

**Clairemont High School
Course Offerings and Descriptions**

Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
Advanced Accounting 1,2	<p>This introductory career technical education course is designed to prepare students for entry-level jobs in accounting and provide fundamentals needed by students who wish to pursue baccalaureate degrees in Business Administration or Accounting.</p> <p>This program includes many personal finance skills and economic concepts. Students become acquainted with the principles of double-entry bookkeeping, including the preparation of financial statements for small, sole proprietorship and partnership businesses.</p>	Practical Arts	10	<i>Academy of Business Requirement</i>
Art 1,2	<p>This course serves as a basis for general visual art education, providing a foundation for advanced art courses. It integrates production, aesthetics, criticism, and art history through the exploration of visual art elements and principles.</p>	F Visual and Performing Arts	9-12	None
AVID Junior Year	<p>AVID Senior Seminar (Junior Year) is the first year of a two-year course designed to prepare students for entry into college. Part of the national AVID program, it is intended for students who seek the rigor of a college preparatory course. Organized around the theme "Leadership as a Catalyst for Change in Society," the focus of the junior year is on the study of 8–10 contemporary leaders, of which students will choose one to study in depth in their senior year. Although this course does not earn college-prep credit, students must take it in order to receive University of California elective (i.e., g) credit for the senior-year portion of the course.</p>	Elective Credit Only (Must take this course to receive "G" credit in AVID Senior Year course)	11	Previous enrollment of at least one year in an AVID elective course prior to grade 11

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
<p>AVID Peer Support</p>	<p>Students enrolled in this course provide tutorial support to students enrolled in AVID elective and other lower-division courses, including English 1,2, English 3,4, Integrated Math I A-B, and Physics 1,2. Tutors are trained to apply AVID strategies and materials with their students and to work with these students individually and in cooperative groups, assisting them to build a strong learning foundation in all core content areas.</p> <p>AVID tutors hone their communication skills, group facilitation techniques, and peer-to-peer teaching strategies while strengthening their self-awareness and leadership skills. Tutors who complete the course requirements successfully will earn AVID certification from the AVID Center and Region IX and service learning recognition on their transcripts.</p> <p>AVID Peer Support is tailored to match the unique needs of each high school. The course provides students with the opportunity to explore the teaching profession, to strengthen their content knowledge, to gain a service learning experience involving the support of their peers and school, and to acquire certification that may extend their association with AVID tutoring beyond high school.</p>	<p>Elective Credit Only</p>	<p>11-12</p>	<p>Application and interview through AVID coordinator</p>

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
AVID Senior Year	<p>The AVID Senior Seminar (Senior Year) is the culmination of a student's years in the AVID program. The course involves substantial critical reading and writing; preparation for external exams, such as those for advanced placement and international baccalaureate; and weekly Socratic seminars.</p> <p>Senior Seminar students, working with tutors, are expected to participate in, and eventually to act as moderators for, Socratic seminars. These discussions move beyond didactic instruction and assist students in gaining multiple perspectives on texts, by requiring them to support arguments with clear reasoning and evidence, and to develop their critical-thinking skills to the degree necessary for success in college.</p>	<p>G</p> <p>College Prep Elective</p> <p>When taken in conjunction with Avid Senior Seminar (Junior Year) 1,2</p>	12	<p>Successful completion of AVID Senior Seminar (Junior Year) 1,2 or successful completion of 2 years of High School AVID</p>
AVID Senior High	<p>The AVID course is an elective class for students who are college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. To ensure success in college-prep coursework, students work individually, as well as in tutor-led collaborative groups. Note taking, outlining, writing, speaking, reading, test-taking strategies, and self-awareness are stressed. In addition, the course includes college motivational and career exploration activities.</p>	<p>Elective Credit Only</p>	9-12	<p>GPA between 2.0 and 3.0; average or above-average standardized test scores, especially in mathematics; enrollment in algebra or a higher-level math course; student interview; high motivation; positive attitude; parent contract</p>
Band 1,2 Intermediate	<p>Band (Senior High) Intermediate is offered to students who have completed beginning band work or who have had equivalent study and experience. Students will further their expertise on their chosen band instrument in an ensemble setting, learning more complex musical notation, rhythms, and terminology. This course will focus on the core VAPA music standards and will present at least one performance a semester.</p>	<p>F</p> <p>Visual and Performing Arts</p>	9-12	<p>None</p>

