

Barstow High School

Planning Guide

2017 – 2020

Barstow High School Planning Guide
Table of Contents

Graduation Requirements 2017 – 2020 3

Math Sequence 4

Registration Reminders 4

Career Technical Education (CTE) 5

The Honors Program (Pre AP and AP Classes) 5

Looking Ahead 6 - 8
- Community College 6
- California State University and Colleges 6
- The University of California 6
- Subject Requirements for UC/CSU 7
- Scholarship Requirements 7
- Examination Requirements 7
- Private and Out of State Public College 8

College Planning by Grade 8 – 9

College Tests 10

Career Center 10

NCAA Eligibility 11 – 12

Four-Year Planning 13

Withdrawal from Classes 13

Valedictorian / Salutatorian Selection Policy 13

Choice of Academy 14

Sample Course Selection Form 15

Course Descriptions by Department 16 – 52
- English 16 – 19
- Mathematics 20 – 23
- Physical Education 24 – 26
- Science 27 – 29
- Social Studies 30 – 33
- Fine Arts 34 – 38
- Applied Arts 39 – 42
- Career Technical Education (CTE) 43 – 50
- Miscellaneous 51 – 53

Graduation Requirements
Class of 2017 – 2020

Students must have 220 semester credits to receive a diploma from Barstow High School.

Subject Matter Requirements:

English	**40 credits**
English 1	10 credits
English 2	10 credits
English 3	10 credits
English 4	10 credits

Mathematics	**30 credits**
Integrated Math I	10 credits
Other Math	20 credits

Completion of all Algebra I standards, verified by the Junior High School staff, reduces the high school mathematics requirement to 20 credits. [BP 6146.1(a)]

Social Studies	**30 credits**
World History/Geography (grade 10)	10 credits
United States History (grade 11)	10 credits
American Government/Economics (grade 12)	10 credits

Physical Education	**20 credits**
PE 9	10 credits
Advanced PE	10 credits

Enrollment required in grade 9 in PE 9 with Advanced PE taken any time between grades 10 and 12. Athletic Waiver for Advanced PE only. 10 additional elective credits must be taken if an athletic waiver is issued.

Science	**20 credits**
Physical Science	10 credits
Life Science	10 credits

Biology fulfills the life science requirements. Intro to Physical Science, Chemistry, Chemistry 2 or Physics fulfills the physical science requirement.

Fine Arts **10 credits (**May be a year of foreign language)

Health **5 credits (**Embedded in PE 9 during semester 2)

Electives **55 credits (**Maximum clerical services credits = 20)

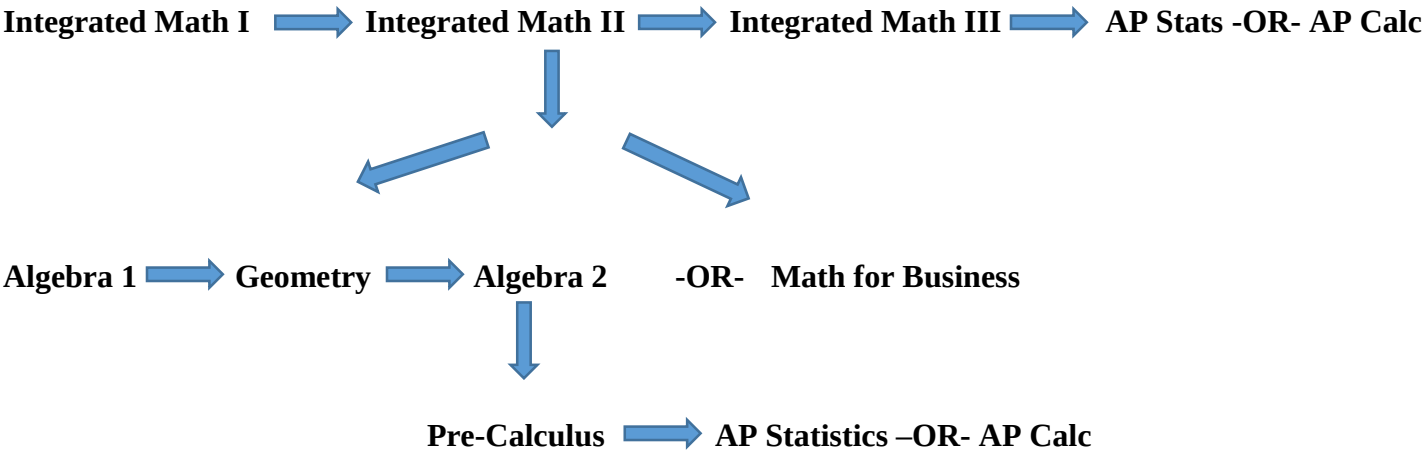
TOTAL CREDITS **220 credits**

Class Standing Formula:

Freshman	10 – 70 credits
Sophomore	70 – 140 credits
Junior	40 – 210 credits

Barstow High School
Math Sequence

Three years of math are required for graduation. Four years are recommended, especially if students want to be eligible for entrance into a university or into any competitive work place.



Registration Reminders

Every effort will be made to assure that students are enrolled in the classes they request. However, it must be understood that classes may be canceled because of lack of enrollment, and staffing sometimes change the courses they teach.

Students who have been identified special needs will have extra assistance available to them.

When choosing the classes you want to register for, use the course selection form provided by the guidance department. Please choose your classes carefully! We build our class offerings every year based on your requests.

If you haphazardly make choices, and then change your mind after attending that class for a few days, you will not be permitted to change classes. When choosing electives, we will always ask you to also choose several alternate classes. If your first choice class is not offered for some reason, or it doesn't fit into your schedule, we will then go to your alternate choices. If you do not provide alternate choices, we will choose one for you. In this case, you will have to take the course(s) that were selected for you. Choose carefully!

Other Individual Programs at BHS
Career Technical Education
(CTE)

Career Technical Education (CTE) is a program of study that involves a multiyear sequence of courses that integrates core academic knowledge with technical and occupational knowledge to provide students with a pathway to postsecondary education and careers. Barstow High School has developed an education and career plan aligned with student goals within three academies; STEM, Mojave XP, and Valor, and each academy focuses its efforts on ensuring students are career and college ready and prepared for future careers. Students enroll in an academy based on the career interests and available courses of study at the high school. Many CTE courses meet elective graduation requirements as well as prepare students for certifications, employment, and two or four-year college classrooms. Career Technical Education (CTE) program is designed to help create pathways that lead to an associate or baccalaureate degree or a post-secondary certificate in a specific career field. Students combine high school and ROP/CTE classes, real-world experience, and/or college classes, to form a balanced and practical educational experience. Students are challenged to meet rigorous academic standards and experience hands-on learning in articulated secondary CTE courses within this model. Career Pathways are based on Industry Sectors and Barstow High School offers curriculum and training in the following areas:

Arts, Media, and Entertainment
Building and Construction Trades
Engineering and Design
Fashion and Interior Design
Health Science and Medical Technology
Hospitality, Tourism, and Recreation/Culinary Arts
Information Technology
Manufacturing and Product Development
Public Services
Transportation

The Honors Program
Pre AP and AP Classes

In an effort to encourage our students to take demanding, advanced academic work, Barstow High School offers courses designated as "Pre AP" and "AP". Pre AP courses are courses that help prepare students for the upcoming AP courses. AP courses are college-level courses that are taught here at Barstow High by our faculty members.

Because of the strenuous academic requirement of AP classes, those classes are weighted. Students who have taken AP classes and have done very well may have a grade point average that is above a 4.00 (Pre AP classes are NOT weighted). AP classes are weighted as follows:

A = 5 Points, B = 4 Points, C = 3 Points, D = 1 Point

Read the course description section of this book carefully to be aware of the AP courses that are offered in a variety of subject areas at Barstow High:

AP Micro Economics / U. S. Government and Politics
AP Biology
AP Calculus
AP Statistics
AP Psychology
AP U. S. History
AP English Literature / Composition
AP English Language and Composition
AP Computer Science A
AP Environmental Science

Looking Ahead

High school course selection is a vital part of preparing for college. Because admission requirements are changing and expectations for college preparation are increasing, we encourage you to pay close attention to the descriptions given below of California's three-tiered system of public education.

All other colleges may have different entrance requirements. Contact any colleges you are interested in attending for their entrance requirements.

The Community Colleges

California is fortunate in having many state-supported community colleges. One is right here in Barstow; Barstow Community College. Eligibility for admission to a community college while a student at Barstow High, requires a student to obtain a concurrent enrolment form online at www.barstow.edu and show that he/she can profit from a community college education, with the Principal's approval. There are no specific subject or grade point averages required for admission. However, all students must complete a college placement test before registration when enrolling for more than six units or enrolling for English or mathematics courses. Test results are used in placing students only and admission to the college does not depend upon the scores achieved.

Students at the community college, who plan to transfer as juniors to a four-year college, will take regular lower division college work which will give the AA/AS degree (Associate of Arts/Associate of Science) and prepare them for entrance as a junior to the college of their choice. The most assured method of transfer as a junior to any UC campus is through the community college system.

For students who do not plan on four years of college, the community college offers two-year programs in a variety of vocational fields. These programs may lead to an AA/AS degree.

For more information on what Barstow Community College has to offer, visit their website at www.barstow.edu.

The California State University and Colleges

Ranging from Humboldt near the Oregon border to San Diego on the Mexican border, the twenty-three campuses of the California State University and Colleges, with an enrollment exceeding 405,000 students, a faculty of 44,000, and more than 1,100 degree programs, constitute the largest system of higher education in the Western World.

Entrance requirements are designed to admit 33% of the graduates of California high schools. First-time freshmen need to meet grade point average/test score requirements. In addition, specific subjects in high school (college prep courses) must be completed with grades of C or better for admission.

The University of California

In just over a century, the University of California has become one of the world's largest and most distinguished centers of higher education. When it first opened in the spring of 1868, the University consisted of ten teachers, thirty-eight students, and a temporary campus. Today, its ten campuses extend from Davis in the North, to San Diego in the South.

Each University campus makes every effort to provide a place for all California resident applicants who meet the minimum admission requirements, and who file an application during the appropriate filing period (November 1 – 30 for fall of the following year).

However, if the number of applicants exceeds the spaces available for a particular campus or major as is often the case, the campus uses criteria that exceed the minimum requirements to select students. Meeting the minimum requirements, therefore, does not guarantee admission to any UC campus and/or program.

The University has entrance requirements designed to admit the upper 12 and 1/2 % of graduates from California high schools. To be eligible for consideration for admission to freshman standing, an applicant must meet the subject, scholarship and examination requirements.

Subject Requirement – University of California / California State University
To satisfy this requirement, students must have successfully completed a specific sequence of high school courses in the subjects listed on the next page.

These required high school courses are called the "a-g subjects". To be accepted by the UC/CSU, they must appear on a list certified by the high school principal as "Courses to Meet Requirements for Admission to the University of California"/California State University. This list is available in the counseling office. They are also marked with (U/C) in the "Course Description" section of this handbook next to the title of the class. However, this is only a general guideline. If you are interested in attending a UC, it is advised that you check with the individual campus concerning your transcript.

