10

10th Grade PREREQUISITE: M405 - Algebra IC-2 or M415 – Algebra 1H-2

CO-REQUISITES: If you take this course, you must also take M435 - Geometry, Plane & Solid IH-2 second semester

M450 Algebra IIH-1

This is a two-semester course for accelerated college bound students. This is a rigorous intermediate algebra course. Material is covered much more extensively than presented in Algebra IIC-1, 2. Additional topics of advanced algebra are considered as time permits. Course content includes sets and set operations, the properties of the real number system, linear functions and relations, graphing, systems of linear and quadratic equations, polynomials, rational expressions, fractional equations, exponents and radicals, quadratic functions and relations, exponential functions, and logarithms. ***This course meets the University of California Mathematics "c" requirement.***

COURSE NOTE: Minimum of advanced or proficient on Algebra I CST and teacher recommendation.

CREDIT: 5 *TYPE:* Honors *GRADE:* 10-11

PRE-REQUISITE: M425 - Geometry, Plane & Solid IC-2 or M435 - Geometry, Plane & Solid IH-2

CO-REQUISITES: If you take this course, you must also take M455 - Algebra IIH-2 second semester

M420 Geometry, Plane & Solid IC-1

This is a two-semester course college bound students. This is a rigorous traditional Euclidean geometry course. Course content includes inductive and deductive reasoning, the nature of proof, the relationships and properties of angles, parallel and perpendicular lines, congruence and similarity of triangles, polygons and circles, constructions, coordinate geometry, areas of polygons, circles and solids, and volumes of solids.

This course meets the University of California Mathematics "c" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 10-12

PRE-REQUISITE: M405 - Algebra IC-2

CO-REQUISITES: If you take this course, you must also take M425 - Geometry, Plane & Solid IC-2 second semester

M440 Algebra IIC-1

This is a two-semester course for college bound students. This is a rigorous intermediate algebra course. Course content includes sets and set operations, the properties of the real number system, linear functions and relations, graphing, systems of linear and quadratic equations, polynomials, rational expressions, fractional equations, exponents and radicals, quadratic functions and relations, exponential functions, and logarithms.

This course meets the University of California Mathematics "c" requirement.

COURSE NOTE: Minimum of "B" in Algebra IC 1/2 on the first attempt.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 10-12

PRE-REQUISITE: M425 - Geometry, Plane & Solid IC-2

CO-REQUISITES: If you take this course, you must also take M445 - Algebra IIC-2 second semester

M582 Mathematics 1 International Baccalaureate SL

This year-long course will provide a sound mathematical basis in preparation for further studies in mathematically related fields such as chemistry, economics, geography, and business administration. This course is a demanding program containing a variety of topics that requires some background knowledge in math and an ability to apply various mathematical methods of reasoning and thought in many situations. The objectives for this course will be met in pre-calculus, calculus, and statistics courses for students who need a moderate background of mathematical thought for other technical studies. Students who are considering further studies in the biological sciences, chemical sciences, economics, and psychology should consider taking this course.

This course meets the University of California Mathematics "c" or Elective "g" requirement.

COURSE NOTE: Prerequisite: Grade of "B" or above in Algebra IIH-2.

Mandatory to take Calculus in 12th grade since this is when students will take the IB test.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 11

PRE-REQUISITE: M455 - Algebra I/H-2

CO-REQUISITES: If you take this course, you must also take M583 - Mathematics 2 International Baccalaureate SL second semester

M437 Intermediate Algebra 1

This course is designed for students who do not intend to major in math or science. The course does not meet the requirement for entry into Pre-Calculus. It is similar to Algebra 2 but does not include trigonometry. The course provides students with the necessary background needed for a successful level of achievement on college level entrance exams. The course includes such topics as rational & radical expressions, quadratic equations, set and function notation, logarithms, and complex numbers.

This course meets the University of California Mathematics "c" requirement.

COURSE NOTE: Prerequisite: Teacher recommendation.

This course does not meet NCAA core-course requirements.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 11-12

CO-REQUISITES: If you take this course, you must also take M438 - Intermediate Algebra 2 second semester

M512 Pre-Calculus Mathematics IC-1

This is a two-semester advanced mathematics course for college bound students. This course is designed primarily to extend the student's knowledge and skills in advanced algebra prior to taking more advanced work in calculus and modern algebra. Course content includes polynomial, exponential, logarithmic, circular and trigonometric functions, sequences and series, limits and continuity, induction, the binomial theorem, matrices, and logic.

This course meets the University of California Mathematics "c" or Elective "g" requirement.

COURSE NOTE: Prerequisite: Grade of "B" or above in Algebra II-2.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 11-12

PRE-REQUISITE: M445 - Algebra I/C-2

CO-REQUISITES: If you take this course, you must also take M517 - Pre-Calculus Mathematics IC-2 second semester.

M520 Pre-Calculus Mathematics IH-1

This is a two-semester course for accelerated college bound students. This is a rigorous advanced algebra course. Material is covered much more extensively than presented in Pre-Calculus Mathematics IC-1, 2. Additional topics of advanced algebra and calculus are considered as time permits. Course content includes polynomial, exponential, logarithmic, circular and trigonometric functions, sequences and series, limits and continuity, induction, the binomial theorem, matrices, and logic.

This course meets the University of California Mathematics "c" or Elective "g" requirement.

COURSE NOTE: Prerequisite: Grade of "B" or above in Algebra I/H-2.

CREDIT: 5 *TYPE:* Honors *GRADE:* 11-12

PRE-REQUISITE: M455 - Algebra I/H-2

CO-REQUISITES: If you take this course, you must also take M525 - Pre-Calculus Mathematics IH-2 second semester.

M550 AP Calculus AB IH-1

This is a two-semester introductory course in calculus and elementary functions equivalent to one semester of college level calculus.

This course meets the University of California Mathematics "c" or Elective "g" requirement.

COURSE NOTE: Prerequisite: Grade of "C" or above in Pre-Calculus Mathematics 1C-2.

CREDIT: 5 *TYPE:* Advanced Placement *GRADE:* 11-12

PRE-REQUISITE: M517 - Pre-Calculus Mathematics IC-2

CO-REQUISITES: If you take this course, you must also take M551 – AP Calculus AB IH-2 second semester

M150 Consumer Mathematics 1

This is a one-semester course that emphasizes the mathematical knowledge and skills needed to function in today's society. This course provides the student who has mastered general math skills with the methods of mathematics to solve real-life problems. This course can be taken concurrently with Consumer Mathematics 2. Course content includes units of payroll, checking and savings accounts, credit, housing, inflation, and budgets.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 12

CO-REQUISITES: If you take this course, you must also take M155 - Consumer Mathematics 2 second semester

M560 AP Calculus BC IH-1

This two-semester course in calculus incorporates all topics covered in Advanced Placement Calculus AB IH-1, 2 and additional topics. The course is equivalent to a full year of college level calculus.

This course meets the University of California Mathematics "c" or Elective "g" requirement.

COURSE NOTE: This course does not have teacher directed instruction.

CREDIT: 5 *TYPE:* Advanced Placement *GRADE:* 12

PRE-REQUISITE: M555 - AP Calculus AB IH-2

CO-REQUISITES: If you take this course, you must also take M561 – AP Calculus BC IH-2 second semester

M565 College Prep Statistics 1

This course is designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: (1) Exploring Data: observing patterns and departures from patterns; (2) Planning A Study: deciding what and how to measure; (3) Anticipating Patterns in Advance: producing models using probability and simulation; and (4) Statistical Inference: confirming models.

This course meets the University of California "c" mathematics and "g" elective requirements.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 12

PRE-REQUISITE: Algebra II

CO-REQUISITES: If you take this course, you must also take M566 – College Prep Statistics

M570 AP Statistics 1

The Advanced Placement Program offers a course description and examination in statistics to students who wish to complete studies in secondary school equivalent to one-semester in introductory, non-calculus-based, college course in statistics. In colleges and universities, the number of students who take a statistics course is almost as large as the number of students who take a calculus course. At least one statistics course is typically required for majors such as engineering, psychology, sociology, health science, and business. Every semester about 20,000 students take their first statistics course from the mathematics or statistics department at their college or university. The vast majority of these students take a non-calculus based introductory course that is equivalent to the AP Statistics course. A large number of other students take a similar introductory course from other departments who teach their own statistics course. AP Statistics will be effective preparation for science, engineering, business, and mathematics majors who usually take an upper division calculus-based course in statistics.

This course meets the University of California Mathematics "c" or Elective "g" requirement.

COURSE NOTE: Prerequisite: Grade of "C" or above in Pre-Calculus Mathematics 1C-2.

CREDIT: 5 *TYPE:* Advanced Placement *GRADE:* 12

PRE-REQUISITE: M445 - Algebra IIC-2

CO-REQUISITES: If you take this course, you must also take M571 – AP Statistics 2 second semester

M580 Mathematical Studies 1 International Baccalaureate SL

This year long course provides the students with the ability to apply mathematical applications to make decisions based on data presented by graphs, functions, tables, charts, etc. and communicate information in a clear and logical manner. The objectives for this course will be met in geometry, algebra II, and pre-calculus courses for students who will be demonstrating the applications of mathematics to life in a technical society. This course is for students with varied abilities to gain confidence and appreciation for mathematics in their future studies.

This course meets the University of California Mathematics "c" or Elective "g" requirement.