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
Band 1,2 Advanced	Band (Senior High) Advanced is offered to students who have completed Band 1,2 Intermediate or have had equivalent study of, knowledge of, or experience in music. Students will learn and perform advanced band literature in an ensemble setting. This course will focus on the development of technical skill, musical understanding, and core VAPA music standards. Students in this course will present frequent performances, which may include school and community events.	F Visual and Performing Arts	10-12	Band Intermediate 1,2
Biology 1,2	This introductory course is designed to meet college entrance requirements and prepare students for the worlds of school, work, and citizenship. It builds on physical science concepts, and emphasizes mechanisms for the functioning and continuity of organisms. Unifying themes of biology are stressed (evolution, homeostasis, energy, matter and organization, continuity, development, and ecology) and the application and relevance of biology to students' lives and to society. Inquiry and the nature of science are important content elements.	D Science	9	None
Biology 1,2 Advanced Placement*	The AP Biology course is equivalent to a two-semester college introductory biology course. Students successful in this course attain a deep grasp of fundamental biological concepts that focuses on enduring, conceptual understanding and the content that supports it.	D Science	11-12	Chemistry 1,2 and Biology 1,2, or equivalents; the commitment to succeed in rigorous AP content. Some students with high achievement in Chemistry 1,2 may qualify to take this as their first course in biology

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
Business 100 1,2	This two-semester course provides an overview to all aspects of starting and operating a small business. Students obtain hands-on experience in human resources, finances, accounting, and marketing. The class includes instruction in economics, business ethics, leadership, management, the role of government in business, and developing a career plan. Students may participate in a trade fair to sell their products and services.	Elective Credit Only Practical Arts	9	<i>Academy of Business Requirement</i>
Business and Financial Markets 1,2	This course is designed to provide students with entry-level training and preparation for post-secondary education and careers in business and finance. It is intended as an advanced-level course in the sequence of courses that make up the Academy of Finance, at sites where the academy is offered. The course has a real-world emphasis, allowing students to gain an understanding of the requirements of the various jobs that are available in the business and finance industries as they explore different career options in the two fields. This course is offered in single-period and double-period formats. Paid and unpaid internships are part of the course curriculum.	G College Prep Elective Credit Practical Arts	11	<i>Academy of Business Requirement</i>
Business and Financial Markets 3,4	This course is designed to provide students with entry-level training and preparation for postsecondary education and careers in business and finance. It is intended as an advanced-level course in the sequence of courses that make up the Academy of Finance, at sites where the academy is offered. The course has a real-world emphasis, allowing students to gain an understanding of the requirements of the various jobs that are available in the business and finance industries as they explore different career options in the two fields. Paid and unpaid internships are part of the course curriculum.	G College Prep Elective Credit Practical Arts	12	<i>Academy of Business Requirement</i>

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
Calculus 1-2 Honors* <i>(Pre-Calculus)</i>	This course is offered to students who have demonstrated superior achievement and motivation in mathematics. The course is designed to be a third-year course in algebra. It includes a strong treatment of trigonometry, limits, and algebraic functions. After successful completion of this course, the student will be prepared for the first course of calculus.	C Math	10-12	Integrated Math III
Calculus AB 1-2 Advanced Placement*	AP courses in calculus consist of a full high school academic year of work and are comparable to calculus courses in colleges and universities. Calculus AB is primarily concerned with developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. The courses emphasize a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally.	C Math	11-12	Precalculus 1-2 Honors or equivalent course; recommendation of teacher and/or counselor
Calculus BC 1-2 Advanced Placement*	This course offers students a full academic year of work in calculus comparable to a college-level course in the subject. It contains all the content of Calculus AB 1-2 AP and provides students with additional experience in the methods and applications covered in that course, expressing concepts, problems, and results geometrically, numerically, analytically and verbally.	C Math	11-12	AP Calculus AB
Computer Science Principles 1,2 Advanced Placement*	This course is designed to provide a broad overview of computer science that will develop computational thinking practices and creativity. Students will examine the practical and ethical impact of advances in computing on people and society. They will also learn how to analyze a problem and create a digital artifact in environments such as Alice, Python, and AppInventor. By the end of this course, students will be able to critically analyze computing innovations, as well as create applications that express their interests.	G College Prep Elective Practical Arts	10	<i>Academy of Information Technology Requirement</i>