Students must take 15 units of high school courses to fulfill the subject requirement. A unit is equal to an academic year, or two semesters of study. At least 7 of the required 15 units will have to be taken in the last two years of high school. Elective courses in academic subjects give students an added opportunity to strengthen preparation or undergraduate work.

Minimum Entrance Requirements for UC and CSU
"A – G"

a)	History and Social Science	2 years required
b)	English	4 years required
c)	Mathematics	3 years required
d)	Laboratory Science	2 years required
e)	Foreign Language (not English)	2 years of the same language required
f)	Visual or Performing Arts (Art, Music, Drama, Photo)	1 year required
g)	College Preparatory Electives	1 year required

Students entering the University of California system must satisfy the VPA requirement by completing an appropriate single course in a year-long sequence (i.e., the second semester must be the continuation of the first semester, requiring the first semester as a prerequisite).

Scholarship Requirement – University of California / California State University
D and F grades: D and F grades in the "a – g" courses used to meet minimum requirements must be repeated. In mathematics, foreign language and chemistry only, a 2nd semester grade of C or better may validate D and F grades from 1st semester in the same course. Consult with your counselor to determine how these grades can be improved and how the University will use them in evaluating your scholarship record. Any repeated courses in which a student received a D or higher grade, the student will earn the additional grade but no credit.

Examination Requirement
All college freshman applicants must submit test scores as described below.

Either the Scholastic Assessment Test I: Reasoning Test (SAT I) or the ACT (Plus Writing) Assessment (ACT). The verbal, writing and mathematics scores on the SAT I (Plus Writing) must be from the same sitting. The ACT overall score is used.

The Scholastic Assessment Test II: Subject Tests (SAT II), including writing, mathematics level I or IC or IIC, and one test in one of the following areas; English literature, foreign language, science, or social studies.

NOTE:

As mentioned before, meeting these requirements may not qualify you for admission to certain campuses and programs that are oversubscribed. Such programs and campuses may require higher levels of scholarship. Outstanding personal achievements may also be considered. We encourage students to go beyond the minimum requirements whenever possible.

Private and Out of State Public Colleges

The United States has more than 3,000 colleges and universities to choose from, and a number of our students look to private colleges throughout the country as well as public colleges outside California.

Each college has a separate personality that sets it apart. A few are highly selective, admitting less than one of every six applicants, while others admit a majority of those who apply. The task of the applicant is to find out the admission's requirements of the colleges to which he/she wants to apply as early as possible. This information is available online at each sites website.

College Planning

Graduation, College and Career Planning

Freshman Year (Grade 09):

1. Participate in the occupational assessment that is given in your English class. This will help you focus your goals and course choices toward your identified career strengths.
2. Read and understand this planning guide. Ask your counselor or teachers if you don't understand any area of the guide.
3. Students may want to take the PSAT that is given in October each year. This is only given one time each school year. It's a good way to become familiar with this type of testing environment. It may enhance your chances of doing well on the SAT which you will take later, but doesn't qualify you for the scholarship until it is taken during grade 11.
4. Join a club or activity at Barstow High. This is a great way to create a sense of belonging to our school. Employers and college entrance staff also like to see a well-rounded person who is willing and able to go beyond the expected levels of academic participation.
5. See your counselor if you are having other problems that are getting in the way of your success. Counselors are here to listen.

Sophomore Year (Grade 10):

1. Attend the sophomore counseling planning session with your counselor and/or teacher. This may be an individual appointment or done in a group format with your counselor or in your English or social studies class. It is most beneficial if your parent/guardian attends this meeting with you. We will together reevaluate career and educational goals and take a closer look at classes you should take for the next two years at Barstow High.
2. Participate in the career component in your English 2 class. This will involve researching careers of interest and educational requirements for those careers.
3. You may want to take the PSAT that is given in October each year. This is only given one time during the school year. It's a good way to become familiar with this type of testing environment. It may enhance your chances of doing well on the SAT which you will take later, but doesn't qualify you for the scholarship until it is taken during grade 11.

4. Visit our Career Center for additional resources on careers and colleges. Check out some information to take home and share with your parent/guardian.
5. See your counselor if you are having other problems that are getting in the way of your success. Counselors are here to listen.

Junior Year (Grade 11):

1. If you want to be eligible for a four-year college, this year is critical! Make sure you continue to take all the correct college preparatory classes. It is very easy to get off track or get discouraged. Talk to your parent/guardian and see your counselor for support and guidance.
2. Sign up for the PSAT in October. It is the 11th grade scores that count on the PSAT. The National Merit Scholarship Foundation will offer scholarships based on your 11th grade scores.
3. Take the SAT I or ACT, or both. Take the SAT II if you are in any AP class. Register online at www.collegeboard.org or www.actstudent.org. Testing is available in January, March or June of your junior year.
4. Continue to check resources in the guidance office and Career Center for college and career information. Research is at your fingertips through the internet as well. We can show you how to search for college/career information in the Career Center.
5. This is the time to get serious investigating college costs and visiting colleges with your parent/guardian. Any time you get out of town with your parent/guardian check your map to see if there are colleges in that area to visit. It is very important to see first-hand the differences in college campuses before sending your applications out.
6. See your counselor if you are having other problems that are getting in the way of your success. Counselors are here to listen.

Senior Year (Grade 12):

1. Attend your senior evaluation appointment with your counselor. This is critical! We will go over exactly what classes and how many credits you need in order to graduate on time. We will make sure you are signed up for those classes and use this time to get information from you for your high school diploma.
2. Finalize a resume to use for employment opportunities.
3. Get a letter of recommendation from a significant person (usually someone who knows you such as a teacher, employer, pastor, counselor, etc.) to use for your employment and/or college purposes. You MUST give that person at least two weeks' notice to write your letter of recommendation. Make sure to provide that person with vital information about yourself (this can come from your resume or from the personal data form found on the BHS website or career center).
4. Apply to the universities/colleges of your choice online. Online applications are more fool proof than paper applications. The filing period for many college applications is November 1 – 30. These applications take time to fill out properly, so give yourself a couple of weeks to do so. If you wait until the last minute and make a mistake, it can cost you admission to the college of your choice.
5. Take the SAT I or ACT in October and take the SAT II in November. SAT II is required for applying to the University of California system. Register online at www.collegeboard.org or www.actstudent.org.
6. If the college you are applying to requires official high school transcripts, you must pick up a request form from the Barstow High registrar in the Guidance Office. This requires a parent signature. Again, don't wait until the last minute. See the registrar at least one week before you plan on mailing out your application.
7. Scholarships are available on our website. A plethora of local scholarships are available on our website as well. Make sure to check back frequently for the most up to date information.
8. See your counselor if you are having other problems that are getting in the way of your success. Counselors are here to listen.

College Tests

PSAT: Grades 09, 10, 11:
The result of *The Preliminary Scholastic Aptitude Test/National Merit Qualifying Test* is a prediction of your achievement on the SAT I and an estimation of admission to and academic success in college. It is also a qualifying test (taken during your junior year) for National Merit Scholarships and provides an opportunity to receive information from colleges. This test is administered in October at Barstow High School. Student may register for this test in October in the Guidance Office during the month of September. The PSAT may be taken before grade 11 as practice, but a student may qualify for the scholarship when taken in the 11th grade.

SAT I Reasoning Test:
The Scholastic Assessment Test I is new and includes a reading, writing, language and math test. The SAT I has an optional essay component, which some colleges will require as part of their admissions process. SAT I questions focus on skills that matter most for college readiness and success, according to the latest research. Register online at www.collegeboard.org.

SAT II Subject Test:
The Scholastic Assessment Test II is a series of one hour subject tests measuring achievement in more than 18 areas such as writing, languages, math, science, and history. Highly recommended by UC campuses and some private colleges, they are used in the admission process and for course placement.

ACT:
The American College Test is similar to the SAT I and is required instead of the SAT I by some colleges, particularly those located in the mid-west and south. Register online at www.act.org.

AP Exams: Grades 11, 12:
Advanced Placement Tests may be taken in different subject for the purpose of gaining college credit and/or for advanced college standing (at the discretion of the academic institution). Test are given at Barstow High during the month of May for students currently enrolled in the AP program. Students must sign up for these testes in early spring in the Guidance Office.

Career Center
Located in Main Hall, the Career Center is open for students and parents as a resource for extensive information about college, scholarships, financial aid, testing and careers. The Career Center Technician is available to assist students in locating desired information in any of these areas.

Examples of some of the materials and services available to students in the center are; presentations by college representatives, guest speakers from local businesses, online programs such as Eureka, free access to the internet, UC and CSU and private college applications, SAT I, SAT II, and ACT test information, financial aid applications, and part-time employment opportunities posted on a job board.

The Career Center is available to assist students in finding information on the following:

- Scholarships
- ASVAB Book 5 (test prep)
- Colleges with programs for students with learning disabilities
- SAT/ACT registration
- NCAA registration
- Top colleges for science studies
- Summer travel, study abroad programs
- Occupational outlook information
- Career help on teaching, computers, business and health

NCAA Eligibility Center

Division I Academic Requirements

College-bound student-athletes will need to meet the following academic requirements to practice, receive athletics scholarships, and/or compete during their first year.

Core-Course Requirement
Complete 16 core courses in the following areas: • 4 years of English • 3 years of math (Algebra I or higher) • 2 years of natural/physical science (1 year of lab if offered) • 1 year of additional English, math or natural/physical science • 2 years of social science • 4 years of additional courses (any area above, foreign language or comparative religion/philosophy)

Full Qualifier	Academic Redshirt
• Complete 16 core courses: ▪ Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school ▪ Seven of the 10 core courses must be in English, math, or science	• Complete 16 core courses
• Earn a core-course GPA of at least 2.300	• Earn a core-course GPA of at least 2.000
• Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see back page)	• Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see back page)
• Graduate high school	• Graduate high school

Full Qualifier: College-bound student-athletes may practice, compete and receive athletics scholarship during their first year of enrollment at an NCAA Division I school.

Academic Redshirt: College-bound student-athletes may receive athletics scholarships during their first year of enrollment and may practice during their first regular academic term but may NOT compete during their first year of enrollment.

Nonqualifier: College-bound student-athletes cannot practice, receive athletics scholarships or compete during their first year of enrollment at an NCAA Division I school.

NCAA Eligibility Center

Test Scores

When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 so your scores are sent directly to the NCAA Eligibility Center from the testing agency. Test scores on transcripts will not be used in your academic certification.

A combined SAT score is calculated by adding reading and math subscores. An ACT sum score is calculated by adding English, math, reading and science subscores. You may take the SAT or ACT an unlimited number of times before you enroll full time in college. If you take either test more than once, the best sub score from different tests are used to meet initial eligibility requirements.

If you take the current SAT before March 2016 and then take the redesigned SAT at a later date, the NCAA Eligibility Center will not combine section scores from the current and redesigned SAT when determining your initial eligibility. The NCAA Eligibility Center will only combine section scores from the same version of the test. Because the redesigned SAT varies in design and measures different academic concepts than the current SAT, a numerical score on the current test may not be equivalent to the same numerical score on the redesigned test.