COURSE NOTE: Prerequisite: Grade of "B" or above in Algebra IIC-2.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 12

PRE-REQUISITE: M517 - Pre-Calculus Mathematics IC-2

CO-REQUISITES: If you take this course, you must also take M581 - Mathematical Studies 2 International Baccalaureate SL second semester

******D – SCIENCE******

A minimum of two years of lab science (one life science and one physical science) are required for graduation from high school and for admission into the CSU or UC system. Students planning on admission to the UC system or those interested in pursuing science in college are strongly recommended to go beyond the minimum requirements. ****Students are encouraged to talk with their counselor and consult teachers within the science department to determine the best course for them***

R025 Space and Earth Science 1C

This two-semester course is for students in grades 9, 10, 11, and 12. This laboratory course that will take an in-depth look at the natural world and it's processes. Inquiry-based performance tasks, labs, and activities students will master a broad curriculum that gives them a comprehensive understanding of the objects that make up our vast universe, the history of our universe and planet earth. ***This course meets the GUHSD***

Physical Science graduation requirement and the University of California Science "d" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take R026 – Space and Earth Science 2C second semester

R191 Biology 1C

This two-semester course is for students in grades 9, 10, 11, and 12. This laboratory-oriented course will cover concepts in botany, genetics, human biology, zoology, and ecology. ***This course meets the GUHSD Life Science graduation requirement and the University of California Science "d" or Elective "g" requirement.***

CREDIT: 5 *TYPE:* College Prep *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take R192 - Biology 2C second semester

R201 Biology 1H

This two-semester course is open to gifted college preparatory or honors students who have demonstrated an interest and ability in science. This course will differ from the college preparatory R191/R192 courses in its text coverage, its greater emphasis on chemistry and physics, and its final direction toward basic concepts in biology.

This course meets the GUHSD Life Science graduation requirement and the University of California Science "d" or Elective "g" requirement.

CREDIT: 5 *TYPE:* Honors *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take R202 - Biology 2H second semester

R281 Chemistry 1C

This two-semester course is for college preparatory students in grades 10, 11, and 12. This laboratory-oriented course includes concepts on the structure of matter, energy relationships, periodicity of elements, equilibrium, and chemical notation.

This course meets the GUHSD Physical Science graduation requirement and the University of California Science "d" or Elective "g" requirement.

COURSE NOTE: Concurrent enrollment in an advanced math course is required.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 10-12

PRE-REQUISITE: R192 - Biology 2C or R202 – Biology 2H

CO-REQUISITES: If you take this course, you must also take R282 - Chemistry 2C second semester

R291 Chemistry 1H

This two-semester laboratory science course is designed for the academically talented student that studies matter pertaining to its composition and changes that occur in composition. There is more detailed and mathematical treatment than in the 1C course and the same content is covered, and when time allows an introduction to qualitative and quantitative chemical analysis is given.

This course meets the GUHSD Physical Science graduation requirement and the University of California Science "d" or Elective "g" requirement.

CREDIT: 5 *TYPE:* Honors *GRADE:* 10-12

PRE-REQUISITE: Pre-requisite: Algebra 1C-2 College Prep minimum grade of C and Biology 2C College Prep minimum grade of C.

CO-REQUISITES: If you take this course, you must also take R292 - Chemistry 2H second semester

R150 Lab Assistant 1

This course is designed for students who have demonstrated unusual capabilities in science and wish to assist the instructors in preparing and conducting a variety of lab experiences as an assistant to the instructor. This course DOES NOT MEET the GUHSD Life or Physical Science graduation requirement and is open to students in grades 11 and 12 with teacher consent.

COURSE NOTE: This course requires teacher completed Lab Assistant Form. See guidance department for blank form.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 11-12

R233 Biology 1 IB HL 1

This course of biological study is designed to provide students with a thorough knowledge and understanding of life as it exists on our planet. The curriculum will include but is not limited to science as a process, structure and function complementarity, independence of living organisms in nature, scale and structure, energy flow, systemic regulation at all levels of organization, continuity and diversity, evolution, and applications to our society and humankind. Additional curriculum will include cells, nucleic acids, protein synthesis, genetics, reproduction, diseases, classification, the nervous system, muscular and excretory systems and plants. Chemistry, evolution, structure and function relationships and ecology will also be addressed. This course meets UC "d" science and "g" elective requirements.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 11

R235 Biology 3 IB HL

This course is designed to provide necessary lab hours required for Biology 1/2 HL IB course. The course will incorporate interdisciplinary group 4 projects. It will also cover the concept of cell biology and genetics. Prerequisites: Biology 1C/2C or Biology 1H/2H, Chemistry 1C/2C or Chemistry 1H/2H, and Physiology 1H/2H

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 12

CO-REQUISITES: If you take this course, you must also take R236 – Biology 4 IB HL second semester

R333 Environmental Systems and Societies 1 IB SL

This two-semester trans-disciplinary course falls under the Experimental Science - Subject Group 4 and individuals and Societies - Subject Group 3. This course is unique in that it contains various sciences, coupled with a societal viewpoint, all intertwined to help students understand the environment and its sustainability. The purposes of this course is to expose students to the interrelationships of the environment and societies, and the nature of their interactions, so that they can make an informed personal response to a wide range of pressing global issues. This course requires field experiences which will further extend the interrelationships between the environment and societies. Students will consider the interdependence of peoples, communities and nations around the world as governmental and non-governmental agencies work to manage and preserve the resources of our globe's environment. ***This course meets the University of California Elective "g" requirement.***

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 11-12

CO-REQUISITES: If you take this course, you must also take R334 - Environmental Systems and Societies 1/2 IB SL second semester

R341 Physics 1C

This laboratory-oriented course includes concepts in mechanics, heat, electricity, wave phenomena, and kinematics.

This course meets the GUHSD Physical Science graduation requirement and the University of California Science "d" or Elective "g" requirement.

COURSE NOTE: Chemistry 2C with a grade of "C" or better is highly recommended.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 11-12

PRE-REQUISITE: Pre-requisite: Geometry IC-2 College Prep minimum grade of C and Biology 2C College Prep minimum grade of C.

CO-REQUISITES: If you take this course, you must also take R342 - Physics 2C second semester

R420 Oceanography 1C

Within the course proposed we would teach to the adopted State Science Standards. This course will give students the opportunity to apply the learning of Physical Science/Earth Science, and will meet the Earth/Physical Science graduation requirement. The course will focus on the Geo/Physical aspects of Oceanography including their relationship to land environment (i.e., meteorology, erosion, pollution, etc.)

This course meets the University of California Science "d" or Elective "g" requirement.

PRE-REQUISITE: Algebra 1

R316 Medical Pathway - Medical Chemistry 1H

This two-semester laboratory science course is designed for the academically talented student that studies matter pertaining to its composition and changes that occur in composition. There is more detailed and mathematical treatment than in the 1C course and the same content is covered, and when time allows an introduction to qualitative and quantitative chemical analysis is given. This course exposes students to the fundamental concepts and state standards of chemistry with a medical emphasis. ***This course meets the GUHSD Physical Science graduation requirement and the University of California Science "d" or Elective "g" requirement.***

COURSE NOTE: MEDICAL PATHWAY

*2nd Course in a 4-Year Pathway

*Concurrent enrollment in Geometry 1C/2C or an advanced math course beyond Geometry is required.

CREDIT: 5 *TYPE:* Honors *GRADE:* 10-11

PRE-REQUISITE: Biology 2H or Medical Biology 2H with minimum grade of "C".

CO-REQUISITES: If you take this course, you must also take R317 - Medical Pathway - Medical Chemistry 2H second semester

R235 Biology 3 IB HL

This course is designed to provide necessary lab hours required for Biology 1/2 HL IB course. The course will incorporate interdisciplinary group 4 projects. It will also cover the concept of cell biology and genetics.

Prerequisites: Biology 1C/2C or Biology 1H/2H, Chemistry 1C/2C or Chemistry 1H/2H, and Physiology 1H/2H

COURSE NOTE: MEDICAL PATHWAY

*4th Course in a 4-Year Pathway

* PRE-REQUISITE: Physiology 1H with minimum grade of "C".

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 12

CO-REQUISITES: If you take this course, you must also take R236 – Biology 4 IB HL second semester

******E – WORLD LANGUAGE******

Students are required to take a minimum of two years (or the equivalent of year 2) of a language other than English to graduate. Two years of a World Language are required for admission to the CSU/UC systems. However, three to four years of a World Language are recommended to better ensure admission.

G011 French 1C

This two-semester beginning course is an introduction to the French language by means of the communicative approach. The basic grammatical structure of the language in its cultural context through a variety of activities and carries on simple conversations is covered. General emphasis is on listening and speaking. This course is designed for the college preparatory level.

This course meets the University of California Foreign Language "e" or Elective "g" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take G012 - French 2C second semester

G013 French 3C

This two-semester second level course is a continuation and expansion of the basic language patterns of French 1C and 2C. Emphasis is on increasing communicative skills and culture awareness of all French-speaking people. ***This course meets the University of California Foreign Language "e" or Elective "g" requirement.***

CREDIT: 5 *TYPE:* College Prep *GRADE:* 10-12

PRE-REQUISITE: G012 - French 2C

CO-REQUISITES: If you take this course, you must also take G014 - French 4C second semester

G033 French Language 1 International Baccalaureate SL

This college level two-semester course is intended for 11th and 12th grade students. The goal of the class is to develop the reading, writing, oral, and listening skills of the IB French students so they are prepared for the IB Examination-Standard Level. This course will draw from the following three themes: exploring change; exploring groups; and exploring leisure. Students will read, view, and discuss literature, current journals, Internet sites, newspapers, textbooks, and television news programs. Students taking this course are expected to take the Standard Level French IB test in May for a fee.

This course meets the University of California Foreign Language "e" or Elective "g" requirement.