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
Chemistry 1,2 Honors*	Students who complete this course successfully will gain a depth of understanding of chemical concepts and processes. They will also develop their critical thinking and analytical skills. The class includes experimental laboratory activities, class discussions, reading, and critical analysis leading to deeper understanding, and it emphasizes human inquiry and the nature of science.	D Science	10	None
Digital Electronics 1,2	This Project Lead the Way course provides entry level, upgrade, and advanced training in electronics technician occupations. Employment possibilities include electronics technician, test technician, quality control tester, quality assurance technician, and repair technician. Instruction covers safety, AC and DC electronics, semiconductor devices, electronic circuits, communications, IC timers, operational amplifiers, digital techniques, microprocessors, and computer technology. Students use equipment that includes meters, oscilloscopes, function generators, frequency counters, and computers. Completion of the course depends upon the student's entry-level skills and rate of progress. Approximately 180 hours of attendance are needed to meet minimum competencies. This course is offered in single-period and double-period formats. Paid and unpaid internships are part of the course curriculum.	G College Prep Elective Practical Arts	11	<i>Academy of Engineering Requirement</i>
Drawing and Painting 1,2	This course is designed for students who have demonstrated talent in prerequisite courses and who desire to pursue a sequence of studies in art. Primary emphasis is placed on drawing, composition, and painting and in knowing and applying a variety of techniques and styles to develop individual personal creative expression.	F Visual and Performing Arts	10-12	Art 1-2

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
Economics 1 <i>(Principles of Economics)</i>	<p>This one-semester course deepens students' understanding of the economic problems and institutions of the nation and the world. Students learn to make reasoned decisions on economic issues through the study of fundamental economic concepts, comparative economic systems, microeconomics, macroeconomics, and international economics.</p> <p>Principles of Economics also includes the district-approved financial literacy curriculum, which helps students learn the connection between career and income as well as how to file taxes, budget money, and manage bank accounts, credit cards, and credit scores.</p>	A Social Studies	12	None
English 1,2 Cluster	<p>English 1,2 is a one-period, balanced literacy course required of all grade 9 students, except those enrolled in English 1,2 Block (1552, 1553). The course content focuses on teaching students skills and strategies for critical, independent reading and writing of complex expository and narrative texts. The course utilizes balanced literacy instructional approaches. Instruction in each standards-based unit of study interrelates reading, writing, oral communication, and language study. Students are provided with multiple opportunities to articulate their own ideas as well as to question, interpret, and evaluate others' ideas. While similar to English 1,2, instruction in this course supports in-depth and more independent research-based reading and writing as well as critical analyses of a range of challenging literary and informational texts.</p>	B English	9	None
English 3,4 Advanced	<p>This course emphasizes the critical analysis of complex expository and narrative texts. Each standards-based unit of study interrelates reading, writing, oral communication, and language study. Students are provided with multiple opportunities to articulate their own ideas as well as to question, interpret, and evaluate others' ideas.</p>	B English	10	None

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
English Language and Composition 1,2 Advanced Placement*	<p>This Advanced Placement English course is designed to help students become more skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and to become skilled writers who can compose for a variety of purposes. By their writing and reading in this course, students should become aware of the interactions among a writer's purposes, audience, expectations, and subjects, as well as the way generic conventions and the resources of language contribute to effective writing. The overall purpose of the AP English Language and Composition course, then, is to enable students to read complex texts with understanding and to write prose that is rich enough and complex enough for mature readers. This course (a) meets the district's American literature graduation requirement, (b) meets the requirements for the Diploma with Academic Distinction</p>	<p>B English</p>	<p>11</p>	<p>None</p>
English Literature and Composition 1,2 Advanced Placement*	<p>This Advanced Placement English course involves students in both the study and practice of writing and the study of literature. They learn to use the characteristic modes of discourse and to recognize the assumptions underlying various rhetorical strategies. Through speaking, listening, and reading, but chiefly through the experience of their own writing, students become more aware of the resources of language. Advanced Placement English Literature and Composition 1,2 is not a survey course; it is, rather, a course to help students develop critical judgment and expressive skill. Students are encouraged to read analytically and sensitively a few carefully chosen high-quality selections, to develop personal communicative styles, and to reflect honesty and precision in the use of the language. The course prepares students for the <i>Advanced Placement Examination in Literature and Composition</i>, and also meets the requirements for the Diploma with Academic Distinction.</p>	<p>B English</p>	<p>12</p>	<p>None</p>