DIVISION I
FULL QUALIFER SLIDING SCALE

Core GPA	SAT Reading/Math	ACT Sum
3.550	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	60
2.700	740	61
2.675	750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840	70
2.425	850	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.299	**910**	**76**
2.275	**910**	**76**
2.250	**920**	**77**
2.225	**930**	**78**
2.200	**940**	**79**
2.175	**950**	**80**
2.150	**960**	**81**
2.125	**970**	**82**
2.100	**980**	**83**
2.075	**990**	**84**
2.050	**1000**	**85**
2.025	**1010**	**86**
2.000	**1020**	**86**

ACADEMIC REDSHIRT

Four-Year Planning
All students, in consultation with their parents/guardians and counselor should create a four-year educational plan. This book is designed to assist in that process.

The Guidance Office and Career Center coordinates services to assist in students' career and academic opportunities. An occupational assessment, the self-directed search is available for all grade levels along with the ASVAB for 11th and 12th graders. Additional assessment inventories are also available for our students.

Information for students who plan on attending a four-year university, a state university, or a community college is available on pages 6 – 10 of this book. Many university catalogues and brochures are available online, via their school websites.

Withdrawal from Classes
A student who drops a course during the first six weeks of the semester may do so without any entry on his/her permanent record card. Students who drop a course after the first six weeks of the semester will receive an F grade on his/her permanent record, unless otherwise decided upon by the principal or designee because of extenuating circumstance.

Valedictorian and Salutatorian Selection Policy

"To honor superior academic achievement, graduation ceremonies shall include recognition of a valedictorian and salutatorian. The Superintendent or designee shall establish procedures that ensure a fair determination of the students who have achieved the highest grade point average in the graduating class. If a tie exists, the principal may honor more than one valedictorian and/or salutatorian." –Barstow Unified School District Administrative Regulation 5127.

The criteria listed below allows all students who have chosen to attempt the most rigorous curriculum at Barstow High to compete equally for selection as the valedictorian and/or salutatorian, as well as for any recognition and scholarships that may be associated with their high level of academic achievement. Units attained in the Barstow Virtual Academy will not meet the selection criteria.

Selection Criteria

1. The selection is based on the academic GPA, which consists of courses designated a–g college preparatory. The list of courses that meet the UC/CSU a–g requirements and those that do not meet a–g requirements are listed in the course description area of this handbook.
2. Courses must be those offered at Barstow High School (or its equivalent to meet the basic graduation requirements) during the regular school year or during summer school. Online courses will be excluded from the calculation (UCCP, PLATO, BCC, etc.). Middle College students will be allowed to count as many classes that they are missing at the high school by being a part of the middle college program. The grades will be weighted and cannot be used to replace a high school class. This will be done on a semester basis (a semester class at the college will only count as a semester at the high school when it comes to the valedictorian/salutatorian formula).
3. Weighted grades for advanced placement courses offered at Barstow High will be included in the GPA calculation.
4. To be considered, students must attend their final two semesters at Barstow High School.
5. Selection will include all eight semester of a student's high school career. Announcement of the graduating class' valedictorian and salutatorian will take place after all grades for the eight semesters are officially submitted and calculated.
6. Maximum of credits earned in Aztec Band, and/or Wind Ensemble is forty (40) total. Maximum of Yearbook credits earned is thirty (30) total.

Choice of Academy

Every current 9th, 10th, and 11th grade student will choose an academy based on their career interest

- **STEM: Science, Technology, Engineering, Math**
  Examples: Energy and Power Technology, Environmental Resources, Telecommunications, Architectural Design, Engineering Technology, Engineering design, Environmental Engineering, Biotechnology, Patient Care, Health Care Administrative Services, Health Care Operational Support Services, Public and Community Health, Mental and Behavioral Health.

- **MOJAVE XP: Logistics, Transportation, Mechanics, Business**
  Examples: Cabinetry, millwork and Woodworking, Engineering and Heavy Construction, Mechanical Systems Installation and Repair, Residential and Commercial Construction, Business Management, Financial Services, International Business, Information Support and Services, Networking, Software and Systems Development, Games and Simulation, Graphic Production Technologies, Machining and Forming Technologies, Welding and Materials Joining, Product Innovation and Design, Marketing, Professional Sales, Entrepreneurship/Self-Employment, Public Safety, Emergency Response, Legal Practices, Operations, Structural Repair and Refinishing, System Diagnostics, Service and Repair.

- **VALOR: Arts, Media & Entertainment, Education, Law, Culinary Arts**
  Design, Visual and Media Arts, Performing Arts, Production and Managerial Arts, Game Design and Integration, Child Development, Consumer Services, Education, Family and Human Services, Fashion Design and Merchandising, Interior Design, Personal Services, Food Science, Dietetics, and Nutrition, Food Service and Hospitality, Hospitality, Hospitality, Tourism, and Recreation.

Sample Course Selection Form
(Varies From Year to Year)

Classes listed below as part of this sample are not offered every year. This serves just as an example of the many courses selection at Barstow High.

- If you are put into a class you selected, you **will not** be allowed to change the class just because you may have changed your mind.
- There is **no guarantee** you will get the classes you choose.
- If you fail to return your course selection form, or if it is not filled out completely or correctly, your **counselor will choose** your classes for you and you may not be able to make any changes.

Class & Alternate Selections:

History (mandatory):
- ❒ American Government %
- ❒ AP American Government %
- ❒ Economics
- ❒ AP Economics

English (mandatory):
- ❒ English 4 (12th) %
- ❒ AP English Lit (12th) %

Math or Elective:
➲ _____

Science or Elective:
➲ _____

Foreign Language or Elective:
➲ _____

Fine Art Elective:
➲ _____

Courses needed for credit recovery:
➲ _____
➲ _____
➲ _____
➲ _____
➲ _____
➲ _____

Alternate Elective Courses:
➲ _____
➲ _____
➲ _____

Math
Algebra 2 (C or better Geometry) %
Pre-Calculus (C or better Algebra 2) %
AP Statistics %
AP Calculus %
Math for Business

Science
Chemistry 2 %
Physics %
AP Biology (C or better Biology) %

PE
Advanced PE
Weight Training/Conditioning
Adv Weight Training
Walking for Fitness
Dance Level 1

Foreign Language
(B or better in English required)
Spanish 1 %
Spanish 2 %
Spanish 3 %

Auto/Diesel/Welding/Wood
ROP Automotive Maintenance
Auto 2
Auto 3
ROP Welding 1
ROP Welding Technology (2nd year)
ROP Welding Certification (3rd year)

Fine Arts
Art Fundamentals %
Drawing & Painting %
Adv Drawing & Painting %
Drama 1 %
Advanced Drama % *
Beginning Photo %
Advanced Photo % *
Concert Band % *#
Wind Ensemble %*#
Multi-Cultural Music %
Chorus %
Jazz Band

Miscellaneous
AVID Senior Seminar #%
Link Crew (11th & 12th only)
Drivers Education S
Work Experience S
Unscheduled 1st (parent approval)

English Electives
ESL ❒1 ❒2 ❒3
(Level determined by test scores)

Social Studies Electives
Psychology S %#
Sociology S %#
AP Psychology %
American Pop Culture %
Contemporary Law %*

Computers
Intro to Comp / MS Office Specialist
ROP Computer Game Design S
ROP Adv Computer Game Design S
ROP Digital Design
ROP Office Operations
AP Computer Science A %
Cyber Security 1 %

Engineering
Intro to Engineering Design % (1st year)
Principles of Engineering % (2nd year)

Administration of Justice
ROP Law Enforcement Fundamentals

Medical & Health Science
ROP Medical Core 1
ROP Medical Core 2 %
ROP Sports Medicine %

Marketing/Design/Broadcasting/Business
Customer Service Occupations S
ROP Digital Design
ROP TV/Video
ROP Art of Video Production %
Aztec Productions
ROP Fashion Design
ROP Interior Design
Entrepreneurship

Culinary Arts (Foods)
ROP Restaurant 1
ROP Restaurant 2

Reference:
S = Semester course (all others are year-long courses)
% = UC/CSU (a-g)
@ = pending UC/CSU a-g approval
* = Courses may be repeated for credit
# = Classes require teacher recommendation OR permission OR audition OR election to office
VPA = UC Visual & Performing Arts

DRAFT

ENGLISH

GRADUATION REQUIREMENT – 40 CREDITS

English 1 or Pre AP English 1 – 10 credits

English 2 or Pre AP English 2 – 10 credits

English 3 or AP English Language and Composition – 10 credits

English 4 or AP English Literature and Composition – 10 credits

ELECTIVE CREDITS:

ESL I, II, III, IV, V – 10 credits

Journalism – 10 credits

Yearbook – 10 credits

Language Takes the Stage – 10 credits

Public Speaking – 5 credits

Yearbook – 10 credits

ENGLISH 1

Prerequisite: None

9th Grade English

Year • NCAA • UC/CSU

Foci: Conventions of Standard American English. State recommended writing. Mythology. World literature. Research. Business (career choice) writing. Learn to write about themes that are the groundwork of world cultural ideas. English 1 provides personal, social and aesthetic values as they affect the world and the world affects them.

ENGLISH 2

Prerequisite: English 1

10th Grade English

Year • NCAA • UC/CSU

Foci: Conventions of Standard American English. State recommended writing. A yearlong comprehensive look at the literature, stories, poems and novels of a great country. Course includes formal and informal research. The class is literature based and writing intensive.

ENGLISH 3

Prerequisite: English 2

11th Grade English

Year • NCAA • UC/CSU

Legendary heroes, love stories, betrayals and death are highlights of the beginning stories of our literature. English 3 portrays themes and ideas we are familiar with today but from 800+ years ago.

ENGLISH 4

Prerequisite: English 3

12th Grade English

Year • NCAA • UC/CSU

Develops student awareness of ideas – of the world, and of one's place in society – by encouraging responsibility for action and involvement in one's surroundings. Second semester entry possible by not recommended.

PRE AP ENGLISH 1

Prerequisite: Recommendation of 8th grade Language Arts teacher

9th Grade English

Year • NCAA • UC/CSU

An accelerated and intensive English 1 for freshmen who read and write better than average. Increased outside-of-class, independent reading and writing.

PRE AP ENGLISH 2

Prerequisite: Grade "B" or better in English 1 or by recommendation of English 1 teacher

10th Grade English

Year • NCAA • UC/CSU

An accelerated and intensive English 2 for sophomores who have had successful experiences in Pre AP English 1. Increased outside-of-class, independent reading and writing.

AP ENGLISH LANGUAGE AND COMPOSITION

Prerequisite: Grade "B" or better in English 2

11th Grade English

Year • NCAA • UC/CSU

The intent of this advanced placement course is to prepare students for the College Board exams, which can qualify them for college credit in rhetoric and composition. It is a course in both effective writing and critical reading. AP Language and Composition emphasized a study of a variety of texts and a variety of writing tasks. It trains students to become skilled readers of prose written in a variety of periods, disciplines and rhetorical contexts. In their writing, students will address topics and share ideas. They will learn how to gather information, develop a discourse, organize detail and recognize the language patterns that authors have created and to describe their responses to these patterns.