COURSE NOTE: Teacher recommendation required.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 12

PRE-REQUISITE: G016 - French 6C

CO-REQUISITES: If you take this course, you must also take G034 - French Language 2 International Baccalaureate SL second semester

G035 French 1 International Baccalaureate HL1

This course focuses on cultural and literary topics and includes a review of all grammatical concepts. New vocabulary is introduced through readings about a variety of subjects including legends, short stories, magazine articles, politics, entertainment, ecology, and the environment. Emphasis is placed on francophone literature and cultures from around the world. Cultural topics include French holidays, media, and leisure time in Europe and other francophone countries. Readings include literary works such as the Phantom of the Opera. Oral presentations and debates are required of all students as part of the IB curriculum. Extensive listening activities from CD's and DVD's provide students with the opportunity to hear normal conversational French. Assessment techniques include journal writings, tests, quizzes, homework assignments, oral presentations, and essays.

This course meets the University of California Foreign Language "e" or Elective "g" requirement.

COURSE NOTE: Teacher recommendation required.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 11

PRE-REQUISITE: G014 - French 4C

CO-REQUISITES: If you take this course, you must also take G036 - French 2 International Baccalaureate HL1 second semester

G037 French 3 International Baccalaureate HL2

This two-semester college level course focuses on advanced conversation, reading, and grammar. This course reflects a more advanced and intense study in French. Students taking this course are expected to take the Higher Level French IB test in May for a fee.

This course meets the University of California Foreign Language "e" or Elective "g" requirement.

COURSE NOTE: Teacher recommendation required.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 12

PRE-REQUISITE: G036 - French 2 International Baccalaureate HL1

CO-REQUISITES: If you take this course, you must also take G038 - French 4 International Baccalaureate HL2 second semester

G415 Conversational Spanish 1

This two-semester course fulfills the one-year Foreign Language graduation requirement. This course is open to any student seeking basic conversational skills in Spanish. May be used as an introductory course for those students who choose to continue on with the college preparatory sequence of Spanish 1C/2C, 3C/4C, etc.

This course meets the University of California Foreign Language "e" or Elective "g" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 9-12

G271 Spanish 1C

This two-semester course serves as an introduction to the Spanish language by means of the communicative approach. The student encounters the basic grammatical structure of the language in its cultural context through a variety of activities, and carries on simple conversations. General emphasis is on listening and speaking.

This course meets the University of California Foreign Language "e" or Elective "g" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take G272 - Spanish 2C second semester

G273 Spanish 3C

This two-semester course is the second year of study for the Spanish language. It is a continuation and expansion of the basic language patterns of Spanish 1C and 2C. Emphasis is on increasing communicative skills and cultural awareness of all people who speak Spanish. The student must have received at least a "C" in Spanish 1C and 2C to be enrolled.

This course meets the University of California Foreign Language “e” or Elective “g” requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 9-12

PRE-REQUISITE: G272 - Spanish 2C

CO-REQUISITES: If you take this course, you must also take G274 - Spanish 4C second semester

G340 Spanish for Spanish Speakers 3C

This two-semester course is designed for native Spanish speakers offering more advanced grammar, non-simplified reading materials, spelling lists, and more advanced vocabulary study.

This course meets the University of California Foreign Language “e” or Elective “g” requirement.

COURSE NOTE: Prerequisite: Native speaker of Spanish

CREDIT: 5 *TYPE:* College Prep *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take G341 - Spanish for Spanish Speakers 4C second semester

G284 Spanish 5H

This two-semester course is conducted exclusively in Spanish that requires greater depth, quality, and linguistic acumen from the student than the college preparatory curriculum. Students should demonstrate above average command of sentence structure and all basic grammar, in oral and written language, by the end of the course. Course requirements include varied and consistent oral participation, weekly addition of a significant number of words in the student's recognition and usage vocabulary, regular study of literary works of recognized merit, and writing development assignments.

This course meets the University of California Foreign Language “e” or Elective “g” requirement.

CREDIT: 5 *TYPE:* Honors *GRADE:* 10-12

PRE-REQUISITE: G274 - Spanish 4C *or* G340 - Spanish for Spanish Speakers 3C

CO-REQUISITES: If you take this course, you must also take G285 - Spanish 6H second semester

G291 AP Spanish Language 1

This two-semester college-level course provides curriculum consistent with the Advanced Placement course description published by the College Board. Students taking this course are expected to take the Spanish AP test in May for a fee.

This course meets the University of California Foreign Language “e” or Elective “g” requirement.

COURSE NOTE: Teacher recommendation required.

CREDIT: 5 *TYPE:* Advanced Placement *GRADE:* 10-12

PRE-REQUISITE: G285 - Spanish 6H

CO-REQUISITES: If you take this course, you must also take G292 – AP Spanish Language 2 second semester

G303 Spanish Language 1 International Baccalaureate SL

The goal of this two-semester course is to develop the reading, writing, oral and listening skills of the IB Spanish students so they are prepared for the IB Examination – Standard Level. This course will draw from the following three themes: exploring change; exploring groups; and exploring leisure. Students will read, view, and discuss literature, current journals, Internet sites, newspapers, textbooks, and television news programs. Students taking this course are expected to take the Spanish IB test in May for a fee.

This course meets the University of California Foreign Language “e” or Elective “g” requirement.

COURSE NOTE: Teacher recommendation required.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 12

PRE-REQUISITE: G274 - Spanish 4C

CO-REQUISITES: If you take this course, you must also take G304 - Spanish Language 2 International Baccalaureate SL second semester

G305 Spanish 1 International Baccalaureate HL1

This two-semester course focuses on cultural and literary topics and includes a review of all grammatical concepts. New vocabulary is introduced through readings about a variety of subjects including legends, short stories, magazine articles, politics, entertainment, ecology, and the environment. Emphasis is placed on literature and cultures from around the world. Cultural topics include Spanish holidays, media, and leisure time in Spanish countries. Oral presentations and debates are required of all students as part of the International Baccalaureate curriculum. Extensive listening activities from CD's and DVD's provide students with the opportunity to hear normal conversational Spanish. Assessment techniques include journal writings, tests, quizzes, homework assignments, oral presentations, and essays.

This course meets the University of California Foreign Language "e" or Elective "g" requirement.

COURSE NOTE: Teacher recommendation required.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 11

PRE-REQUISITE: G274 - Spanish 4C

CO-REQUISITES: If you take this course, you must also take G306 - Spanish 2 International Baccalaureate HL1 second semester

G307 Spanish 3 International Baccalaureate HL2

This college level course is designed for the third year of Spanish. This course reflects an advance and intense study of Spanish. The goal of the class is to develop reading, writing, oral, and listening skills of the IB Spanish students so they are prepared to take Spanish IB HL2. This course will draw from the following three themes: exploring change, exploring groups and exploring leisure. Students will read, view and discuss literature, current journal, Internet sites, newspapers, textbooks, short stories and television news programs.

This course meets the University of California Foreign Language "e" or Elective "g" requirement.

COURSE NOTE: Teacher recommendation required.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 12

PRE-REQUISITE: G304 - Spanish Language 2 International Baccalaureate SL second semester

******F – VISUAL AND PERFORMING ARTS******

A minimum of 1 year of a visual or performing art is required for admission to UC/CSU system.

PERFORMING ARTS

L040 Symphony Band

This two-semester course, which combines Marching Band in the fall and Symphonic Band in the spring, is for beginning to advanced wind, brass, and percussion players. Strong emphasis is placed on performance demonstrating the highest possible standards of playing ability and choice of music. Formal concerts, festivals, occasional trips and clinical events are listed on its schedule. Due to the performance nature of this course, participation in rehearsals and performances during and after the regular school day and on non-school days will be mandatory and is part of the course curriculum.

This course meets the GUHSD Fine Arts graduation requirement and the University of California Visual and Performing Arts "f" or Elective "g" requirement.

COURSE NOTE: No audition is required, but summer band camp is mandatory for all students.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take L040 - Symphony Band second semester

L190 Choir (Beginning Choir Mixed)

This two-semester course is an intermediate choir class in which singing experience in previous choirs or musical theatre productions is a distinct advantage but not a requirement for enrollment in the class. Students perform a wide variety of choral music including pop, folk, jazz, show tunes, and classical music. Performances include two concerts per semester plus district and area festivals in the spring. Due to the performance nature of this course, participation in rehearsals and performances during and after the regular school day is required.

This course meets the GUHSD Fine Arts graduation requirement and the University of California Visual and Performing Arts "F" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take L190 – Choir second semester

L200 Ensemble 1

Ensemble 1 is a year course and may be for treble, bass, or mixed voices. Generally the class enrollment should not exceed eighteen persons. This is a select group requiring at least a year's experience in another choral group. The students participate in festivals and perform for the school and local groups. Acceptance in the class is dependent upon tryouts and the teacher's recommendation. Due to the performance nature of this course, participation in rehearsals and performances during and after the regular school day is expected.

This course meets the University of California Visual and Performing Arts "f" and elective "g" requirement.

CREDIT: 5 *TYPE:* *GRADE:* 10-12

L210 Madrigals

This is a choral unit of mixed voices, which specializes in the singing of a specific form of music that is generally from the 14th through the 17th Century. Usually the music is of Italian, French, or English origin. This group is usually limited to sixteen performers and, in most schools, is considered as an enrichment program. Students are selected on the basis of interest and proficiency. Due to the performance nature of this class, participation in rehearsals and performances during and after the school day is expected.

This course meets the GUHSD Fine Arts graduation requirement and the University of California Visual and Performing Arts "f" requirement.

CREDIT: 5 *TYPE:* *GRADE:* 10-12

L240 Beginning Guitar, Classical 1

This first-semester course offers instruction in basic techniques and music fundamentals related to classical guitar performance. Note reading, fingering, and positions are presented as they pertain to classical guitar performance.