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
Environmental Science 1,2 Advanced Placement*	<p>This advanced-level course is designed as the equivalent of a one-semester college-level course in environmental science. It provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems, to evaluate the relative risks associated with these problems, and to examine solutions for resolving or preventing them.</p>	<p>D Science</p>	<p>11-12</p>	<p>Successful completion of Biology 1-2, Chemistry 1-2 and Physics 1-2</p>
English 47A San Diego Mesa College Course	<p>This is a course in essay writing that focuses on the writing of the argumentative essay. In this course students practice the writing process in the production and editing of essays. In addition, students read and think critically using a variety of texts that are the basis for writing and class discussion. In addition to earning a grade for the course, students must also pass a timed-writing examination at the end of the course, holistically graded by English instructors.</p>	<p>Dual Credit: B English Mesa College credit</p>	<p>11-12</p>	<p>None</p>
English 101 San Diego Mesa College Course	<p>This course is designed for transfer-level students or for those who want to develop competence in college level reading and composition. Students read, analyze, discuss and think critically using a variety of works and sources. Based on these activities, students write essays, fully documented research projects, and other types of texts for various purposes and audiences. This written work, which demonstrates effective, logical, and precise expression of ideas, totals at least 6000 graded words. Designated sections of this course may be taught from a specific cultural perspective.</p>	<p>Dual Credit: B English Mesa College credit</p>	<p>11-12</p>	<p>English 47A</p>

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
ERWC 1,2 <i>(Expository Reading and Writing)</i>	The goal of ERWC is to prepare college-bound seniors for the literacy demands of higher education. Through a sequence of rigorous instructional modules, students develop advanced proficiencies in expository, analytical, and argumentative reading and writing. Students in this course read and analyze a wide range of nonfiction and literary texts.	B English	12	None
Foundations in Information Technology 1,2	This introductory-level course uses a thematic approach to help students acquire basic technology skills aligned to the National Education Technology Standards (NETS). Learning is centered on the four career pathways of the Information and Communication Technologies industry sector: Games and Simulation, Information Support and Services, Networking, and Software and Systems Development. Students are introduced to technology concepts and practices, and gain a foundational understanding of each of the four pathways.	G College Prep Elective Practical Arts	9	<i>Academy of Information Technology Requirement</i>
Game Design 1, 2	Game Design provides students with a comprehensive introduction to creating, designing, programming, and marketing a computer game. Students learn about the history of game design, game theory, trends in the industry, and opportunities for employment. They also learn how a combination of programming, graphics, and storytelling can make a game compelling and marketable and how to apply that approach to other industries. Through hands-on activities and interactive learning tools, students develop critical- thinking and problem-solving skills.	G College Prep Elective Practical Arts	11	<i>Academy of Information Technology Requirement</i>

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
Government 1	<p>In Government 1 students apply knowledge gained in previous years of study to pursue a deeper understanding of the institutions of American government. This course focuses on the U.S. Constitution and Bill of Rights, the courts and governmental processes, the legislative and executive branches of government, state and local government, and comparative government.</p> <p>Government 1 is the culmination of the civic literacy strand that prepares students to vote, to reflect on the responsibilities of citizenship, and to participate in democratic activities and processes.</p>	<p>A</p> <p>Social Studies</p>	<p>12</p>	<p>None</p>
Human Body Systems 1,2	<p>Human Body Systems is the second course in a four-year sequence of courses comprising the PLTW Biomedical Sciences Program. It also serves as an intermediate-level career-path course in the Health Sciences and Medical Technology industry sector.</p> <p>This course continues instruction begun in the introductory Principles of Biomedical Sciences course, while narrowing its area of focus to human body systems, and how they interact to maintain homeostasis (internal balance) and good health. Students learn about the processes, structures, and connections of the human body systems through hands-on investigation: they design experiments to explore modes of communication within the human body; investigate how the human body systems obtain, distribute and processes energy; and get a close-up look at how locomotion (movement) is achieved. It also prepares students for the third year of the program, where the focus will be medical intervention.</p>	<p>D</p> <p>Science</p>	<p>10</p>	<p><i>Academy of Healthcare Requirement</i></p>

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
Integrated Math I A-B	Integrated Math I is the first of three high school–level courses that integrate algebra, geometry, trigonometry, and statistics under the Common Core State Standards. This course formalizes and extends the mathematics that students learned in middle school. This course includes much of the content of an Algebra I course as well as geometry and statistics.	C Math	9-12	None
Integrated Math II A-B	Integrated Math II is the second of three high school–level courses that integrate algebra, geometry, trigonometry, and statistics under the Common Core State Standards. This course focuses on quadratic expressions, equations, and functions while comparing their characteristics and behavior to those of linear and exponential relationships as encountered in Integrated Math I A-B.	C Math	9-11	IM I A-B
Integrated Math III A-B	Integrated Math III is the third of three high school-level courses that integrate algebra, geometry, trigonometry, and statistics under the Common Core State Standards. The course extends the mathematics students learned in Integrated Math II A-B. Students expand their repertoire of functions to include polynomial, rational, and radical functions. The expand study of right-triangle trigonometry to include general triangles. They bring together data, functions, and geometry to create models and solve contextual problems.	C Math	10-12	IM II A-B
Journalism 1,2	This course introduces students to the basic techniques and skills of journalistic writing and prepares them to contribute to school publications. Students also explore the meaning of freedom of the press and how other freedoms depend on an informed citizenry.	G College Prep Elective Practical Arts	9-12	None