AP ENGLISH LITERATURE AND COMPOSITION

Prerequisite: Grade "B" or better in English 3, Grade "C" or better in AP English Language

12th Grade English

Year • NCAA • UC/CSU

The intent of this advanced placement course is to prepare students for the College Board exam which can qualify them for college credit. Students will engage in responsive reading and critical analysis of major works from various periods and genres of British literature. Literary elements such as structure, style, theme, figurative language, imagery, symbolism, and tone will be intensely focused on. In addition, students will examine the social and historic value of the works.

ESL I

English as a Second Language/Beginning ESL, selected by the IPT scores

Grades 09, 10, 11, 12

Year

This course is designed to develop fluency in the English language by providing instruction in English language skills so that students are able to communicate effectively in the community.

ESL II

Intermediate ESL, Level C or D of IPT-II tests

Grades 09, 10, 11, 12

Year

Listening, speaking and writing skills are integrated into instructional activities so that students will develop fluency in English and successful participation in the total school program.

ESL III, IV, V

Advanced ESL, Level E or F on IPT-II or teacher recommendation

Grades 09, 10, 11, 12

Year

Advanced ESL is a course in English designed to assist students in achieving competence in writing, reading and language skills to develop fluency, promote positive self-concepts, promote cross-cultural understanding and provide equal opportunity for academic achievement.

JOURNALISM

Prerequisite: Grade "C" or better in English or teacher approved

Grades 10, 11, 12

Year • NCAA • UC/CSU

This class is an introductory course into the realm of journalism. Students will explore the history, ethics and purpose of journalism, learn how to write sports, opinion and news articles, and learn how to use publication software. Some student articles will be considered for publication in Barstow High School's newspaper *The Aztec Warrior*.

YEARBOOK

Prerequisite: Passing grade in Beginning Photo and teacher recommendation

Grade 10, 11, 12

Year • UC/CSU

This project-based course is designed to provide practical, specific journalistic experiences with the main, end result the production of a professional yearbook. Members are expected to assume the responsibilities and self-discipline necessary to contribute to the success of such an organization. Every student plays an important part of the completion of the book and will understand staff positions, roles and responsibilities which include understanding their role and responsibility to the school community to represent all students to the best of their ability. Students will learn about what publications means in general and what it means to this course. In this unit, students will be introduced to the printing and publication process. They will learn what deadlines are and why meeting deadlines are vital for production. Students will understand that this course is more than a class, it is a small business. *This course may be repeated for elective credit.*

LANGUAGE TAKES THE STAGE

Prerequisite: None

Grade 09

Year • UC/CSU

In Language Takes the Stage, we consider what theatre is and why we feel compelled to create it. In this 9th grade, college preparatory English class, the literature comes to life. In addition to analyzing, researching, and writing about text, students take an active role in transforming text to actual performances. Language, theater, culture, and self are the driving themes of this course. Students will compose monologues, write narratives, act, argue character interpretation, invent, improvise, and otherwise consider how the store is told and how the story is used to influence and communicate with the world around us.

PUBLIC SPEAKING

Prerequisite: None

Grade 10, 11, 12

Semester

The art of public speaking is one which underpins the very foundations of Western society. This course examines those foundations in both Aristotle and Cicero's views of rhetoric, and then traces those foundations into the modern world. Students will learn not just the theory, but also the practice of effective public speaking, including how to analyze the speeches of others, builds a strong argument, and speak with confidence and flair.

MATHEMATICS

GRADUATION REQUIREMENT – 20 CREDITS

Integrated Math I – 10 credits

Integrated Math II – 10 credits

Integrated Math III – 10 credits

Geometry – 10 credits

Algebra II – 10 credits

AP Statistics – 10 credits

Pre-Calculus – 10 credits

AP Calculus – 10 credits

Math for Business – 10 credits

Algebra At Your Service – 10 credits

Engineering Geometry with Physics – 20 credits (2 yr. course)

10 credits required if there is an 8th grade Algebra I waiver the student must take 10 additional elective credits. Student must have received a letter grade of "A' or "B" in 8th grade Algebra I in order to be eligible for the waiver.

INTEGRATED MATH I

Prerequisite: None

Grades 09, 10, 11, 12

Year • NCAA • UC/CSU

This course guides students through topics in Integrated Mathematics I in Common Core State Standards for Mathematics while simultaneously teaching students programming and computational thinking.

In order to receive an Integrated Math I waiver, a student must receive a letter grade of "B" or higher in 8th grade Integrated Math I.

INTEGRATED MATH II

Prerequisite: Integrated Math I

Grades 10, 11, 12

Year • NCAA • UC/CSU

The purpose of Integrated Math 2 is to formalize and extend the mathematics that students learned in Integrated Math 1 and prepare students for higher levels of mathematics. The critical areas deepen and extend understanding of quadratic relationships, in part by contrasting them with exponential functions and linear functions. Integrated Math 2 uses properties and theorems involving similar figures, Surface Area and Volume, right triangles, and circles in order to deepen and extend understanding of geometric knowledge acquired in previous years. The brief introduction to Statistics concepts in Integrated Math 1 is also further developed through the unit of probability

INTEGRATED MATH III

Prerequisite: Integrated Math II or teacher recommendation

Grades: 10, 11, 12

Year • NCAA • UC/CSU

The purpose of Integrated Math 3 is to pull together and apply the accumulation of learning that they have from their previous courses, with content grouped into seven critical areas, organized into units. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational, and radical functions. The need for extending the set of rational numbers arises and real and complex numbers are introduced so that all quadratic equations can be solved. They study right triangle trigonometry and extend it to trigonometric functions.

GEOMETRY

Prerequisite: None

Grades 09, 10, 11, 12

Year • NCAA • UC/CSU

Geometry is a course to help students strengthen basic algebraic skills and concepts and the ability to develop spatial visualization. Students will develop basic understanding of geometry and how it compliments algebra.

ALGEBRA II

Prerequisite: Geometry

Grades 09, 10, 11, 12

Year • NCAA • UC/CSU

Algebra II is designed to broaden the student's background of the real and complex number systems by applying algebraic and trigonometric techniques to these systems

PRE-CALCULUS

Prerequisite: Grade "C-" or better in Integrated Math III or teacher recommendation

Grades 10, 11, 12

Year • NCAA • UC/CSU

Pre-Calculus students will gain an appreciation of mathematics as a logical science while they grasp a solid foundation for the study of Calculus. Topics such as trigonometry, analytical geometry, and Algebra (Intermediate and Linear) are studied in detail from a functional point of view as students' understanding of mathematical reasoning while solving problems are strengthened.

AP STATISTICS

Prerequisite: Grade "C-" or better in Integrated Math III or teacher recommendation

Grades 11, 12

Year • NCAA • UC/CSU

Statistics is the science which studies data; its collection, description, analysis, and interpretation. Almost all modern professions from economists to engineers and from social scientists to medical scientists rely on statistics. Statistical methods are used for studying relationships, predicting results, testing hypothesis, and a variety of other purposes.

AP CALCULUS

Prerequisite: Grade "C" or better in Pre-Calculus or teacher recommendation

Grades 11, 12

Year • NCAA • UC/CSU

This course will explore limits and continuity, expose students to recognize derivatives, define integrals and working inverse functions.

MATH FOR BUSINESS

Prerequisite: None

Grades 11, 12

Year, Semester entry

Math for Business is a course in which students will review basic computation skills and apply those skills in solving business problems and maintaining business records. This course includes competencies required for employment in office occupations.

ALGEBRA AT YOUR SERVICE

Prerequisite: None

Grade 09, 10

Year • UC/CSU

Algebra at Your Service establishes the foundational relevance of applied mathematics by supporting students' acquisition of conceptual knowledge and fluency in fundamental Algebra 1 concepts through integration with the Hospitality, Tourism, and Recreation Industry proficiencies. This course will provide real-world learning opportunities to mastering the writing, solving, and graphing of linear, quadratic, and systems of two equations. This integrated Algebra I approach provides an introduction to managerial career mathematics in the hospitality industry.

ENGINEERING GEOMETRY WITH PHYSICS

Prerequisites: Passing grade in either Algebra 1 or Integrated Math

Grade 09, 10

Two Year Course

Engineering Geometry with Physics is designed as an introductory college and career preparatory course in physics and geometry with continuous integration of engineering CTE industry sector pathways (such as Engineering Design or Architectural and Structural Engineering).

PHYSICAL EDUCATION

GRADUATION REQUIREMENT – 20 CREDITS

Physical Education 9 – 10 credits

Health – 5 credits (required for graduation and embedded in PE 9 during 2nd semester)

Advanced Physical Education – 10 credits

Walking For Fitness – 10 credits

Weight Training/Conditioning – 10 credits

Dance – 10 credits

PE WAIVER: After a student has completed PE 9, he/she is eligible for a waiver for Advanced PE. For each sport that a student completes the season in, and letters, he/she will receive a one semester waiver. Two waivers completes the Advanced PE requirement. Being a team manager **does not** qualify for a waiver. A waiver **does not award credit**, so the student will have to make these credits up in elective classes.

PHYSICAL EDUCATION 9

Prerequisite: None

Grade 09

Year

Importance of fitness, as well as the components of fitness will be taught. The student will learn healthy ways to promote their individual levels of fitness, including cardiorespiratory endurance, muscular endurance, muscular strength, flexibility and improve overall body composition. Students will learn how they can attain and maintain a level of fitness specific to their needs. This course will help students acquire basic movement skills and skills specific to physical education activities. The students will be required to perform daily physical fitness activities and complete written assignments and test throughout the year.

HEALTH

Prerequisite: None

Grades 09, 10, 11, 12

Semester

This course is required for graduation at Barstow High and is embedded in PE 9 during 2nd semester. This class is designed to provide students with basic health knowledge including physical, mental, and emotional health. The goal of this health education program is to allow students an opportunity to understand the connection between overall wellness and healthy decision-making throughout life. Some of the topics covered will be social health, physical well-being, the human life cycle, diseases and disorders, drug use and abuse, first aid and community resources.

ADVANCED PHYSICAL EDUCATION

Prerequisite: PE 9

Grades 10, 11, 12

Year

May be repeated for credit

This coed class is designed to meet individual needs of all students to develop and maintain a level of fitness needed to promote good health, through increased cardiovascular strength, flexibility, and improved coordination. Each student will acquire the knowledge and build attitudes necessary for successful participation as a member of a team. The students will also learn to perform certain steps and movements to music, as well as stretching exercises and reading their pulse.