This course meets the University of California Visual and Performing Arts "f" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take L241 - Guitar Ensemble 1 second semester

L243 Guitar Ensemble 3

This course is designed especially for those students who have developed a serious posture toward the subject matter and have completed a course in beginning classical guitar and/or have been recommended by the instructor. The course may be continued with the proviso that the student attempts progression of advanced literature each ensuing year. The guitar ensemble performs intermediate to advanced levels of literature from various genres of music ranging from the renaissance, baroque, and classical to commercial and contemporary music. Students gain an understanding of classical guitar technique and various other styles of playing the guitar, rehearsal and performance techniques, theory, and history of selected repertoire. The director schedules required school and community performances in large orchestral and chamber settings.

This course meets the GUHSD Fine Arts graduation requirement, however it does not meet the University of California Visual and Performing Arts "f" or Elective "g" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 9-12

PRE-REQUISITE: L242 - Guitar Ensemble 2

CO-REQUISITES: If you take this course, you must also take L244 - Guitar Ensemble 4 second semester

L255 Beginning Piano 1

This two-semester course is designed for students with little or no musical background. It is designed as a general introduction to music using the piano as the learning tool. It will acquaint students with the language and skills of music and the piano and serve as an introduction to music theory.

This course meets the GUHSD Fine Arts graduation requirement and the University of California Visual and Performing Arts "f" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take L256 - Beginning Piano 2 second semester

L257 Continuing Piano 3

This course is designed especially for those students who have developed a serious posture toward the subject matter and who have completed the course in beginning piano and/or have been recommended by the instructor. This course may be repeated as necessary with the proviso that the student attempts a progression of advanced literature each ensuing year. Upon recommendation sophomores, juniors, and seniors, may take this course. This course could be used as a prerequisite for taking AP Music Theory.

This course meets the GUHSD Fine Arts graduation requirement and the University of California Visual and Performing Arts "f" or Elective "g" requirement.

COURSE NOTE: PREREQUISITE: Piano 2 is required or instructor's consent.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 10-12

PRE-REQUISITE: L256 - Beginning Piano 2

CO-REQUISITES: If you take this course, you must also take L258 - Continuing Piano 4 second semester

L290 Theatre 1

This course covers a variety of elements of theatre. These elements include: pantomime, improvisation, rehearsal and performance of monologues and scenes, creation and implementation of a three-dimensional character on stage, elements of stage blocking, play production, script writing, theatre history, musical theatre, and television/film production. Students gain an overall appreciation of the art of acting as well as the basics of theatre through hands-on experience, performance and feedback lecture, and projects.

This course meets the GUHSD Fine Arts graduation requirement and the University of California Visual and Performing Arts "f" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take L291 - Theatre 2 second semester

L292 Theatre 3

This second-year course of theatre study is designed for students who are interested in advanced theatre work. Acting, staging, directing, and lecturing are emphasized. Approval of the theatre teacher is required.

This course does not meet the GUHSD Fine Arts graduation requirement; however, it does meet the University of California Visual and Performing Arts "f" or Elective "g" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 10-12

PRE-REQUISITE: L291 - Theatre 2

CO-REQUISITES: If you take this course, you must also take L293 - Theatre 4 L293 second semester

L330 Technical Theatre 1

This course covers design basics of set, props, costumes, make-up, masks and puppetry, lights, sound, stage management, publicity, box office, house management, and Theatre History. In addition to design projects and assignments, students receive hands-on experience as a member of the design, building, and running crews for the theatre productions. Students may also serve as crews for outside performances and assemblies. This course serves as a hands-on, lab and project-based program giving the students real world experience in the elements of Technical Theatre.

This course meets the GUHSD Fine Arts graduation requirement and the University of California Visual and Performing Arts “f” requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take L331 - Technical Theatre 2 second semester

L332 Technical Theatre 3

This second-year course provides advanced theories and application of set design and construction, lighting, sound, makeup, costuming, publicity, and house management are presented in conjunction with the school's major play productions.

This course does not meet the GUHSD Fine Arts graduation requirement; however, it does meet the University of California Visual and Performing Arts “f” or Elective “g” requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 10-12

PRE-REQUISITE: L331 - Technical Theatre 2

CO-REQUISITES: If you take this course, you must also take L333 - Technical Theatre 4 second semester

L275 Film 1 International Baccalaureate HL1

This first-year course is an intensive two-year course designed to introduce students to the complexities of the study of film as an art form. Students will analyze in-depth several aspects of film including the literary, dramatic, and cinematic aspects of producing films of varying lengths, from short documentary pieces to longer, epic works. Students will also experience the detailed planning and degree of discipline that are required to produce their own short films. Because of the production nature of this class and the need for sophisticated production equipment and editing software, as well as the collaborative structure of film production, time outside of the regular school day may be necessary to complete required projects.

This course meets the GUHSD Fine Arts graduation requirement and the University of California Visual and Performing Arts “f” or Elective “g” requirement. This course does not receive UC honors status.

COURSE NOTE: Parent permission is required to view “R” rated films.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 11

CO-REQUISITES: If you take this course, you must also take L276 – Film 2 International Baccalaureate HL1 second semester

L277 Film 3 International Baccalaureate HL2

This second-year course is an intensive two-year course designed to introduce students to the complexities of the study of film as an art form. Students will analyze in-depth several aspects of film including the literary, dramatic, and cinematic aspects of producing films of varying lengths, from short documentary pieces to longer, epic works. Students will also experience the detailed planning and degree of discipline that are required to produce their own short films. Because of the production nature of this class and the need for sophisticated production equipment and editing software, as well as the collaborative structure of film production, time outside of the regular school day may be necessary to complete required projects.

This course meets the GUHSD Fine Arts graduation requirement and the University of California Visual and Performing Arts “f” or Elective “g” requirement.

COURSE NOTE: Parent permission is required to view “R” rated films.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 12

PRE-REQUISITE: L276 - Film 2 International Baccalaureate HL1

CO-REQUISITES: If you take this course, you must also take L278 – Film 4 International Baccalaureate HL2 second semester

VISUAL ARTS

B010 Art 1

This two-semester course is offered to all students. The course is based on the District Curriculum Concepts that include the development of aesthetic perception skills, creative expression, fine arts heritage, and aesthetic discrimination. Instruction in the care and use of basic tools and equipment is included. Art 1/2 is the prerequisite course for the AME pathway.

This course meets the GUHSD Fine Arts graduation requirement and the University of California Visual and Performing Arts “f” requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take B011 - Art 2 second semester

B020 Art 3

This two-semester advanced level art course is for students who have passed with a grade of "C" or better. Students will continue to practice observational drawing and painting skills. They will also experiment with new media such as chalk and oil pastel. While this course is mainly a project-based class, students will be required to read and write about historical artists and art movements.

This course meets the University of California Visual and Performing Arts “f” or Elective “g” requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 10-12

PRE-REQUISITE: B011 - Art 2

CO-REQUISITES: If you take this course, you must also take B021 - Art 4 second semester

B030 Art 5

This two-semester advanced level art course is for students who have passed Art 3/4 with a grade of "C" or better. Students will continue to perfect their observational drawing skills and ability to create a successful composition and design through a series of practice drawings and finished art projects. Students will research different styles of art and various individual artists. They will experiment with a variety of media and techniques. Their research, experiments, and drawings will be recorded in a personal sketchbook that will be a graded component of the class in addition to their finished project. Art 5/6 will prepare students for an AP or IB Art class.

This course meets the University of California Visual and Performing Arts “f” or Elective “g” requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 11-12

PRE-REQUISITE: B021 - Art 4

CO-REQUISITES: If you take this course, you must also take B031 - Art 6 second semester

B304 AP Studio Art Drawing 1

This two-semester advanced level art course is for students who have passed Art 3/4 with a grade of "C" or better. Students will continue to perfect their observational drawing skills and ability to create a successful composition and design through a series of practice drawings and finished art projects. Students will research different styles of art and various individual artists. They will experiment with a variety of media and techniques. Their research, experiments, and drawings will be recorded in a personal sketchbook that will be a graded component of the class in addition to their finished project. Art 5/6 will prepare students for an AP or IB Art class.

This course meets the University of California Visual and Performing Arts “f” requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 11-12

PRE-REQUISITE: B021 - Art 6

CO-REQUISITES: If you take this course, you must also take B031 - Art 6 second semester

B100 3-D Design 1C

This two-semester course is an introduction of basic sculpture ideas, methods, and materials. Students relate their work to the elements and principles of art, art history, cultural context, and aesthetics. Students become adept at creatively utilizing a variety of materials with an emphasis is on clay.

This course meets the GUHSD Fine Arts graduation requirement and the University of California Visual and Performing Arts "f" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take B101 - 3-D Design 2C second semester

B110 3-D Design 3C

This two-semester advanced level 3-D Design course is for students who have passed with a grade of "C" or better. This course builds on the methods and materials introduced in 3-D Design 1 and 2. Students relate their work to the elements and principles of art, art history, cultural context, and aesthetics. They will continue to be introduced to new materials and will begin experimenting with materials they are already familiar with. Students become adept at creatively utilizing a variety of materials with an emphasis on clay. This course meets the University of California Visual and Performing Arts "f" or Elective "g" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 10-12

PRE-REQUISITE: B101 - 3-D Design 2C with a grade of "C"

CO-REQUISITES: If you take this course, you must also take B111 - 3-D second semester

B120 3-D Design 5C

A course, wherein the student does special work in selection materials: stone, ceramic chemistry, pottery, metal, wood, and leather. The work is on an individual basis under the supervision of the teacher.