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
Journalism 3,4	This course is intended to sharpen the skills introduced in Journalism 1,2 and provide experience with a high degree of realism and application to college or career journalism. The students function as a staff, producing the official school newspaper. Students not involved in the daily production of the paper work on longer-term journalism projects. Production assignments are flexible in order to provide students with a range of appropriate experiences.	G College Prep Elective Practical Arts	10-12	Journalism 1-2
Introduction to Design	Introduction to Design is a foundation course in PLTW's engineering pathway of courses. It utilizes the same curriculum as Introduction To Engineering Design I 1,2, but includes supplemental units of instruction and projects that address the five strands of the state Visual and Performing Arts content standards.	F Visual and Performing Arts	9	<i>Academy of Engineering Requirement</i>
Math 96 Intermediate Algebra and Geometry San Diego Mesa College Course	Intermediate algebra and geometry is the second of a two-course integrated sequence in algebra and geometry. This course covers systems of equations and inequalities, radical and quadratic equations, quadratic functions and their graphs, complex numbers, nonlinear inequalities, exponential and logarithmic functions, conic sections, sequences and series, and solid geometry. The course also includes application problems involving these topics	Dual Credit: C Math Mesa College credit	11-12	None
Math 119 Elementary Statistics San Diego Mesa College Course	This course covers descriptive and inferential statistics. The descriptive portion analyzes data through graphs, measures of central tendency and spread. Other statistical practices utilize basic probability, binomial and normal distributions, estimation of population parameters, hypothesis testing, linear regression and correlation. Analytical reading and problem solving are required for success in this course.	Dual Credit: C Math Mesa College credit	11-12	Math 96

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
Math 121 Basic Techniques of Applied Calculus I San Diego Mesa College Course	This course examines the study of calculus using numerical, graphical, and analytical methods to analyze calculus problems encountered in real-world applications in business, natural/life sciences, and social sciences. Topics include limits, derivatives, and integrals of algebraic, exponential, and logarithmic functions, curve sketching, optimization, and areas under and between curves and partial derivatives and optimization of multivariable functions. This is the first course in a sequence of mathematics courses for students intending to major in business, economics, or natural and social sciences.	Dual Credit: C Math Mesa College credit	11-12	A satisfactory score on the Qualifying Exam (administered at Clairemont)
Math 122 Basic Techniques of Applied Calculus II San Diego Mesa College Course	This second course in a math sequence covers methods of integration, multivariable functions and optimization problems, differential equations, Taylor series development and application, derivatives and integrals of trigonometric functions, and their usage in solving problems encountered in real-world applications in business, life and social sciences and economics. It is intended for students majoring in business, natural science, social science and economics.	Dual Credit: C Math Mesa College credit	11-12	Math 121 with a grade of C or better
Medical Interventions 1,2	Medical Interventions is the third course in a four-year sequence of courses that makes up the Project Lead the Way Biomedical Sciences Program. Students in this course are introduced to a wide range of medical interventions related to immunology, genetics, pharmacology, surgery, medical devices and diagnostics. Interventions range from simple diagnostic tests to the treatment of complex diseases and disorders; all are aimed at extending and improving quality of life. Lifestyle choices and preventive measures are emphasized throughout the course.	D Science	11	<i>Academy of Healthcare Requirement</i>

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
Peer Tutoring: Special Needs 1,2	This course trains students to provide tutorial support to students with special needs at their site. It is taught by special education teachers, who provide ongoing training and oversight throughout the duration of the course. Students are introduced to the basic principles of the Individuals With Disabilities Act (IDEA) and the state’s 14 recognized disabilities. They learn special education terminology, people-first language, positive behavior supports, and curricular-adaptation provisions, and then apply this knowledge to their tutoring work. Students’ peer-tutoring responsibilities include coaching learning-disabled students through lessons, providing instructional feedback, and celebrating successes.	Elective Credit Only	11-12	None
Physical Education 1,2	This course is intended to help grade 9 students meet or exceed high school physical education content standards 1–3 and the corresponding performance standards for Course 1, 1.1–3.10. All high school students must receive instruction in, and be assessed in, the following eight content areas: (1) effects of physical activity upon dynamic health; (2) mechanics of body movement; (3) aquatics; (4) gymnastics and tumbling; (5) individual and dual sports; (6) rhythms and dance; (7) team sports; and (8) combatives/self-defense.	PE Credit only	9	None
Physical Education 3,4	This course is intended to help grade 10 students meet or exceed high school physical education content standards 1–3 and the corresponding performance standards for Course 2, 1.1–3.9. All high school students must receive instruction in, and be assessed in, the following eight content areas: (1) effects of physical activity upon dynamic health; (2) mechanics of body movement; (3) aquatics; (4) gymnastics and tumbling; (5) individual and dual sports; (6) rhythms and dance; (7) team sports; and (8) combatives/self-defense.	PE Credit only	10	None