WALKING FOR FITNESS

Prerequisite: PE 9

Grades 10, 11, 12

Year

May be repeated for credit

This coed class is designed to help students gain an appreciation of walking as both physical and mental exercise. The class will help students develop an understanding of the relationship between walking, calories, and the food-energy balance. Students will also learn how to write their own Walking for Fitness Action Plan. *This course may be repeated for credit.*

WEIGHT TRAINING/CONDITIONING

Prerequisite: PE 9

Grades 10, 11, 12

Year

May be repeated for credit

This coed class is designed to meet individual needs of all students who desire to better their physical condition, particularly in the areas of muscular, cardiovascular and respiratory endurance. Students will also become knowledgeable about the dangers of steroids. *This course may be repeated for credit.*

DANCE

Prerequisite: PE 9

Grades 10, 11, 12

Year

Students will be able to demonstrate through movement that dance is a form of communication and that the variety of movement comes from the uniqueness of individual expression. The student will be able to show original movements, motifs, phrases and dance composition to others in class. *This course may be repeated for credit.*

SCIENCE

GRADUATION REQUIREMENT – 20 CREDITS (10 PHYSICAL & 10 LIFE)

Introduction to Physical Science (physical) – 10 credits

Biology (life) – 10 credits

ELECTIVE CREDITS:

Chemistry (physical) – 10 credits

Chemistry II (physical) – 10 credits

Physics (physical) – 10 credits

AP Biology (life) – 10 credits

AP Environmental Science (physical) – 10 credits

Biology and Community Health (life) – 10 credits

Green Up and Go! Clean Energy-neering (physical) – 10 credits

INTRO TO PHYSICAL SCIENCE *(physical)*
Prerequisite: None
Grade 09, 10, 11, 12
Year
Designed for students to explore fundamental principles of physical science while developing important scientific skills. Students will complete written and oral presentations to learn how to analyze and present their own experiments, investigate the role of physical science in other disciplines (such as environmental science and geology) and acquire ownership of scientific knowledge they produce or encounter via research. It satisfies graduation requirements for physical science course.

BIOLOGY *(life)*
Prerequisite: None
Grade 09, 10, 11, 12
Year • NCAA • UC/CSU
Biology is a college preparatory class designed to develop an understanding of basic biological principles with emphasis on lab oratory methods. It is intended to help students understand the nature of life. It satisfies graduation requirements for life science course.

CHEMISTRY *(physical)*
Prerequisite: Grade "C" or better in Algebra I, and Biology
Grade 10, 11, 12
Year • NCAA • UC/CSU
This is a college preparatory class designed to develop and understanding of chemical bonding principles and the atom. Computation skills are stressed. It is intended to help students understand the nature of substances used and produced in our complex society.

CHEMISTRY 2 *(physical)*
Prerequisite: Grade "C" or better in Chemistry
Grade 11, 12
Year • NCAA • UC/CSU
This course uses in-depth problem solving and analysis to deepen the understanding of chemical principles. It is appropriate for preparation for AP Biology and Physics. It should be taken by students interested in engineering.

PHYSICS *(physical)*
Prerequisite: Grade "C" or better in Algebra II, Biology and Chemistry
Grade 11, 12
Year • NCAA • UC/CSU
This is a college preparatory class stressing the physical behavior of matter. There is emphasis on the computation of forces and energy at work in the universe. This course should be taken by all university bound students interested in engineering.

AP BIOLOGY *(life)*
Prerequisite: Grade "C" or better in Biology
Grade 11, 12
Year • NCAA • UC/CSU
This course involves extensive study of selected topics. Emphasis is on analysis and application of biological principles. This course follows the AP Biology outline from the College Board. It is suggested for students seeking programs in medicine. Students should take the Advanced Placement Test in May.

AP ENVIRONMENTAL SCIENCE *(physical)*
Prerequisite: Grade "C" or better in Chemistry and Biology
Grade 11, 12
Year • NCAA • UC/CSU
The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

BIOLOGY AND COMMUNITY HEALTH *(life)*
Prerequisite: None
Grade 09, 10, 11, 12
Year • UC/CSU
This is a college preparatory laboratory science course with Next Generation Science Standards for Life Science integrated with Public and Community Health Pathway standards. The course is designed to provide students with an understanding of biological concepts through the study of the effect of disease on public and community health.

GREEN UP AND GO! CLEAN ENERGY-NEERING *(physical)*
Prerequisite: Passing grade in Principles of Engineering
Grade 11, 12
Year • UC/CSU
Green Up and Go offers students a real world opportunity to discover and understand principles of physics, engineering, design and green-clean technologies. From electric cars to wind farms our world is driven by innovations that come to life through the marriage of science and engineering.

SOCIAL STUDIES

GRADUATION REQUIREMENT – 30 CREDITS

World History/Geography – 10 credits

United States History – 10 credits

American Government – 5 credits

Economics – 5 credits

AP Government and Politics – 5 credits

AP Microeconomics – 5 credits

AP United States History – 10 credits

ELECTIVE CREDITS:

American Pop Culture – 10 credits

World Regional Geography – 10 credits

Contemporary Law – 10 credits

U.S. History and Public Health – 10 credits

Psychology – 5 credits

Sociology – 5 credits

AP Psychology – 10 credits

WORLD HISTORY/GEOGRAPHY

Prerequisite: None

Grade 10, 11, 12

Year • NCAA • UC/CSU

This course is designed to provide the students with a study of earth's natural and man-made features, maps, climates and weather. It is designed to trace human development in a universal context. Ideas, philosophies and prevalent political and economic practices will be discussed resulting in an understanding of human societies and their modes of function and operation. This course is required for graduation at Barstow High School.

UNITED STATES HISTORY

Prerequisite: World History

Grade 11, 12

Year • NCAA • UC/CSU

The purpose of this course in United States History is to meet state and local requirements for graduation. Students will understand how America developed to its present position as the leading democratic nation in the world. The strengths and weaknesses of the American system are analyzed so the student can appreciate his/her culture. This course meets state-mandated requirements for graduation.

AMERICAN GOVERNMENT

Prerequisite: 12th grade

Grade 12

Semester • NCAA • UC/CSU

American Government will teach a deeper student understanding of the institutions of American government, to include the principles, concepts, structures and functions of federal, state and local governments. Student will be informed of their governmental rights and obligations as citizens. This course will meet state and local requirements for graduation.

ECONOMICS

Prerequisite: 12th grade

Grade 12

Semester • NCAA • UC/CSU

Economics will teach the principles of macro and micro economics, individual decision-making processes and the strengths and weaknesses of comparative economic systems. Completing this course will enable the student to function more effectively in our economic system. This course meets state-mandated requirements for graduation.

AP GOVERNMENT AND POLITICS

Prerequisite: Recommendation of U.S. History teacher and 3.5 GPA

Grade 12

Semester • NCAA • UC/CSU

This class will be offered as a combination Microeconomics/U.S. Government and Politics team-taught class to better prepare class participants in their understanding of the subject matter and to be able to offer the material in a timelier manner relative to the time the AP test are given in May. This course will prepare students to function in a modern society where understanding of all phases of the working of the economy is essential. It will help students understand how the economic structure of the entire world is interdependent on various national economies, which in turn depend on the economic well-being of individual citizens.

AP MICROECONOMICS
Prerequisite: Recommendation of U.S. History teacher and 3.5 GPA
Grade 12
Semester • NCAA • UC/CSU
This class will be offered as a combination Microeconomics/U.S. Government and Politics team-taught class to better prepare class participants in their understanding of the subject matter and to be able to offer the material in a timelier manner relative to the time the AP test are given in May. This course will prepare students to function in a modern society where understanding of all phases of the working of the economy is essential. It will help students understand how the economic structure of the entire world is interdependent on various national economies, which in turn depend on the economic well-being of individual citizens.

AP UNITED STATES HISTORY
Prerequisite: Grade of "B" or better in English 3 and World History, teacher recommendation
Grade 11, 12
Year • NCSS • UC/CSU
Students will examine the focus points of United States History from its pre-Columbian origins to the present with special emphasis on the basics of politics and moral value systems. This course is designed to be taken in conjunction with Honors American Literature and Honors Composition where students will be prepared for College Board exams.

AMERICAN POP CULTURE
Prerequisite: None
Grade 10, 11, 12
Year • UC/CSU elective
This course will help students evaluate American culture and life to better understand our development as a nation. Students will examine American pop culture and its influence and impact in the modern world. Students will demonstrate their knowledge and understanding of American history through American pop culture.

WORLD REGIONAL GEOGRAPHY
Prerequisite: None
Grade 09
Year
World Regional Geography is a one-year, two semester class dedicated to helping freshmen build the necessary academic and social studies skills to be successful throughout their high school careers and beyond. The curriculum is comprised of two main areas: geography and content-area literacy. Students will learn, practice, and master study skills to enhance their academic success. They will also be involved in lessons and activities to increase their connection and engagement to the world. Teachers of geography will us the geography text as a foundation to develop and practice content area skills such as comparing and contrasting, supporting a point of view, identifying points of view, identifying bias, analyzing, evaluation, identifying cause an defect, drawing inferences and drawing conclusions and making generalizations and predictions.

CONTEMPORARY LAW
Prerequisite: None
Grade 10, 11, 12
Year • UC/CSU elective
In this course, the student will understand the judiciary system. The student will learn legal rights and responsibilities through speakers, debates, and mock trials. The student will learn about law as it relates to the individual and to business; its history, its natures and types, and its place in society. The student will gain knowledge of legal problems and develop the ability to analyze, evaluate, and resolve legal disputes.

U.S. HISTORY AND PUBLIC HEALTH
Prerequisite: None
Grade 11
Year • UC/CSU
The purpose of this course is to analyze the significant periods of U.S. history while building and establishing a foundation of practical knowledge in healthcare applications. Students will study thematic events in history as a pathway to understand the context and scope of public health on both the individual level and within the public sector. Students will analyze the cause and effect relationship between events thought U.S. history, and the country's approach to health and medical care.

PSYCHOLOGY
Prerequisite: None
Grade 10, 11, 12
Semester • NCAA • UC/CSU elective
Psychology is the scientific study of human behavior. Students who take the course will be given an insight into the causes of their emotions. Topics include: popularity, leadership, personality, intelligence, mental health and mental illness.

SOCIOLOGY
Prerequisite: None
Grade 10, 11, 12
Semester • NCAA • UC/CSU elective
This course will consider the American way of life, its social organization and the individual as a member of a group. It will also examine other societies in other cultures. Today's political, economic and social problems will be related to current changing social conditions.

AP PSYCHOLOGY
Prerequisite: Biology, English 2
Grade 11, 12
Year • NCAA • UC/CSU elective
The purpose of the AP course in Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Student also learn about the ethics and methods psychologists use in their science and practice.