This course meets the University of California Visual and Performing Arts "f" or Elective "g" requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 10-12

PRE-REQUISITE: B111 - 3-D Design 4C with a grade of "C"

B210 Photography 1

This two-semester course covers the fundamentals of the art and technique of black and white photography. Students learn to use various types of cameras, from 35mm film to 35 mm digital, as they take their own photographs, develop film, and print their own pictures in the photography-enlarging lab. Areas that may be covered include studio and product photography, digital photography, special effects in the camera, photo lab or on the computer, and image retouching. Students develop an aesthetic appreciation of photography through the introduction of principles of composition and elements of design. The historical and cultural context of photography is investigated and career opportunities are presented. This is a laboratory class.

This course meets the GUHSD Fine Arts graduation requirement and the University of California Visual and Performing Arts "f" requirement.

COURSE NOTE: Due to the limited number of cameras for loan available in class, students should provide their own manual 35 mm camera.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 10-12

CO-REQUISITES: If you take this course, you must also take B211 - Photography 2 second semester

*******G – ELECTIVES*******

Business Education

K695 Discovering Computers

This second-semester course is an interdisciplinary overview of technology that is targeted to the ninth and tenth-grade levels. The emphasis of this course is to provide students with integrated learning experiences. Students will complete project assignments in a minimum of four different subject areas such as English, math, social science, science, technical areas, visual and performing arts, physical education, and other career areas demonstrating the use of a variety of technologies. Technologies demonstrated will include the use of computers and Multi Media tools such as scanners, CD-ROM, sound, and video. This course will include introductory units in keyboarding, networking, Multi Media, local and distant electronic research using the Internet, word processing, desktop publishing, spreadsheet, and databases. Semester two provides students with an introduction to the computer and its many uses. Students will finish the course with an in-depth understanding of the various computer components, input and output devices, storage systems, operating systems, information systems and information management, programming languages, and Internet access. Completion of semester one Technology Fundamentals and second-semester Discovering Computers will meet the graduation requirement for Technology Foundations.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take Y520 - Technology Fundamentals first semester

Y520 Technology Fundamentals

This semester one course is an interdisciplinary overview of technology that is targeted to the ninth and tenth-grade levels. The emphasis of this course is to provide students with integrated learning experiences. Students will complete project assignments in a minimum of four different subject areas such as English, math, social science, science, technical areas, visual and performing arts, physical education, and other career areas demonstrating the use of a variety of technologies. Technologies demonstrated will include the use of computers and Multi Media tools such as scanners, CD-ROM, sound, and video. This course will include introductory units in keyboarding, networking, Multi Media, local and distant electronic research using the Internet, word processing, desktop publishing, spreadsheet, and databases. Semester two provides students with an introduction to the computer and its many uses. Students will finish the course with an in-depth understanding of the various computer components, input and output devices, storage systems, operating systems, information systems and information management, programming languages, and Internet access. Completion of Technology Fundamentals and second-semester Discovering Computers will meet the graduation requirement for Technology Foundations.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 9-12

CO-REQUISITES: If you take this course, you must also take K695 - Discovering Computers second semester

T347 Multi Media Production 1

This is the first course in a three-year pathway; increasing advanced levels of material will be introduced at each level. Jobs in this field include media production specialists, animator, sound technician, and video production assistant. The media production skills learned in this course also enhances existing jobs such as graphic artist, photographer, and musician. Self-employment is also possible in the areas of video production, music, animation, and computer graphics. The course will cover the following areas of instruction: audio production and electronic music, video production, computer graphics and animation, desktop publishing, Multi Media productions, and video recorders. Students taking Multi Media will also be assigned to a specific team-taught English 3C/4C course.

This course does not meet the GUHSD Fine Arts graduation requirement; however, **it does meet the University of California Elective "g" requirement.**

COURSE NOTE: AME Pathway

*1st Course in 3-Year Pathway.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 10

CO-REQUISITES: If you take this course, you must also take T348 – Multi Media Production 2 second semester

Y845 Web Page Design 1

This two-semester course is designed to provide basic computer skills such as word processing, database creation, management and form design, and utilizing on-line resources (primarily the Internet). It will also include advanced skills involving aspects of programming, digital photography, and project management. Advanced HTML, topics, and web site management skills including image maps, animated GIFs, email management, VRML, and network management will also be included. Upon completion of this course, students will be able to design, create, and manage a comprehensive Internet web site utilizing programming skills, digital photography skills, and organizational skills in a cooperative learning environment.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 10-12

CO-REQUISITES: If you take this course, you must also take Y846 – Web Page Design 2 second semester

Y847 Web Page Design 3

On-line publishing extends and refines skills acquired in first year Web Page Design. Students will assume leadership roles in planning and executing online presentations for their campus and community clients. Emphasis is placed on principles of effective and responsible communication through reading, writing and art, workflow scheduling, and coordinating activities with cross-disciplinary peer groups, instructors, and community members. Technical emphasis is placed on the appropriate use of Dynamic HTML, immersive media, and emerging technologies to enhance interactive presentations that balance textual, graphic and auditory elements. Interpersonal skills, organization, and problem solving are also stressed. Instructors will assess students' conception, planning, coordination, and execution of projects in a timely manner as well as oral presentation of their work before their peers. Opportunities to work remotely in cooperative teams will be explored, further exercising reading and writing skills. Significant projects will be included in the students' extended transcripts.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 10-12

CO-REQUISITES: If you take this course, you must also take Y848 – Web Page Design 4 second semester

T357 Television, Film, and Digital Media 1

This is the fourth course in the four-year pathway. This year-long course introduces students to the business and influence of media and offers training in script writing, pre-production, field production, and post production for television or film. In addition to script writing in different genres and applying all stages of production, students will also become competent in the operation of technical equipment such a camera and basic digital editing utilizing industry software standards. Students will also learn basic 3 point lighting and audio recording techniques. This class will require basic production crew positions that require collaboration. Students will study and apply design aesthetics in video projects and will develop an appreciation for video production as an art form.

This course is articulated with Grossmont Community College and also meets the University of California Visual and Performing Arts "F" requirement.

COURSE NOTE: AME PATHWAY

*3rd Course in a 3-Year Pathway.

*Must commit to all 3 years.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 12

PRE-REQUISITE: T261 - Photo 2

CO-REQUISITES: If you take this course, you must also take T358 - Television, Film, and Digital Media 2 second semester

CTE Pathways Arts, Media & Entertainment

T245 Digital Arts 1

This one-year course provides training in digital media with an emphasis on design and the arts. The course covers digital illustration design, page layout, image manipulation and editing, photo retouching, and creation of images. This class will also cover portrait studio lighting and digital, filmless photography. Traditional drawing and painting techniques, including perspective, value, color theory, principles of composition and elements of design, will be taught with the computer as the tool. Emphasis is placed on tools necessary for careers in the fields of multimedia and digital arts. **This course meets the GUHSD Fine Arts graduation requirement and the University of California Visual & Performing Arts "f" requirement. This course is articulated with Grossmont College.**

COURSE NOTE: AME Pathway

*1st Course in 3-Year Pathway.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 10

CO-REQUISITES: If you take this course, you must also take T246 – Digital Arts 2 second semester

T260 Photo 1

This second-year course in the three-year AME Pathway requires that students take AME Pathway Multi Media course prior to taking this course. Students in CTE Pathways will have the opportunity to hear from industry guest speakers, participate in community service projects, and go on industry related field trips. This course covers the fundamentals of the art and technique of black and white photography. Students learn to use various types of cameras, from 35mm to digital as they take their own photographs, develop film and print their own pictures in the photography-enlarging lab. Areas that may be covered include studio and product photography, digital photography, special effects in the camera, photo lab, or on the computer, and image retouching. Students develop an aesthetic appreciation of photography through the introduction of principles of composition and elements of design. The historical and cultural context of photography is investigated and career opportunities are presented. This is a laboratory class.

Photography meets the GUHSD Fine Arts graduation requirement and the University of California Visual and Performing Arts "f" requirement.

COURSE NOTE: AME Pathway

*1st Course in 3-Year Pathway.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 10

CO-REQUISITES: If you take this course, you must also take T261 - Photo 2 second semester

T347 Multi Media Production 1

This is the first course in a three-year pathway; increasing advanced levels of material will be introduced at each level. Jobs in this field include media production specialists, animator, sound technician, and video production assistant. The media production skills learned in this course also enhances existing jobs such as graphic artist, photographer, and musician. Self-employment is also possible in the areas of video production, music, animation, and computer graphics. The course will cover the following areas of instruction: audio production and electronic music, video production, computer graphics and animation, desktop publishing, Multi Media productions, and video recorders. Students taking Multi Media will also be assigned to a specific team-taught English 3C/4C course.

This course does not meet the GUHSD Fine Arts graduation requirement; however, it does meet the University of California Elective "g" requirement.

COURSE NOTE: AME Pathway

*2nd Course in 3-Year Pathway.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 11

PRE-REQUISITES: T261 –Photo 1 or T245 Digital Arts 1

CO-REQUISITES: If you take this course, you must also take T348 – Multi Media Production 2 second semester

T357 Television, Film, and Digital Media 1

This is the third course in the three-year pathway. This year-long course introduces students to the business and influence of media and offers training in script writing, pre-production, field production, and post production for television or film. In addition to script writing in different genres and applying all stages of production, students will also become competent in the operation of technical equipment such as a camera and basic digital editing utilizing industry software standards. Students will also learn basic 3 point lighting and audio recording techniques. This class will require basic production crew positions that require collaboration. Students will study and apply design aesthetics in video projects and will develop an appreciation for video production as an art form. This course is articulated with Grossmont Community College.

This course meets the University of California Visual and Performing Arts "f" requirement.

COURSE NOTE: AME PATHWAY

*3rd Course in a 3-Year Pathway.

