

Mt. Shasta High School

Home of Scholars and Champions



Academic Handbook 2024-2025

TABLE OF CONTENTS

GRADUATION REQUIREMENTS	3
COURSE SEQUENCES	3
COURSE DESCRIPTIONS	5
ENGLISH	5
MATH	6
SCIENCES	7
FINE ARTS	9
WORLD LANGUAGE	10
SOCIAL SCIENCES	11
PHYSICAL EDUCATION	11
PERFORMING ARTS	12
OTHER COURSES	13
CAREER TECHNICAL EDUCATION	13
RESOURCE SPECIALIST PROGRAM* (R.S.P.) - ACADEMIC SUPPORT	13
MT. SHASTA HIGH SCHOOL SPORTS	14
CLASS SCHEDULE CHANGES	15
REPORTS of STUDENT PROGRESS	15
PROGRAMS	16
TESTING	16
COLLEGE ENTRANCE EXAMS	17
CAREER PATHS	17
MSHS GRADUATION REQUIREMENTS	19
POST HIGH SCHOOL INFORMATION	21-23
CALIFORNIA COMMUNITY COLLEGES	
CALIFORNIA STATE UNIVERSITIES	
UNIVERSITY OF CALIFORNIA	
SCHOLARSHIP and GRANTS	
MILITARY OPTIONS	

GRADUATION REQUIREMENTS

In order for a student to graduate from Mt. Shasta High School, they must complete requirements over the four-year period. First and foremost is completion of course and credit requirements. Students must complete a minimum of 250 credits (including at least 100 credits of electives) to graduate. Upperclassmen must be enrolled in a minimum of six (6) courses. Freshmen and sophomores must be enrolled in eight (8) courses.

Each student is required to complete the following course requirements:

- 4 years of English
- 3 years of Mathematics (**Integrated Math I** or equivalent, minimum)
- 1 year of a Life Science
- 1 year Physical Science
- 1 year World History
- 1 year US History
- 1 year Civics/Economics
- 2 years of P.E (or 1 year and 4 seasons of participation in a school sport)
- 1 year of a Fine Art/Language other than English (advanced Wood/Manuf can fulfill requirement)
- Completion of the Senior Project.

Senior Project: Students will be provided with the guidelines for the Senior Project during their senior year. All completed projects will be due by May.

COURSE SEQUENCES

	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
1	English	English	English	English
2	Math I	Math II	Math/ Pathway/ Concentration Elective	Math/ Pathway/ Concentration Elective
3	Biology	Physics or Chemistry	Science/ Pathway/ Concentration Elective	Science/ Pathway/ Concentration Elective
4	World Geography	World History	U.S. History	Civics/ Economics
5	PEALS	PE II	Pathway/ Concentration Elective	Pathway/ Concentration Elective
6	* Language (Other than English) / Elective	* Language (Other than English) / Elective	* Language (Other than English) / Elective	* Language (Other than English) / Elective
7	*	*	*	*

* Elective

MATH COURSE SEQUENCES

9th	10th	11th	12th
Math IA	Math IB	Math II	Math III
Math I	Math II	Math III	Pre-Calculus (or AP)
Math II	Math III	Pre-Calculus (or AP)	AP Calculus
Math III	Pre-Calculus (or AP)	AP Calculus	College Math Course

Placement: Entering freshmen will be placed In Integrated Math I unless the student would like to take a placement test. Staff will also look at PSAT 8/9 math scores as well as 8th grade CAASPP scores to determine appropriate placement.

Sequence: Students MUST receive a “C” or above in order to advance to the next class in the sequence or obtain teacher permission.