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
Physical Education 5,6	<p>This level of instruction provides six elective options for students who have previously completed High School Courses 1 and 2 (i.e., Physical Education 1,2, and Physical Education 3,4) and passed the state-mandated fitness test:</p> <p style="padding-left: 40px;">Course 3A: Adventure/Outdoor Activities Course 3B: Aerobic Activities Course 3C: Individual and Dual Activities Course 3D: Dance Course 3E: Aquatics Course 3F: Weight Training and Fitness</p>	PE Credit only	11	Physical Education 3,4 or equivalent; passage of state-mandated fitness test.
Physical Education 7,8	<p>This course is intended to help students in grades 11–12 meet or exceed high school physical education content standards 1–3 and the corresponding performance standards for Courses 4A–4D.</p> <p>This level of instruction provides a continuation of four elective options for students who have previously passed the state-mandated fitness test and successfully completed the first part of the elective sequence in High School Course 3 (Physical Education 5,6):</p> <p style="padding-left: 40px;">Course 4A: Advanced Adventure/Outdoor Activities Course 4B: Advanced Aerobic Activities Course 4C: Advanced Individual and Dual Activities Course 4D: Advanced Dance</p>	PE Credit only	11-12	Physical Education 5,6 or equivalent; passage of state-mandated fitness test; completion of the first part of the elective sequence in High School Course 3.
Public Speaking 1,2	<p>This course in oral communication interrelates reading, writing, listening, and speaking. Students research, write, and deliver speeches for a variety of purposes, both informal and formal, to varied audiences. The course emphasizes the effective delivery of a variety of speeches including speeches to inform, persuade, entertain, and communicate.</p>	Elective Credit Only	9-12	None

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Public Speaking 3,4	This course is directed primarily toward platform speaking. Laboratory experiences are provided through speech and debate competitions. Emphasis is on composition and delivery of effective speeches, understanding of historical and social functions of speech, and development of thinking and listening skills for critical analysis.	Elective Credit Only	10-12	None
Physics 1,2	This two-semester, algebra-based physics course is designed to provide an introductory experience with the processes of investigating the physical world and the understandings derived from that process. The emphasis is on developing a qualitative conceptual understanding of general principals and models and on the nature of inquiry. This course concentrates on conceptual development and provides an enriching laboratory experience; it can be taken by students in grades 9 and 10 as a first course in physics that prepares them for the more mathematically rigorous Advanced Placement physics courses. The core content addressed in this course includes the topics of motion and forces, the conservation of energy and momentum, heat and thermodynamics, waves and electric and magnetic phenomena.	D Science	9-12	None
Political Science 101 Introduction to Political Science San Diego Mesa College Course	This course is an introduction to the field of Political Science. Emphasis is placed on the concepts and methodologies used in the study of political institutions, political participation, public opinion, and the international political system. Topics also include a survey of political theory and the history of American political ideology and culture. This course is offered by the San Diego Community Colleges on high school campuses. Selected high school seniors who have demonstrated high ability in history–social studies may be permitted to enroll.	Dual Credit A Social Studies Mesa College Credit	12	Outstanding achievement in <u>United States History 1,2 AP</u> or another advanced U.S. history course; or outstanding achievement in <u>United States History And Geography 1,2</u> and a world history course and teacher/counselor recommendation