FINE ARTS

GRADUATION REQUIREMENT – 10 CREDITS

Art Fundamentals – 10 credits

Drawing and Painting – 10 credits

Advanced Drawing and Painting – 10 credits

Senior Art – 10 credits

Sculpture – 10 credits

Drama 1 – 10 credits

Advanced Drama – 10 credits

Beginning Photography – 10 credits

Advanced Photography – 10 credits

Multi-Cultural Music – 10 credits

Aztec Concert Band – 10 credits

Varsity Band – 10 credits

Wind Ensemble – 10 credits

Concert Choir – 10 credits

FOREIGN LANGUAGE

Spanish 1

Spanish 2

Spanish 3

Spanish 4/AP Spanish

ART FUNDAMENTALS

Prerequisite: None

Grade 09, 10, 11, 12

Year • UC/CSU – VPA

Meets Visual and Performing Arts (VPA). Art Fundamentals is a year course. The first semester is designed to familiarize the student with the elements of art, the principles of design, and their use in determining quality arts. Students will complete a series of lessons in various media to build creative studio skills, heighten aesthetic perception, increase cultural/historical art knowledge, and make informed aesthetic judgments. Semester 2 centers on challenging students to develop and extend their abilities both as artists, problem solvers, and connoisseurs of the arts in a studio environment.

DRAWING AND PAINTING

Prerequisite: Art Fundamentals

Grade 10, 11, 12

Year • UC/CSU – VPA

Meets Visual and Performing Arts (VPA). Painting and Drawing is designed to expose students to multiple experiences which enhance their drawing and painting skills. After initial introductory lessons and historical/cultural study, students are presented with art problems which must be solved through creating a work of art. While students are encouraged to try a variety of media, paint is the main media employed in the course.

ADVANCED DRAWING AND PAINTING

Prerequisite: Drawing and Painting

Grade 11, 12

Year • UC/CSU – VPA

Advanced students will enhance historical and aesthetic awareness to broaden studio skills. Advanced study of art techniques and personal communication will be emphasized as students develop portfolio quality work. The course emphasizes higher order thinking skills in translating ideas, feeling and values. A major focus of the year is the study and practice of various art styles throughout times, places, and cultures. *This course may be repeated for credit.*

SENIOR ART

Prerequisite: Teacher recommendation

Grade 12

Year, semester entry • UC/CSU – VPA

Senior Art is a service oriented course promoting school spirit, senior class activities, and the establishment of quality art on campus. Art skills and practices fundamental to the field of graphic design, illustration, lettering layout, and general commercial advertising will be emphasized.

SCULPTURE

Prerequisites: Passing grade in Art Fundamentals or Art & Drawing

Grade 10, 11, 12

Year • UC/CSU – VPA

This course will introduce students to three-dimensional design and creation additive and subtractive methods. Students will learn traditional sculpture techniques and the desired aesthetics, as well as contemporary materials and approaches. Class projects will communicate symbolism and personal expression built upon a base of historical art references.

DRAMA 1

Prerequisite: None

Grade 09, 10, 11, 12

Year, semester entry with teacher approval • UC/CSU – VPA

Meets Visual and Performing Arts (VPA). The goal of this course is personal discovery through risk-taking in a performance-based setting. This is the first year or beginning level of high school drama. Students will perform both publicly and in the classroom. Each student will be required to learn acting skills, both rehearsed and impromptu, as well as staging, lighting, sound, costuming, and make up skills for specific performances.

ADVANCED DRAMA

Prerequisite: Passing grade in Drama 1 or teacher recommendation

Grade 10, 11, 12

Year, semester entry • UC/CSU – VPA

Meets Visual and Performing Arts (VPA). Excellence in performance is the class and individual goal. Students will continue to perform both publicly and in the classroom. Each student will continue to improve their acting skills both rehearsed and impromptu, as well as staging, lighting, sound, costuming, and make up skills for specific performances. The growth of these skills will prepare the students to successfully enter the entertainment filed or transition to post-secondary education programs in Theater Arts. *This course may be repeated for credit.*

BEGINNING PHOTOGRAPHY

Prerequisites: None

Grade 10, 11, 12

Year • UC/CSU – VPA

Meets Visual and Performing Arts (VPA). Beginning Photography is a year course designed to teach the student the basics of photographic composition, camera use, and the arrangement of photographs using Adobe Photoshop. The student will learn basic art techniques and photographic history.

ADVANCED PHOTOGRAPHY

Prerequisite: Passing grade in Beginning Photo

Grade 11, 12

Year • UC/CSU – VPA

Meets Visual and Performing Arts (VPA). Advanced Photography is a year course designed to teach the student photography skills relative to employment in the field of professional photography. The student will specialize in one of the following: portrait photography, color photography, photography for publication, digital photography, advanced digital photography, fine art photography, or advanced compositional techniques. *This course may be repeated for credit.*

MULTI-CULTURAL MUSIC

Prerequisite: None

Grade 09, 10, 11, 12

Year, semester entry • UC/CSU – VPA

Meets Visual and Performing Arts (VPA). This course will promote the understanding and appreciation of the music of different cultures of the world. Student involvement in the course will be active, productive, and stimulating. Musical concepts and behaviors will be taught because they can enhance the quality of life. The ultimate objective is to provide young people with musical understanding, cognitive skills, broad experience and involvement in many kinds of musical activities in order that they may make their own value judgement regarding musical choices, career choices, involvement in and out of school music activities and the support of music in their community and world. *This course may be repeated for credit.*

AZTEC CONCERT BAND

Prerequisite: Audition

Grade 09, 10, 11, 12

Year • UC/CSU – VPA

Meets Visual and Performing Arts (VPA). Aztec Concert Band will provide quality experience for the student in technique and growth in playing his/her instrument in a full concert band situation. *This course may be repeated for credit.*

VARSITY BAND

Prerequisite: Audition

Grade: 09, 10, 11, 12

Year

Varsity Band will provide quality experience for the student in technique and growth in playing his/her instrument. This band is a training band for the Aztecs Band.

WIND ENSEMBLE

Prerequisite: Audition and teacher approval

Grade 09, 10, 11, 12

Year • UC/CSU – VPA

Meets Visual and Performing Arts (VPA). A small ensemble experience for the advanced instrumental music student. Entrance by audition only with stress on musicianship and continued growth and breadth of exposure to major band works. *This course may be repeated for credit.*

CONCERT CHOIR

Prerequisite: None

Grade 09, 10, 11, 12

Year • UC/CSU – VPA

Meets Visual and Performing Arts (VPA). This intermediate level chorus focuses on more advanced vocal technique as well as higher levels of music notation and theory. This class performs memorized music several times per year. *This course may be repeated for credit.*

SPANISH 1

Prerequisite: Recommended Grade "A" or "B" in English

Grade 09, 10, 11, 12

Year • NCAA • UC/CSU

Spanish 1 is a beginning course in the Spanish language and its culture. There is emphasis on practical control of four language skills; understanding, speaking, reading, and writing. Students will spend at least 20 to 30 minutes per day at home doing homework and reviewing concepts. A three-ring notebook binder and all school supplies are mandatory for the class.

SPANISH 2

Prerequisite: Grade of "C" or better in Spanish 1

Grade 09, 10, 11, 12

Year • NCAA • UC/CSU

This course is designed to extend the students control of grammar and usage. There will be a strong emphasis in the building of vocabulary, writing of paragraphs and giving of oral presentations. Spanish 2 will stimulate interest in the appreciation of the cultural background of all Spanish-speaking people. Students will spend at least 30 minutes each day at home doing homework. A three-ring notebook binder and all school supplies are mandatory for the class.

SPANISH 3

Prerequisite: Grade of "C" or better in Spanish 2

Grade 10, 11, 12

Year • NCAA • UC/CSU

This course will review the grammatical structure taught in the first three levels and go into depth of its usage via reading, writing and oral presentations. It is a continuation course of the learning experiences of Spanish 2 with emphasis and encouragement to use the language. Students will be responsible for reading short stories, poems, and short novels. Students will spend at least 30 minutes each day doing homework. A three-ring notebook binder and all school supplies are mandatory for this class.

SPANISH 4 / AP SPANISH

Prerequisite: Grade of "C" or better in Spanish 3

Grade 10, 11, 12

Year • NCAA • UC/CSU

This course will review the grammatical structure taught in the first three levels and go into depth of its usage via reading, writing and oral presentations. It is a continuation course of the learning experiences of Spanish 3 with emphasis and encouragement to use the language. Students will be responsible for reading short stories, poems, and short novels. Students will spend at least 30 minutes each day doing homework. A three-ring notebook binder and all school supplies are mandatory for this class.

APPLIED ARTS

ELECTIVE GRADUATION REQUIREMENT – 55 TOTAL CREDITS
TECHNICAL LITERACY 10 CREDITS

Automotive Fundamentals – 10 credits

Automotive Maintenance – 10 credits

Auto Collision and Repair – 10 credits

Welding and Metal Fabrication – 10 credits

Welding Technology – 10 credits

Welding Certification – 10 credits

Woodworking Occupations – 10 credits

Intro to Computers – 5 credits

Microsoft Office Specialist – 5 credits

Computer Science and Software Engineering – 10 credits

AP Computer Science A – 10 credits

Cybersecurity I – 10 credits

Cybersecurity II – 10 credits

AUTOMOTIVE FUNDAMENTALS

Prerequisite: None

Grade 10, 11, 12

Year

This course provides training for students specializing in engine tune-up and repair. Instruction includes theory and hands-on experiences focusing on understanding, diagnosing and repairing engines and related electrical and fuel/emission systems to improve performance. Experiences will be provided using hand tools, power tools, testing and troubleshooting equipment, as well as service manuals.

AUTOMOTIVE MAINTENANCE

Prerequisite: Passing grade in Automotive Fundamentals

Grade 11, 12

Year

This course is designed to prepare students with a broad understanding of automobile maintenance and repair. The course includes theory and hands-on experiences to teach diagnosis and repair of engines, drive trains and suspension, steering and brake systems, as well as general maintenance. Upon successful completion of the course, students should be able to obtain entry-level employment in automotive service and/or continue their training at a postsecondary educational institution.

AUTO COLLISION AND REPAIR

Prerequisite: Passing grade in Automotive Maintenance

Grade 10, 11, 12

Year

This competency-based course is designed to provide students with the skills to gain entry-level employment in the field of auto body repair. Included in the instruction and practical application is estimating, body and frame straightening, welding, painting and refinishing of automobile bodies. Integrated throughout the course are career preparations standards. *This course may be repeated for credit, one time.*

WELDING AND METAL FABRICATION

Prerequisite: None

Grade 10, 11, 12

Year

This course is designed to train students for entry-level positions in welding and metal fabrication with relationship to industry sectors of Agriculture and Natural Resources, Manufacturing and Product Development, and Transportation. Student will learn how to use different tools and equipment designed for metal fabrication with practical applications in each industry area, preparing themselves for positions within the welding industry.

WELDING TECHNOLOGY

Prerequisite: Passing grade in Welding and Metal Fabrication

Grade 11, 12

Year

This course introduces students to various welding techniques. It is especially designed for students who have a career interest in the welding field. The course will include classroom and practical instruction in arc, oxy-acetylene, metal inert gas, tungsten inert gas welding and cutting methods. Students will achieve competency in this course have an excellent opportunity for entry-level employment in the welding filed and the ability to continue their education and training at a post-secondary institution.