*Must commit to all 3 years.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 12

PRE-REQUISITE: T347- Multi Media

CO-REQUISITES: If you take this course, you must also take T358 - Television, Film, and Digital Media 2 second semester

CTE Pathways Education, Child Development & Family Service

T645 ECDFS Pathway Teaching and Learning 3

This is the capstone course for students in the CTE Education Pathway. In this course students will build on concepts studied in Teaching and Learning 1/2, going into more depth and complexity. A majority of the class time will be spent in internships in a school setting, allowing students to apply concepts, analyze real life situations, and reflect on their own teaching practice. Non-internship time will focus on research, exploration, and critical analysis of selected topics including: leadership and teaching styles, developmental psychology and implications for education, student guidance and classroom management, conflict resolution and peer mediation, principles of teaching and learning, educational strategies, curriculum development, and special populations. In addition, students will complete literature reviews of current books relating to education, topical research papers and Multi Media presentations to first year pathway classes, case studies, and analytical field work observations and reflections.

This course meets the University of California Elective "g" requirement.

Completion of this pathway with a grade of "B" or above articulates with Grossmont Community College.

COURSE NOTE: ECDFS PATHWAY

*1st Course in a 2-Year Pathway.

*Must commit to pathway for two consecutive years.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 11

CO-REQUISITES: If you take this course, you must also take T646 – ECDFS Pathway Teaching and Learning 2 second semester

CTE Pathways Health Science & Medical Technology

T810 Sports Medicine Pathway I

This is the first year of a two-year pathway that must be taken consecutively. This course provides training in sports medicine and prevention and treatment of athletic injuries. This course will cover the following areas of instruction: CPR, training room operation, exercise physiology, and types of injuries and treatment. Students will gain experience in using tools of the trade (blood pressure cuffs, stethoscopes, elastic wraps, and tapes). Course requirements include personal fitness, participation in extracurricular events, and participation in on-the-job type training. Students must be prepared to take the CPR certification course.

This course is un-leveled and offered to 10th and 11th grade students. This course meets an elective requirement.

This course DOES NOT MEET the GUHSD Life Science or Physical Science graduation requirement.

COURSE NOTE: SPORTS MEDICINE PATHWAY

***1st Course in 2-Year Pathway,**

***Students should have completed Biology 1C/2C or Biology 1H/2H.**

CREDIT: 5 ***TYPE:*** College Prep ***GRADE:*** 10-11

CO-REQUISITES: If you take this course, you must also take T811 - Sports Medicine Pathway 2 second semester

T820 Advanced Sports Medicine Pathway II

This is the second year of a two year pathway; must take Pathway Sports Medicine 1 prior to taking this course. Students in CTE Pathways will have the opportunity to hear from industry guest speakers, participate in community service projects, and go on industry related field trips. This course provides instruction in advanced topics related to the field of sports medicine, advanced anatomy, exercise physiology, and therapeutic modalities. Therapeutic exercise, aquatic rehabilitation, massage, and taping principals will be integrated with the prevention, treatment, and rehabilitation of athletic injuries. This course meets an elective requirement. This course DOES NOT MEET the GUHSD Life Science or Physical Science graduation requirement. ***This course meets the University of California Elective "g" requirement.***

COURSE NOTE: SPORTS MEDICINE PATHWAY

***2nd Course in 2-Year Pathway.**

CREDIT: 5 ***TYPE:*** College Prep ***GRADE:*** 12

PRE-REQUISITE: T811 - Sports Medicine Pathway 2

CO-REQUISITES: If you take this course, you must also take T821 - Sports Medicine Pathway II 2 second semester

CTE Pathways Hospitality, Tourism & Recreation

T431 Foods and Nutrition 1

This course is designed for students who are interested in understanding the principles of nutrition and in maintaining a healthy life style. Attention will be given to the selection and preparing of food and personal health and well-being. Food preparation techniques are integrated throughout the course and related to all selections of study. Units of study include but are not limited to: quick breads, yeast breads, dairy, eggs, meat, poultry, food borne illness, sanitation and safety, table manners and etiquette, and cultural foods. This course does not meet the GUHSD Fine Arts graduation requirement.

This course meets the University of California Elective "g" requirement.

CREDIT: 5 ***TYPE:*** Applied Arts ***GRADE:*** 10-11

CO-REQUISITES: If you take this course, you must also take J020 – Foods and Nutrition 2 second semester

T433 HTR Pathway - Culinary Arts

This year long two-hour blocked course is the equivalent of a two year pathway. Students must commit to the two- hour block for a full year. Students in CTE Pathways will have the opportunity to hear from industry guest speakers, participate in community service projects, and go on industry related field trips. This course provides entry-level training in culinary arts. Employment possibilities include waitress/waiter, cook and cook's helper. Instruction covers the following areas: food service industry, sanitation and safety; tools and equipment; basic principles of food preparation and cooking; portion control; service and presentation. Students use equipment which includes stoves, ovens, broiler, mixer, and other commercial kitchen equipment and tools. Class curriculum includes preparation for the San Diego County Food Handlers card. Students will also have the chance to compete in cooking competitions such as, the annual chili cook-off. This course does not meet the GUHSD Fine Arts graduation requirement.

This course meets the University of California Elective “g” requirement.

COURSE NOTE: HTR PATHWAY

Requires Teacher Approval

CREDIT: 10 *TYPE:* Applied Arts *GRADE:* 11-12

*PREREQUISITE: * Successful completion of J020 - Foods and Nutrition 2 and Algebra IC-1/2

CO-REQUISITES: If you take this course, you must also take T433 – HTR Pathway - Culinary Arts second semester

Non-Departmental Courses

Y485 Advancement Via Individual Determination (AVID)

AVID provides academic instruction and other support to underachieving or underrepresented students to prepare them for admission to the University of California and California State University Systems. AVID uses writing as a tool for learning, college tutoring, collaborative study, seminars in note-taking and organizational skills, and emphasizes mastery of concepts in all subject content areas and preparation for college admission. This course is not included in the 20-credit limit for non-departmental (Y) courses. Students must qualify and meet teachers' selection for program criteria.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 9-10

CO-REQUISITES: If you take this course, you must also take Y485 - Advancement Via Individual Determination (AVID) second semester

Y483 AVID Junior Seminar 1C

AVID Junior Seminar is a preparatory course for AVID Senior Seminar. The year-long course involves substantial critical reading, writing, and research in preparation for external exams for a course in which the student is enrolled, such as Advanced Placement and International Baccalaureate. As with all AVID courses Junior Seminar features tutors, college students who lead discussions and analysis of the academic subjects in which the students are enrolled. The prerequisite is one year previous enrollment in AVID prior to the junior year. Concurrent enrollment in an AP, IB, or college transferable course is required. This course is a prerequisite to AVID Senior Seminar 1C, 2C.

This course does not meet any University of California admission requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 11

PRE-REQUISITE: Y485 - Advancement Via Individual Determination (AVID)

CO-REQUISITES: If you take this course, you must also take Y484 – AVID Junior Seminar 2C second semester

Y487 AVID Senior Seminar 1C

The AVID Senior Seminar is the culmination of a student's years in the AVID program, and the course involves substantial critical reading and writing, preparation for external exams such as Advanced Placement and International Baccalaureate, and weekly Socratic Seminars. Students enrolled in the Senior Seminar are required to complete weekly timed writings and analytical discourses in subjects across the curriculum. In addition, students are required to make oral presentations to the class on topics related to college entrance, contemporary issues, and social concerns. As with all AVID courses the Senior Seminar features tutors, college students who lead discussions and analysis of the academic subjects in which the students are enrolled. Senior seminar students, working with the tutors, are expected to participate in and moderate Socratic Seminars. These discussions move beyond didactic instruction and assist students in gaining multiple perspectives on texts, supporting arguments with clear reasoning and evidence, and developing their critical thinking skills to the degree necessary for success in college.

This course meets the University of California Elective “g” requirement.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 12

PRE-REQUISITE: Y483 - AVID Junior Seminar 1C

CO-REQUISITES: If you take this course, you must also take Y488 – AVID Senior Seminar 2C second semester

Y341 Peer Tutor

This is a one or two-semester program in which the student acts as tutor to students needing special help. After being interviewed and accepted by the teacher, the student is given in-service training in methodology, curriculum, materials, and equipment used in the classroom. Under the supervision of the teacher, the tutor works with small groups of students and is responsible for preparing the presentation of the assigned lesson, directing the exercises for the lesson, and assisting in evaluation. His/her interaction with his/her student provides the individual attention necessary to improve motivation and performance as well as the personal environment that encourages social growth.

COURSE NOTE: This course requires teacher completed Peer Tutor Form.

See guidance department for blank form.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 11-12

Y130 Library Assistant

This is a one or two-semester course in which students will be trained in providing basic Library/Media Center services. This course also has a job training orientation in that attendance, responsibility, accuracy, and initiative are stressed. Under direct supervision of, and instruction by, a credentialed librarian, students will assist in the daily operation of Library/Media Center services.

COURSE NOTE: This course requires teacher completed Library Assistant Form. See guidance department for blank form.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 10-12

R150 Lab Assistant 1

This course is designed for students who have demonstrated unusual capabilities in science and wish to assist the instructors in preparing and conducting a variety of lab experiences as an assistant to the instructor. This course DOES NOT MEET the GUHSD Life or Physical Science graduation requirement and is open to students in grades 11 and 12 with teacher consent.