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
<p>Political Science 102</p> <p>The American Political System</p> <p>San Diego Mesa College Course</p>	<p>This comprehensive survey course provides an in-depth study of the American political system. National and California systems of government are studied from the perspective of constitutional frameworks and political institutions, processes, issues, and policies. Other topics include political participation; political parties and interest groups; social movements and minorities; civil liberties; and the role of political ideology, culture, and the mass media in shaping public opinion and policymaking.</p> <p>This course is offered by the San Diego Community Colleges on high school campuses. Selected high school seniors who have demonstrated high ability in history–social studies may be permitted to enroll.</p>	<p>Dual Credit A Social Studies Mesa College Credit</p>	<p>12</p>	<ul style="list-style-type: none"> • Satisfactory grade/performance in Political Science 101 • Minimum HS GPA of 2.5 or higher • Must maintain a 2.0 in college coursework
<p>Principles of Biomedical Science 1,2</p>	<p>Principles of Biomedical Sciences is a foundation course in the Health Sciences and Medical Technology industry sector, and the first course in a four-year sequence of courses comprising the PLTW Biomedical Sciences Program. Students in this introductory course are introduced to the study of human medicine, including research processes, and bioinformatics. Hands-on projects enable students to investigate the human body systems and various health conditions, including: heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They investigate lifestyle choices and medical treatments that may prolong the lives of people living with these diseases. Other topics include metabolism, inheritance of traits, feedback systems, and defense against disease. This course is designed to lay the scientific foundation for the rest of the courses in the PLTW Biomedical Sciences Program, and provide students with a general overview of the concepts and ideas they will explore in greater detail later.</p>	<p>D Science</p>	<p>9</p>	<p><i>Academy of Healthcare Requirement</i></p>

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
Principles of Engineering 1,2	This Project Lead the Way course helps prepare students for post-secondary education. The course helps students understand the fields of engineering and engineering technology. Students explore various technology systems and manufacturing processes, which helps them learn how engineers and technicians use mathematics, science, and technology in an engineering problem-solving process to benefit people. The course also addresses concerns about social and political consequences of technological change. Students use computers, measuring instruments, testing equipment, and computer-controlled automation equipment.	G College Prep Elective	10	<i>Academy of Engineering Requirement</i>
Psychology 1,2 Advanced Placement*	This two-semester course introduces students to the systematic and scientific study of the behavior and mental processes of human beings. Students are exposed to the facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about methods psychologists use in their science and practice.	G College Prep Elective	10-12	None
Sociology 100 Introduction to Sociology San Diego Mesa College Course	This course is an introductory study of the basic concepts, theoretical approaches, and methods of sociology. Topics include the scientific study of social interaction, structure, and organization; groups; socialization and the self; social stratification; culture and diversity; social change; and global dynamics. Topics and examples emphasize present-day America, including cross-cultural and multicultural analysis.	Mesa College Credit		<ul style="list-style-type: none"> • Minimum HS GPA of 2.5 or higher • Must maintain a 2.0 in college coursework

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
Spanish 1-2	This functions-based, introductory course is open to all students who wish to begin the study of Spanish language and cultures. It is intended to develop novice to mid-novice oral-language proficiency as well as limited facility in reading and writing. Major emphasis is on the development of listening and speaking abilities at the novice level with reasonably accurate pronunciation and intonation. Programmed instruction and technology, under the direction of the Spanish teacher, may be used to facilitate instruction and language practice. The course is not designed for students who are fluent or nearly fluent in Spanish as evidenced by the Spanish I.P.T. or other language assessments. It is recommended that fluent or nearly fluent students enroll in a Spanish for Spanish Speakers course or a higher-level Spanish course.	E World Language	9-12	None
Spanish 3-4	This functions-based course is designed for students who have successfully completed Spanish 1-2. It is a continuation of the introductory course and is intended to consolidate students' listening and speaking skills at the mid-novice level, with bridging opportunities to high novice. Reading receives increased attention, although the primary emphasis remains the development of oral-language proficiency. Programmed instruction and technology, under the direction of the Spanish teacher, may be used to facilitate instruction and language practice. The course is not designed for students who are fluent or nearly fluent in Spanish as evidenced by the Spanish I.P.T. or other language assessments. It is recommended that fluent or nearly fluent students enroll in a Spanish for Spanish Speakers course or a higher-level Spanish course.	E World Language	9-12	Spanish 1-2
Spanish 5-6	This functions-based course is designed for students who have successfully completed Spanish 3-4. It is intended to move students' oral proficiency to the intermediate level and to develop both reading comprehension and writing accuracy at that level. As the need for accuracy increases, grammar instruction becomes more significant.	E World Language	9-12	Spanish 3-4