WELDING CERTIFICATION

Prerequisite: Welding Technology or teacher approval

Grade 12

Year

This course prepares students to take a welding certification examination. The course is designed for students with some basic welding skills. It will include classroom and in-depth practical instruction in oxy-acetylene, metal inert gas and wire feed welding. Students that achieve competency in this course have an excellent opportunity for entry-level employment in the welding filed and will be prepared to take the welding certification examination.

WOODWORKING OCCUPATIONS

Prerequisite: None

Grade 10, 11, 12

Year

This competency-based course prepares students for entry-level positions in the woodworking industry. It includes the use of basic and advanced tools and equipment, as well as, special materials and various wood finishes. The course is designed to serve students with limited background in woodworking and to serve students with previous training and expertise in woodworking. Students will demonstrate their knowledge and skill level by designing and completing wood projects.

INTRO TO COMPUTERS

Prerequisite: None

Grade 09, 10, 11, 12

Semester

Fulfills 5 credits of the Technical Literacy graduation requirement for Barstow High - pending. This course is designed to provide basic skills in computer operations. Students will learn the fundamentals of how the computer processes information, the set up and care of a computer and printer, and how to access and use software applications in the Windows environment. The course provides students with word processing and internet skills commonly used in a business environment.

MICROSOFT OFFICE SPECIALIST

Prerequisite: None

Grade 09, 10, 11, 12

Semester

Fulfills 5 credits of the Technical Literacy graduation requirement for Barstow High. As a student in this course, you will develop practical, in-depth knowledge of the Microsoft Office Suite™ that will prepare you for careers that require the development, designing, and delivery of information in various formats within any industry sector. You will benefit from world-class Microsoft™ curriculum and software tools to tackle real-world challenges within a classroom environment including; Microsoft Word, Excel, Access and PowerPoint.

COMPUTER SCIENCE & SOFTWARE ENGINEERING

Prerequisite: Intro to Computers

Grade 10, 11, 12

Year • UC/CSU

Fulfills 10 credits of the Technical Literacy graduation requirement for Barstow High. This course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. This course also aims to build students' awareness of the tremendous demand for computer specialists and for professionals in all fields who have computational skills. Each unit focuses on one or more computationally intensive career paths. The course also aims to engage students to consider issues raised by the present and future societal impact of computing.

AP COMPUTER SCIENCE A

Prerequisite: Passing grade in Computer Science & Software Engineering

Grade 11, 12

Year • UC/CSU

Fulfills 10 credits of the Technical Literacy graduation requirement for Barstow High. This course will provide students with the ability to design and implement computer-based solutions to problems. Students will recognize the ethical and social implications of computer use and be able to code fluently in an object-oriented paradigm using the programming language Java.

CYBERSECURITY I

Prerequisite: Passing grade in Algebra I or Integrated Math and one year experience of any operating system

Grade 10, 11, 12

Year • UC/CSU

Fulfills 10 credits of the Technical Literacy graduation requirement for Barstow High. Cyber Security I prepares students for a career in network administration and technical support with a focus on cyber security. The course includes a series of technical subjects that provide hands-on knowledge and skills in computer hardware, operating systems, networking, and security concepts.

CYBERSECURITY II

Prerequisite: Grade of "C' or better in Cybersecurity I

Grade 11, 12

Year • UC/CSU

Fulfills 10 credits of the Technical Literacy graduation requirement for Barstow High. This course builds on the skills students developed in Cybersecurity I. In today's internet-dependent business environment, secure communications is critical to networks of all types including mobile devices. Students will learn how to analyze network risks and provide the appropriate countermeasures to reduce exposure from network threats.

CAREER TECHNICAL EDUCATION (CTE)

ELECTIVE GRADUATION REQUIREMENT – 55 TOTAL CREDITS
TECHNICAL LITERACY 10 CREDITS

Medical Core I – 10 credits

Medical Core II – 10 credits

Sports Therapy – 10 credits

Sports Medicine – 10 credits

Intro to Health Careers – 10 credits

Intro to Computers – 5 credits

Microsoft Office Specialist – 5 credits

TV/Video Production – 10 credits

Art of Video Production – 10 credits

Aztec Productions – 10 credits

Intro to Game Design – 10 credits

Advanced Game Design – 10 credits

Digital Design – 10 credits

Fashion Design – 10 credits

Interior Design – 10 credits

Customer Service Occupations – 5 credits

Entrepreneurship – 10 credits

Culinary Arts I – 10 credits

Fundamentals of Law Enforcement – 10 credits

Careers in Criminal Justice – 5 credits

Criminology: Inside the Criminal Mind – 5 credits

Intro to Education – 10 credits

Automotive Fundamentals – 10 credits

Automotive Maintenance – 10 credits

Auto Collision and Repair – 10 credits

Welding and Metal Fabrication – 10 credits

Welding Technology – 10 credits

Welding Certification – 10 credits

Woodworking Occupations – 10 credits

MEDICAL CORE I

Prerequisite: None

Grade 10, 11, 12

Year • UC/CSU pending

This course is designed for all students seeking a career in the healthcare filed. The course is divided into three modules. Module I focuses on an overview of the healthcare system in the U.S., roles and responsibilities of healthcare workers, legal and ethical issues, HIPPA, communications skills, and cultural diversity. Module II will center on the language of healthcare (medical terminology) through the study of anatomy and physiology. A strong foundation in medical terminology is necessary for all students who want a career in the Health Science and Medical Technology industry. Module III introduces students to medical mathematics, infection control protocols, and CPR-First Aid. Students will also become familiar with many careers in each of the six HSMT pathways and will explore the various careers, educational requirements and common skills for each pathway. *This course may be repeated for credit.*

MEDICAL CORE II

Prerequisites: Grade of "C' or better in Medical Core I

Grade 11, 12

Year • UC/CSU

This course will provide students with an in-depth, hands-on, individual and group experience focusing on critical analyses of each human body system and the pathophysiology of injuries, diseases, and disorders. Students who successfully complete this course will be prepared for the rigor of AP Biology, College-level Anatomy and Physiology courses, as well as being prepared for their future healthcare career choice. *This course may be repeated for credit.*

SPORTS THERAPY

Prerequisite: None

Grade 10, 11, 12

Year

This class is designed to prepare students with entry level employment skills in the areas of fitness and exercise, physical therapy and athletic training. Instruction will include basic anatomy and physiology, vital signs, first aid, CPR and nutrition for fitness and sports. Specific topics such as training room management, theory and application of exercise (isometric, isotonic, isokinetic), injury prevention and rehabilitative exercises are also taught. Students' on the job training hours will be arranged by the instructor. Prerequisites include good health and communication skills. *This course may be repeated for credit.*

SPORTS MEDICINE

Prerequisite: Medical Core I

Grade 10, 11, 12

Year • UC/CSU

This course is designed to help students develop a general awareness of health careers and specific preparation for athletic trainer physical therapy and sports medicine occupations. Classroom instruction covers such topics as: basic communications, personal wellness, and occupational injury and illness prevention, Standard Precautions, principles of fitness, medical terminology and anatomy, emergency assessment, basic soft tissue and bone injuries, and management of injuries. In addition to this ongoing classroom instruction, students will have opportunities to build experience and knowledge with actual application of methods taught as well as developing professional communication skills. Throughout this course the students' core academic skills and knowledge will be reinforced. *This course may be repeated for credit.*

INTRO TO HEALTH CAREERS

Prerequisite: Grade of "C' or better in Algebra I or Integrated Math I

Grade 10, 11, 12

Year • UC/CSU

This course is designed for students interested in a career in the Healthcare industry. Students research career path options and learn about a variety of careers in the healthcare field. Students receive instruction in the concepts of group dynamics, conflict resolution and negotiation, legal and ethical responsibility, safety, first aid and standard precautions. Related mathematics and language arts standards are reinforced. Students may complete certifications in CPR and AED. *This course may be repeated for credit.*

INTRO TO COMPUTERS

See page 41 for description

MICROSOFT OFFICE SPECIALIST

See page 41 for description

TV/VIDEO PRODUCTION

Prerequisite: None

Grade 10, 11, 12

Year

Complete year fulfills 10 credits of the Technical Literacy graduation requirement for Barstow High. This course provides students with the educational background and practical experience necessary for entry-level positions in a variety of positions in television production, television broadcasting, film production and video production. The course includes the use and purpose of common equipment found in the field. Instruction and practical experience will cover single and multiple camera production video production, imaging, sound and scripting. The instruction and skill development will also provide students with a solid foundation for continued post-secondary training.

ART OF VIDEO PRODUCTION

Prerequisite: Grade of "C' or better in TV/Video Production

Grade 10, 11, 12

Year • UC/CSU

This course covers the history and development of the cinema, documentaries and other new media and film technologies. Students learn skills and practices in various aspects of production by applying the elements of art, principles of design, integration of technology for effective visual communications of their ideas, feelings, and values. Students develop skills including camera operation, framing and composition, manipulations of space and time, idea development and communication, the mechanics of psychology of editing script writing or text creation, light and sound, and impact. Students learn the historical and contemporary foundations media and participate in critiques. Students will also explore the broad range of career pathways available in the media industry.

AZTEC PRODUCTIONS (Digital Video Production and Broadcast)

Prerequisite: Passing grade in Art of Video Production and TV/Video Production and Intro to Computers

Grade 11, 12

Year • UC/CSU

Students develop skills in television and film production. Using industry-standard software packages (i.e. Adobe Master Collection), students will engage in hands-on, integrated curriculum. They work on all stages of production while creating products such as short films, advertisements, journalism, broadcasts, and documentaries. All multimedia students develop skills in the content and presentation of message design, the sociological impacts of media, and the stages of the production cycle.

INTRO TO GAME DESIGN

Prerequisite: Grade of "C' or better in Microsoft Office Specialist

Grade 10, 11, 12

Semester

Fulfills 5 credits of the Technical Literacy graduation requirement for Barstow High. This course presents an overview of the game development process including important current, historical, cultural, and economic perspectives that impact the game design industry today. Game technology is a discipline that includes the development and management of dynamic environments for games and related visual applications. The course covers game development from the most basic elements of the game development process – platforms, goals and genres, player elements, story and character development, gameplay aspects, and game designs with appropriate documentation.

ADVANCED COMPUTER GAME DESIGN

Prerequisite: Passing grade in Computer Game Design

Grade 11, 12

Semester

Fulfills 5 credits of the Technical Literacy graduation requirement for Barstow High. This course prepares students to demonstrate competency of game art and multimedia, including music, sound, art and animation. Students will build a game that demonstrates teamwork and project management by creating a game design production plan that describes the game play. Students will identify career goals and develop a career plan that explores opportunities in the video game industry.

DIGITAL DESIGN

Prerequisite: Word processing skills

Grade: 10, 11, 12

Year

Fulfills 10 credits of the Technical Literacy graduation requirement for Barstow High. This course will provide students with the skills to develop a broad perspective of art, design, communication theory, processes and tools and their applications in multimedia communications and design. Students will apply design elements and principles to projects such as print media publications, digital media and website design. Students will use technology tools that allow them to incorporate text, graphics, sounds, animation and video into their projects. Students that achieve competency will have an opportunity for employment as multimedia artists/animators, graphic artists, and cartoonists.