COURSE NOTE: This course requires teacher completed Lab Assistant Form. See guidance department for blank form.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 11-12

*******PHYSICAL EDUCATION*******

P040 Exercise and Nutrition Science

This two-semester GUHSD required course is designed to provide students with an opportunity to experience physical activity, improve physical and mental health, learn lifetime sports skills, and increase individual fitness and ability. This course takes individual differences into account in the teaching of team sports, individual sports, and fitness. Team, individual sports, fitness, introduction to swim instruction and aerobic activities will be completed.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 9

CO-REQUISITES: If you take this course, you must also take P040 - Exercise and Nutrition Science second semester

P200 Aquatics

This two-semester course highlights the variety of aquatic activities that are available to students. This course could be divided into two or three week units during which time students would learn the principal elements of each activity.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 10-12

PRE-REQUISITE: Previous PE grade of "C" or approval of instructor required.

CO-REQUISITES: If you take this course, you must also take P200 – Aquatics second semester

P350 Aerobic Dance

This course includes aerobic exercises designed to provide continuous movement in presentation, causing an elevated but safe heart rate for 30 to 45 minutes. Instruction in the relationship of cardiovascular health to overall fitness will be included. Students will be engaged in low-impact aerobic dance, fast walking, jogging, stair climbing, weight training, and Tae-Bo. Spring semester offers hiking, instruction in yoga and other dance skills, as well as aqua aerobics.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 10-12

PRE-REQUISITE: Previous PE grade of "B" or approval of instructor required.

CO-REQUISITES: If you take this course, you must also take P350 - Aerobic Dance second semester

P460 Physical Fitness (Walking)

A course designed to improve the cardiovascular system of the student. In addition to concentrating on students' muscle tone and strength, students will also receive information on how the body functions and how to set up a personalized physical fitness program.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 10-12

CO-REQUISITES: If you take this course, you must also take P460b – Physical Fitness second semester

P475 Weight Training

This course is designed to add bulk and/or strength to the student. Instruction will be directed toward individual goals of the students.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 10-12

PRE-REQUISITE: Previous PE grade of "B" or approval of instructor required.

CO-REQUISITES: If you take this course, you must also take P475 - Weight Training second semester

P476 Advanced Weight Training

This course is designed for the lifter who is interested in moving to the next strength level. Students will be required to focus on the Olympic bench press, squat, power clean, and the trap bar. Students will be instructed daily and tested every six weeks in the following areas: bench press, squats, power clean, hip sleds, military press, barbell curls, sit-ups, pushups, and dips. Prerequisite: Weight Training or demonstrated ability and knowledge.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 10-12

CO-REQUISITES: If you take this course, you must also take P476 – Advanced Weight Training second semester

EXEMPT Met by Sport

Students who have played a sport or participated in Marching Band in 10th and/or 11th grade may be exempt from taking a PE course. Students do not receive credits for playing a sport, although the system will erroneously issue 5 for each slot at this time.

CREDIT: 5 *TYPE:* College Prep *GRADE:* 12

P600 Team Sports

A course designed to teach the beginning/intermediate student skills in one or more team sports. Included will be instruction in skills, knowledge of strategies and rules.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 10-12

CO-REQUISITES: If you take this course, you must also take P600B – Team Sports second semester

This course does not meet Physical Education credit, it meets elective credit.

P658 Volleyball

A course designed to teach the beginning/intermediate student skills in the sport of volleyball. Included will be instruction in skills, knowledge of strategies and rules of volleyball.

CREDIT: 5 *TYPE:* Applied Arts *GRADE:* 10-12

CO-REQUISITES: If you take this course, you must also take P659B – Team Sports second semester

This course does not meet Physical Education credit, it meets elective credit.

*******INTERNATIONAL BACCALAUREATE*******

E361 English 1 International Baccalaureate HL1

This course is the first year of a two-year sequence that will introduce students to university level work in English Language and Literature. Students are prepared for the IB exam that consists of a series of oral and written assessments that take place over both years in this unique course of study. Most universities offer 8 quarter or 6 semester units of credit for successful completion of the optional IB Literature exams. Students will learn to work independently on literary comparisons that are concerned with a personal response to literature. They will learn to express ideas with clarity, coherence, conciseness, precision, and fluency in both written and oral communication. Texts for this course are more global in nature and students will gain an understanding of written communication that is more internationally focused.

This course meets the University of California English “b” or Elective “g” requirement.

COURSE NOTE: International Baccalaureate English is a two-year sequence that replaces state mandated English in the Junior and Senior years.

For summer assignments see the Granite Hills web page at granite.guhsd.net

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 11

CO-REQUISITES: If you take this course, you must also take E362 - English 2 International Baccalaureate HL1 second semester

E363 English 3 International Baccalaureate HL2

This course is the second year of a two-year sequence that will introduce students to university level work in English Language and Literature. Students are prepared for the IB exam that consists of a series of oral and written in this unique course of study. Most universities offer 8 quarter or 6 semester units of credit for successful completion of the optional IB Literature exams. Students will learn to work independently on literary comparisons that are concerned with a personal response to literature. They will learn to express ideas with clarity, coherence, conciseness, precision, and fluency in both written and oral communication. Texts for this course are more global in nature and students will gain an understanding of written communication that is more internationally focused.

This course meets the University of California English “b” or Elective “g” requirement.

COURSE NOTE: International Baccalaureate English is a two-year sequence that replaces state mandated English in the Junior and Senior years.

For summer assignments see the Granite Hills web page at granite.guhsd.net

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 12

PRE-REQUISITE: E362 - English 2 International Baccalaureate HL1

CO-REQUISITES: If you take this course, you must also take E364 - English 4 International Baccalaureate HL2 second semester

G033 French Language 1 International Baccalaureate SL

This college level two-semester course is intended for 11th and 12th grade students. The goal of the class is to develop the reading, writing, oral, and listening skills of the IB French students so they are prepared for the IB Examination-Standard Level. This course will draw from the following three themes: exploring change; exploring groups; and exploring leisure. Students will read, view, and discuss literature, current journals, Internet sites, newspapers, textbooks, and television news programs. ***This course meets the University of California Foreign Language "e" or Elective "g" requirement.*** Students taking this course are expected to take the Standard Level French IB test in May for a fee.

COURSE NOTE: Teacher recommendation required.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 11-12

PRE-REQUISITE: G016 - French 6C

CO-REQUISITES: If you take this course, you must also take G034 - French Language 2 International Baccalaureate SL second semester

G035 French 1 International Baccalaureate HL1

This course focuses on cultural and literary topics and includes a review of all grammatical concepts. New vocabulary is introduced through readings about a variety of subjects including legends, short stories, magazine articles, politics, entertainment, ecology, and the environment. Emphasis is placed on francophone literature and cultures from around the world. Cultural topics include French holidays, media, and leisure time in Europe and other francophone countries. Readings include literary works such as the Phantom of the Opera. Oral presentations and debates are required of all students as part of the IB curriculum. Extensive listening activities from CD's and DVD's provide students with the opportunity to hear normal conversational French. Assessment techniques include journal writings, tests, quizzes, homework assignments, oral presentations, and essays.

This course meets the University of California Foreign Language "e" or Elective "g" requirement.

COURSE NOTE: Teacher recommendation required.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 11

PRE-REQUISITE: G014 - French 4C

CO-REQUISITES: If you take this course, you must also take G036 - French 2 International Baccalaureate HL1 second semester

G037 French 3 International Baccalaureate HL2

This two-semester college level course focuses on advanced conversation, reading, and grammar. This course reflects a more advanced and intense study in French. ***This course meets the University of California Foreign Language "e" or Elective "g" requirement.*** Students taking this course are expected to take the Higher Level French IB test in May for a fee.

COURSE NOTE: Teacher recommendation required.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 12

PRE-REQUISITE: G036 - French 2 International Baccalaureate HL1

CO-REQUISITES: If you take this course, you must also take G038 - French 4 International Baccalaureate HL2 second semester

G303 Spanish Language 1 International Baccalaureate SL

The goal of this two-semester course is to develop the reading, writing, oral and listening skills of the IB Spanish students so they are prepared for the IB Examination – Standard Level. This course will draw from the following three themes: exploring change; exploring groups; and exploring leisure. Students will read, view, and discuss literature, current journals, Internet sites, newspapers, textbooks, and television news programs.

This course meets the University of California Foreign Language “e” or Elective “g” requirement. Students taking this course are expected to take the Spanish IB test in May for a fee.

COURSE NOTE: Teacher recommendation required.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 11-12

PRE-REQUISITE: G274 - Spanish 4C

CO-REQUISITES: If you take this course, you must also take G304 - Spanish Language 2 International Baccalaureate SL second semester

G305 Spanish 1 International Baccalaureate HL1

This two-semester course focuses on cultural and literary topics and includes a review of all grammatical concepts. New vocabulary is introduced through readings about a variety of subjects including legends, short stories, magazine articles, politics, entertainment, ecology, and the environment. Emphasis is placed on literature and cultures from around the world. Cultural topics include Spanish holidays, media, and leisure time in Spanish countries. Oral presentations and debates are required of all students as part of the International Baccalaureate curriculum. Extensive listening activities from CD's and DVD's provide students with the opportunity to hear normal conversational Spanish. Assessment techniques include journal writings, tests, quizzes, homework assignments, oral presentations, and essays.

This course meets the University of California Foreign Language “e” or Elective “g” requirement.

COURSE NOTE: Teacher recommendation required.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 11

PRE-REQUISITE: G274 - Spanish 4C or Spanish for G341 - Spanish for Spanish Speakers 4C

CO-REQUISITES: If you take this course, you must also take G306 - Spanish 2 International Baccalaureate HL1 second semester

G307 Spanish 3 International Baccalaureate HL2

This college level course is designed for the third year of Spanish. This course reflects an advance and intense study of Spanish. The goal of the class is to develop reading, writing, oral, and listening skills of the IB Spanish students so they are prepared to take Spanish IB HL2. This course will draw from the following three themes: exploring change, exploring groups and exploring leisure. Students will read, view and discuss literature, current journal, Internet sites, newspapers, textbooks, short stories and television news programs.