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
Spanish 7-8 Honors*	Spanish 7-8 Honors is a highly rigorous course designed for students who have successfully completed Spanish 5-6 and wish to continue their language studies. This college-level course requires extensive reading of literature and academic writing beyond what would be expected in the standard Spanish 7-8 course. This accelerated program is both contextually rich and cognitively demanding. The course uses a communicative approach that provides opportunities for students to use the second language appropriately in a range of authentic social and academic contexts and for a variety of purposes. There is an emphasis on research and academically challenging oral projects. Through the study of a variety of texts selected for this course, students will develop critical thinking skills and enhance their cultural perspectives of diverse peoples around the world.	E World Language	10-12	Spanish 5-6
Spanish Language 1-2 Advanced Placement*	This course is designed for students who wish to pursue the equivalent of a third-year college-level course in advanced composition and conversation. Course content reflects intellectual interests shared by students and teacher in the arts, history, current events, literature, culture, and sports. The course stresses oral skills, composition, and grammar and emphasizes the use of language for active communication.	E World Language	9-12	Spanish 5-6 or higher; B average or higher; recommendation of teacher
Sports Medicine 1,2	This course serves as an advanced-level course for the Patient Care career pathway of the Health Science and Medical Technology industry sector of courses. Students in this course engage in an in-depth study of whole-body anatomy and physiology, and learn about the processes involved in the treatment, management and healing of injuries. Students are introduced to medical terminology, and evaluation techniques for common diseases and injuries, as well as strategies for rehabilitation and recovery. Numerous laboratory activities provide opportunities for student investigation and experimentation.	G College Prep Elective	11-12	None

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
Sports Medicine 3,4	This course serves as an advanced-level course for the Patient Care career pathway of the Health Science and Medical Technology industry sector of courses. Students in this course engage in an in-depth study of whole-body anatomy and physiology, and learn about the processes involved in the treatment, management and healing of injuries. Students are introduced to medical terminology, and evaluation techniques for common diseases and injuries, as well as strategies for rehabilitation and recovery. Numerous laboratory activities provide opportunities for student investigation and experimentation.	G College Prep Elective	11-12	None
Statistics 1-2 Advanced Placement*	In this non-calculus, college-level introductory course, students study descriptive and inferential statistics and take the Advanced Placement examination at the end of the year. The course provides students with the opportunity to continue their study of mathematics in an area other than calculus	C Math	11-12	Satisfactory achievement in three previous, sequential years of math courses, and recommendation of the teacher and/or counselor.
Theater 1,2	The first year's instruction in theatre is directed primarily toward acquiring performance and language skills through acting, reading, speaking, listening, writing, and body control. The student will observe and evaluate elements of production and identify the significance of dramatics in the media and the workplace.	F Visual and Performing Arts	9-12	None
Theater 3,4	The second year's instruction in theatre emphasizes the practical application of dramatic theory and relates dramatic expression to cultural development by involving students in a variety of production techniques, including makeup, analysis, and stagecraft. Research and performance of scenes with historical and/or cultural contexts are covered.	F Visual and Performing Arts Practical Arts	10-12	Theatre 1,2

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
Theater 5,6	The third year's instruction in theatre is directed primarily toward play production, critical analysis, and original dramatic writing. Coursework provides a realistic balance between concepts and performance.	F Visual and Performing Arts Practical Arts	10-12	Theatre 3,4
Theater 7,8	The fourth year's instruction in theatre is directed toward leadership and career development in theatre arts. This course will expand the student's capacity to write, direct, and produce complex characters, scenes, and plays. Development of advanced entry-level competencies for careers in artistic or technical theatre are explored.	F Visual and Performing Arts Practical Arts	10-12	Theatre 5,6
United States History and Geography 1,2 Honors*	This course is designed for the rigorous study of U.S. history and geography. The content includes a study of American history from the late nineteenth century to the present, with major emphasis on the development of American ideals and institutions. Students examine important issues and historical forces that have shaped the nation, including race, gender, politics, economics, foreign policy, culture, and the environment. Original documentary sources are used to supplement the text and enrich the student's experience. Research techniques are taught. All students must pass an end-of-course examination.	A Social Studies	11	None

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Course	Course Description	A-G Credit	Grade Level Range	Course Prerequisite
Video Production 1,2 and 3,4	<p>This course develops student skills in video production. Areas of emphasis include scriptwriting, equipment operation, studio and remote production techniques, on-camera oral communication skills, critical television viewing, and occupational opportunities in video.</p> <p>This course reinforces Common Core State Standards and California Career Technical Education model curriculum standards in a relevant, applied setting.</p>	F Visual and Performing Arts	9-12	None
World History and Geography 1,2	In this course students examine the following strands: history, geography, economics, culture, and ethics. The course emphasizes national identity, constitutional heritage, and citizenship. It exercises varied study, visual, map/globe, and critical-thinking skills. World history from the late 1700s to the present is explored. The curriculum is designed to increase students' capacity to think analytically and critically.	A Social Studies	10	None
Yearbook	This course provides individual specialized training and production work in publishing the school yearbook.	No A-G Credit Practical Art	9-12	None

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