FASHION DESIGN

Prerequisite: None

Grade: 10, 11, 12

Year • UC/CSU

This course is designed to teach students the elements of the fashion industry. Students will learn the basic knowledge of color, illustration, design, textiles, sewing, marketing and promotion. Instruction includes fashion history, presentation skills, garment creation, retail procedures and how "green concepts" and recycling impact textiles and the environment. Students completing this course may have the opportunity to participate in an annual fashion show with garments produced in the class being on display. *This course may be repeated for credit.*

INTERIOR DESIGN
Prerequisite: None
Grade: 10, 11, 12
Year
This course is designed to teach students the elements of design. Students will learn to create an impact through the use of color, fabrics, and textures. Instruction includes the history of interior design, design theory and project presentation. Students will learn to determine the scope of a project, develop and present a proposal, and implement a project. Communication skills, interpersonal skills, teamwork and ethics are addressed. English language arts and math are reinforced throughout the course. *This course may be repeated for credit.*

CUSTOMER SERVICE OCCUPATIONS
Prerequisite: None
Grade 10, 11, 12
Semester
This course is designed to provide assessment of career interests, job search and retention training, and career research based upon individual interest. Instruction will also focus on skills necessary to succeed in most occupations. After basic training, students will select an occupational area of interest and serve an internship on the actual job site. Specific job skills will be identified and on the job instruction provided by a supervisor in the company in which the student is interning.

ENTREPRENEURSHIP
Prerequisite: Passing grade in Customer Service Occupations
Grade 10, 11, 12
Semester
This class introduces students to the concept of successfully owning and operating their own business. The course emphasizes the basic elements of entrepreneurship and includes topics such as developing a business plan, obtaining technical assistance, designing marketing strategies, financing the business, learning government regulations, legal issues, maintain business records, promoting/advertising the business, and managing human resources. The curriculum is designed to help the student explore entrepreneurship as a career path worthy of consideration and provide them with a realistic framework for starting a new business.

CULINARY ARTS I
Prerequisite: None
Grade 10, 11, 12
Year • UC/CSU
This course will provide skills in the area of food services and hospitality. These lessons are applicable to a capstone course in food service within a 3 sequence career pathway for Hospitality, Recreation and Tourism industry sector. The student receives training in kitchen safety and sanitation, equipment and facility use, knife skills, food preparation to include: cold pantry, salads, soups and sauces, introductory baking, meats and poultry, short order cook, hot-line, institutional cook, catering, cashiering, hosting, waiter/waitress, and bussing. Students will participate in the planning, costing, preparation, serving, storage and critique of meals in project based learning. Nutrition and applied academic skills are incorporated in each unit.

CULINARY ARTS II

Prerequisite: Passing grade in Culinary Arts I
Grade 11, 12
Year • UC/CSU

In this course students will expand their study of Culinary Arts and expand food production and sales to faculty through an on-site café. Students will learn and apply knowledge through standards and project-based curriculum, both in the lab class setting and in a working food service kitchen. Students will develop culinary skills through nutritional analysis and recipe costing and development. They will learn the correct use of food service equipment and food and kitchen safety; with an emphasis on local, organic and seasonal products. In additional, students will learn about small business management through the operation of a food production and catering business, including production, finance, marketing and customer service.

CULINARY ARTS III

Prerequisite: Passing grade in Culinary Arts II
Grade 12
Year • UC/CSU

In this course, students will expand their study of Culinary Arts and explore Hospitality Management. Students will learn and apply knowledge through standards and project-based curriculum, both in the lab class setting and in a working food service kitchen. Students will develop culinary skills through nutritional analysis and recipe costing and development. They will learn the correct use of food service equipment and food and kitchen safety; with an emphasis on local, organic and seasonal products. In addition, production and catering business, including production, finance, marketing and customer service. This course is designed to present theory, delivery systems, and procedures of management, implementation, and evaluation as applicable to a variety of hospitality sectors which include: lodging, restaurants, food and beverage, tourism and recreation, and other operational areas of the hospitality industry.

FUNDAMENTALS OF LAW ENFORCEMENT

Prerequisite: None
Grade 10, 11, 12
Year

As a student in our public service program, you'll receive an overview of the eligibility and training standards required for various professions in law enforcement and examine the roles and responsibilities of the police, courts, corrections, private security, and other U.S. protective agencies. You will learn the history and development of law enforcement and the concerns facing law enforcement today including discretion, civil liability, decision-making, and police community relations. You will gain practical experience in the area of police communications and the fundamentals of report writing, and learn procedures regarding probable cause, warrants, arrests, use of force, and patrol and traffic procedures.

CAREERS IN CRIMINAL JUSTICE

Prerequisite: Passing grade in Fundamentals of Law Enforcement
Grade 11, 12
Semester • UC/CSU

The criminal justice system offers a wide range of career opportunities. In this course, students will explore different areas of the criminal justice system, including the trial process, the juvenile justice system, and the correctional facilities system.

CRIMINOLOGY: INSIDE THE CRIMINAL MIND
Prerequisite: Passing grade in Fundamentals of Law Enforcement
Grade 10, 11, 12
Semester • UC/CSU
In today's society, crime and deviant behavior are often one of the top concerns of society members. In this course we will explore the field of criminology or the study of crime. The student will look at possible explanations for crime from psychological, biological, and sociological standpoints, explore the various types of crime and their consequences for society, and investigate how crime and criminals are handled by the criminal justice system.

INTRO TO EDUCATION
Prerequisite:
Grade
Year • UC/CSU
This course provides students with a field-based experience and orientation to the profession of teaching. Students will investigate and analyze the culture of schooling and classrooms by exploring various theories, social roles, structures, and current trends and issues in education. Emphasis will be placed on characteristics of effective teachers and establishing appropriate learning environments for diverse student populations.

AUTOMOTIVE FUNDAMENTALS
See page 40 for description

AUTOMOTIVE MAINTENANCE
See page 40 for description

AUTO COLLISION AND REPAIR
See page 40 for description

WELDING AND METAL FABRICATION
See page 40 for description

WELDING TECHNOLOGY
See page 40 for description

WELDING CERTIFICTION
See page 41 for description

WOODWORKING OCCUPATIONS
See page 41 for description

MISCELLANEOUS

ELECTIVE GRADUATION REQUIREMENT – 55 TOTAL CREDITS
TECHNICAL LITERACY 10 CREDITS

AVID 09 / 10 / 11 – 10 credits

AVID Senior Seminar – 10 credits

Intro to Engineering Design – 10 credits

Principles of Engineering Design – 10 credits

Driver's Education – 5 credits

Link Crew – 10 credits

Student Government and Leadership – 10 credits

Work Experience – 5 credits

Service Learning – 5 credits

Clerical Services – 5 credits

AVID 9 / 10 / 11
Prerequisite: AVID selection process
Grade 09, 10, 11
Year
The Advancement via Individual Determination program provides instruction in writing, study and time management skills to students selected from groups which are under-represented in California's four-year university campuses. It also gives tutorial support for college preparatory classes and SAT and ACT tests. Selection is based on past academic performances, standardized test scores, and attendance and behavior records. Application must be made through the program director.

AVID SENIOR SEMINAR
Prerequisite: 4th year AVID student
Grade 12
Year • UC/CSU
Enrollment is limited to fourth year AVID students. The course takes students through the college and financial aid application process, prepares them for entrance/assessment tests and takes them to higher skills levels. Concurrent enrollment in a highest –level-offered academic course is also required.

INTRO TO ENGINEERING DESIGN
Prerequisite: Concurrent enrollment in Geometry/Integrated Math I
Grade 09, 10, 11, 12
Year • UC/CSU
Complete year fulfills 10 credits of the Technical Literacy graduation requirement for Barstow High. This is the first course in Project Lead the Way. Students use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve problems in and out of the classroom. Using sophisticated three-dimensional modeling software, students communicate the details of their products. Emphasis is placed on analyzing potential solutions and communicating ideas to others.

PRINCIPLES OF ENGINEERING DESIGN
Prerequisite: Concurrent enrollment in Algebra I/Integrated Math I
Grade 10, 11, 12
Year • UC/CSU
Complete year fulfills 10 credits of the Technical Literacy graduation requirement for Barstow High. This is the second course in Project Lead the Way. Students explore the wide variety of careers in engineering and technology. They explore various technology systems and processes. Using activities, projects and problems, students learn first-hand how engineers and technicians use math, science and technology in an engineering problem-solving process to benefit the global community. The course also addresses concerns about social and political consequences of technological change.

DRIVER'S EDUCATION
Prerequisite: None
Grade 09, 10, 11, 12
Semester
This course provides students of legal driving age with ample learning experiences that will enable them in performing safely in the highway transportation system. Course is classroom instruction only, no behind the wheel training available.

LINK CREW
Prerequisite: Application process with teacher approval
Grade 11, 12
Year
Link Crew is a program for 11th and 12th grade students to help incoming freshman transition to high school. Juniors and seniors who are accepted into the Link Crew class welcome freshmen and make them feel comfortable throughout their first year of their high school experience., Built on the belief that students can help fellow students succeed, Link Crew trains members of the classes to be Link Leaders. As positive role models, Link Leaders are motivators, leaders and teachers who guide the freshmen to discover what it takes to be successful during the transition to high school and help facilitate freshman academic, social and environmental success.

STUDENT GOVERNMENT AND LEADERSHIP
Prerequisite: Elected ASB officers and class officers
Grade 09, 10, 11, 12
Year • UC/CSU pending
This class provides student leaders the opportunity to develop leadership skills and provides time to accomplish their duties of office working with the administration on school issues. An emphasis is placed on action rather than academics. Students enrolled in Student Government brainstorm, plan, and facilitate student body activities on campus throughout the school year.

WORK EXPERIENCE
Prerequisite: 2.0+ GPA, employment and valid work permit
Grade 10, 11, 12
Semester
Work Experience provides students with on the job work related activities, promotes career guidance, and assists students in becoming productive, responsible citizens through gainful employment.

SERVICE LEARNING
Prerequisite: Teachers recommendation
Grade 11, 12
Semester
Service Learning provides students with learning through active participation in thoughtfully organized service that meets actual community needs. The service is coordinated in collaboration with the school and the community. Service Learning is integrated into the student's academic curriculum and structured time is provided for reflection. Students will discuss, listen, and write about what they did and saw during actual service. *This course may be repeated for credit.*

CLERICAL SERVICES
Prerequisite: Grades 11 or 12
Grade 11, 12
Semester
This course is an on-campus program designed to give each student training in working with a teacher and/or office personnel. Teachers and office personnel may have their student aids type, copy, file, answer phones, and assist with paperwork and record keeping. Students may also pick up and deliver mail, permit slips and educational materials to locations on campus. Computers may be used in this class for word processing. Seniors may work with a teacher or in an office setting while junior can work in an office and not with a teacher. A maximum of 10 units, (one class per semester) of Clerical Services may be taken in any given year. Grades earned are Pass/Fail.