This course meets the University of California Foreign Language “e” or Elective “g” requirement.

COURSE NOTE: Teacher recommendation required.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 11-12

PRE-REQUISITE: G304 - Spanish Language 2 International Baccalaureate SL

CO-REQUISITES: If you take this course, you must also take G308 - Spanish 4 International Baccalaureate HL2 second semester

L275 Film 1 International Baccalaureate HL1

This first-year course is an intensive two-year course designed to introduce students to the complexities of the study of film as an art form. Students will analyze in-depth several aspects of film including the literary, dramatic, and cinematic aspects of producing films of varying lengths, from short documentary pieces to longer, epic works. Students will also experience the detailed planning and degree of discipline that are required to produce their own short films. Because of the production nature of this class and the need for sophisticated production equipment and editing software, as well as the collaborative structure of film production, time outside of the regular school day may be necessary to complete required projects.

This course meets the GUHSD Fine Arts graduation requirement and the University of California Visual and Performing Arts “f” or Elective “g” requirement. This course does not receive University of California honors status.

COURSE NOTE: Parent permission is required to view “R” rated films.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 11

CO-REQUISITES: If you take this course, you must also take L276 – Film 2 International Baccalaureate HL1 second semester

L277 Film 3 International Baccalaureate HL2

This second-year course is an intensive two-year course designed to introduce students to the complexities of the study of film as an art form. Students will analyze in-depth several aspects of film including the literary, dramatic, and cinematic aspects of producing films of varying lengths, from short documentary pieces to longer, epic works. Students will also experience the detailed planning and degree of discipline that are required to produce their own short films. Because of the production nature of this class and the need for sophisticated production equipment and editing software, as well as the collaborative structure of film production, time outside of the regular school day may be necessary to complete required projects.

This course meets the GUHSD Fine Arts graduation requirement and the University of California Visual and Performing Arts “f” or Elective “g” requirement.

COURSE NOTE: Parent permission is required to view “R” rated films.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 12

PRE-REQUISITE: L276 - Film 2 International Baccalaureate HL1

CO-REQUISITES: If you take this course, you must also take L278 – Film 4 International Baccalaureate HL2 second semester

M580 Mathematical Studies 1 International Baccalaureate SL

This year long course provides the students with the ability to apply mathematical applications to make decisions based on data presented by graphs, functions, tables, charts, etc. and communicate information in a clear and logical manner. The objectives for this course will be met in geometry, algebra II, and pre-calculus courses for students who will be demonstrating the applications of mathematics to life in a technical society. This course is for students with varied abilities to gain confidence and appreciation for mathematics in their future studies.

This course meets the University of California Mathematics “c” or Elective “g” requirement.

COURSE NOTE: Prerequisite: Grade of "C" or above in Pre-Calculus Mathematics 1C-2.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 12

PRE-REQUISITE: M517 - Pre-Calculus Mathematics 1C-2

CO-REQUISITES: If you take this course, you must also take M581 - Mathematical Studies 2 International Baccalaureate SL second semester

M582 Mathematics 1 International Baccalaureate SL

This yearlong course will provide a sound mathematical basis in preparation for further studies in mathematically related fields such as chemistry, economics, geography, and business administration. This course is a demanding program containing a variety of topics that requires some background knowledge in math and an ability to apply various mathematical methods of reasoning and thought in many situations. The objectives for this course will be met in pre-calculus, calculus, and statistics courses for students who need a moderate background of mathematical thought for other technical studies. Students who are considering further studies in the biological sciences, chemical sciences, economics, and psychology should consider taking this course.

This course meets the University of California Mathematics “c” or Elective “g” requirement.

COURSE NOTE: Prerequisite: Grade of "B" or above in Algebra IIB-2.

From granite.guhd.net see Mrs. Sweat's teacher page for summer assignments.

It is mandatory to take Calculus in 12th grade since this is when students will take the IB test.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 11

PRE-REQUISITE: M455 - Algebra IIB-2

CO-REQUISITES: If you take this course, you must also take M583 - Mathematics 2 International Baccalaureate SL second semester

R235 Biology 3 IB HL

This course is designed to provide necessary lab hours required for Biology 1/2 HL IB course. The course will incorporate interdisciplinary group 4 projects. It will also cover the concept of cell biology and genetics.

Prerequisites: Biology 1C/2C or Biology 1H/2H, Chemistry 1C/2C or Chemistry 1H/2H, and Physiology 1H/2H

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 12

CO-REQUISITES: If you take this course, you must also take R236 – Biology 4 IB HL second semester

R333 Environmental Systems and Societies 1 IB SL

This two-semester trans-disciplinary course falls under the Experimental Science - Subject Group 4 and Individuals and Societies - Subject Group 3. This course is unique in that it contains various sciences, coupled with a societal viewpoint, all intertwined to help students understand the environment and its sustainability. The purposes of this course is to expose students to the interrelationships of the environment and societies, and the nature of their interactions, so that they can make an informed personal response to a wide range of pressing global issues. This course requires field experiences which will further extend the interrelationships between the environment and societies. Students will consider the interdependence of peoples, communities and nations around the world as governmental and non-governmental agencies work to manage and preserve the resources of our globe's environment.

This course meets the University of California Elective "g" requirement.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 11-12

CO-REQUISITES: If you take this course, you must also take R334 - Environmental Systems and Societies 1/2 IB SL second semester

S096 History 1 International Baccalaureate HL1

This course is designed as an honors level course under the guidelines and rubric of the International Baccalaureate curriculum. It is a two-semester course meant for students enrolled in the IB diploma and certificate programs. The course meets the California State requirements for United States history at the honors level, but includes Canada, Central and South American history from the colonial period to the present. Political, economic, social, religious and cultural themes will be examined via primary source documents, lectures, class discussions, several required texts and a variety of articles from educational journal. This course will examine the invasion process, and the societies that resulted from the collision of two old worlds and their evolution to present day interactions. Students will acquire and understand a historical knowledge of the Americas, develop an appreciation and understanding of history as a discipline and will grow to appreciate people living in diverse places and different times.

This course meets the University of California History/Social Science "a" or Elective "g" requirement.

COURSE NOTE: History of the Americas is a two-year sequence that replaces state mandated U.S. History 1/2, Economics 1, and Government 1. Failure to complete this two-year sequence may require students to take additional social science courses for graduation or college admission.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 11

CO-REQUISITES: If you take this course, you must also take S097 - History 2 International Baccalaureate HL1 second semester

S192 History of the Americas 1 International Baccalaureate HL2

This course is offered as an honors level course under the guidelines and rubrics of the International Baccalaureate curriculum. It is a yearlong course meant for students enrolled in the IB certificate and diploma programs. This course meets California requirements for American Government but also includes the governments and politics of Russia, China, France, Great Britain, Mexico, Nigeria, and India. The content and themes focus on 20th Century history (as suggested in the IB Group 3/Higher Level History syllabus) as well as the government cases mandated by the AP Comparative Government exam.

This course meets the University of California History/Social Science "a" requirement.

COURSE NOTE: History of the Americas is a two-year sequence that replaces state mandated U.S. History 1/2, Government, and Economics. Failure to complete this two-year sequence may require students to take additional social science courses for graduation or college admission.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 12

PRE-REQUISITE: S097 History 1 International Baccalaureate HL1

CO-REQUISITES: If you take this course, you must also take S193 - History of the Americas 2 International Baccalaureate HL2 second semester

S098 Theory of Knowledge 1 International Baccalaureate (TOK)

This honors level course is the capstone of the International Baccalaureate program and is an interdisciplinary requirement intended to stimulate critical reflection on the knowledge and experience gained inside and outside the classroom. This course challenges students to question the bases of knowledge, to be aware of subjective and ideology biases, and to develop the ability to analyze evidence that is expressed in rational argument. It is a key element in encouraging them to appreciate other cultural perspectives.

This course meets the University of California Elective “g” requirement.

CREDIT: 5 *TYPE:* International Baccalaureate *GRADE:* 12

CO-REQUISITES: If you take this course, you must also take S099 - Theory of Knowledge 2 International Baccalaureate (TOK) second semester

IMPORTANT INTERNET SITES FOR HIGH SCHOOL STUDENTS
College Information/Testing Information

College Searches and Information

<u>ACT</u>	http://www.actstudent.org/	Register for ACT tests; college and career planning tips
<u>California Colleges</u>	www.californiacolleges.edu	Web site for researching colleges and universities in California
<u>College Board</u>	www.collegeboard.org/	Register for SAT tests; do college searches, apply for financial aide
<u>Cappex</u>	www.cappex.com/	Search for and compare colleges, apply for scholarships
<u>Khan Academy</u>	https://www.khanacademy.org/sat	Free personalized SAT practice
<u>Petersons – Colleges and Universities</u>	www.petersons.com	Information on financial aide, comparing colleges, college entrance exams

<u>Princeton Review</u>	www.princetonreview.com	Lots of information about SAT Prep, college applications, college searches, etc.
<u>Western Undergraduate Exchange/ Western Interstate Commission For Higher Education</u>	http://wiche.edu/wue	Information on possible out of state tuition reduction and participating universities.

College Applications

<u>California State Universities</u>	www.csumentor.edu	Apply to CSU schools online
<u>University of California</u>	www.universityofcalifornia.edu/admissions	Apply to UC schools online
<u>Private Schools</u>	https://www.commonapp.org/	Apply to private schools

Career Search/College Search and Information

<u>Career Cruising</u>	www.careercruising.com	Search Careers and Colleges online
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