SCIENCE COURSE SEQUENCES

9th	10th	11th	12th
Biology or Life Science Support*	Physics Chemistry	Anatomy AP Biology/ AP Environmental Science AP Chemistry / AP Physics I	

*Does not meet A-G Lab Science requirement

Prerequisites:

1. Anatomy: Biology
2. AP Biology: Biology & Chemistry (or concurrent enrollment in or teacher’s approval)
3. AP Physics: Completion of Chemistry or Physics and completion of (or concurrent enrollment in) Integrated Math III
4. Chemistry: Biology
5. AP Chemistry: Chemistry

COURSE DESCRIPTIONS

ENGLISH

English I: This is an introductory course required for all freshmen. It is a project-based curriculum that involves students in reading, writing, speaking, listening, critical-thinking, problem solving and collaborating. Students write a variety of essays, read a broad selection of both informational material and literature, grammar, vocabulary and refine their presentation skills.

Ethnic Literature and Studies: The year-long 10th grade Ethnic Studies Literature course centers the experiences of historically marginalized communities, voices, and identities. The course is built around essential questions related to the issues and intersections of gender, race, ethnicity, class, language, tradition, colonization and colonialism.

Honors 10 Grade Ethnic Studies Literature: Students in the English-Ethnic Studies Literature course read and analyze a broad range of nonfiction and fiction selections, deepening their awareness of how language works in effectively communicating an idea. This course is designed to develop an understanding of how race, ethnicity, nationality, and culture have shaped and continue to shape individuals and society. Additionally, this course aims to educate students to be politically, socially, and economically conscious about their personal connections to local and global histories.

English III: This is an American literature-based curriculum that parallels the U.S. History course content. The literary works of Poe, Crane, Twain, London, Hemingway, Steinbeck, Faulkner and others are a part of the literary package. An in-depth study of SAT vocabulary is part of the course content.

AP English Language and Composition (Grade 11): This course will engage students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers. The composition segment of this course will emphasize the expository, analytical, and argumentative writing that form the basis of academic and professional communication as well as personal and reflective writing. Prerequisite: A grades for previous English classes prior to enrolling. 11th/12th grade level students only.

English IV: This is a course designed to help students prepare for their entry into post-secondary education. Components include: reading a variety of materials, both exposition and literature; utilizing the CSU developed curriculum for 12th grade; study of the elements of grammar; and a survey of British literature. Completion of the Senior Project is required.

AP Literature and Composition (Grade 12): This class will engage students in the careful reading and critical analysis of imaginative literature. It will include intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit. Writing assignments will focus on the critical analysis of literature and will include expository, analytical, and argumentative essays. Writing will be an integral part of the class; the AP Exam for this class is weighted toward student writing about literature. It is strongly recommended that students have "A" grades for previous English classes prior to enrolling. Prerequisites: Priority enrollment goes to AP English Language & Composition students; teacher permission required for all other students.

MATH

Integrated Math I A & B: Integrated Math 1A and 1B is the first math course that some students will be enrolled in that covers the Integrated 1 course curriculum in a two-year span. The course covers key algebra topics of linear and exponential functions. The course also focuses on geometric transformations and congruence. Successful completion of the majority of the course material will give the student credit for Integrated Math 1. The critical areas, organized into units, deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. Mathematics 1 uses properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge from prior grades. The Mathematical Practice Standards apply throughout the course.

Integrated Math I: CCSS Integrated Mathematics I is the first course of a three course sequence including CCSS Integrated Mathematics I, II, and III. This one year long course satisfies the Common Core Standards for Integrated Math I. It strengthens and builds on the students' previous knowledge in middle school math. This course focuses on algebraic expressions, linear functions, some basic exponential functions, exponents, polynomials, solving equations, geometric congruence, proof and construction methods, finding volumes, areas, descriptive statistics, connecting algebra and geometry through reasoning and proof as well as real life applications. * UC, CSU

Integrated Math II: CCSS Integrated Mathematics II is the second course of a three course sequence including CCSS Integrated Mathematics I, II, and III. This one year long course satisfies the Common Core Standards for Integrated Math II. It strengthens and builds on the students' previous knowledge Integrated Mathematics I. This course focuses on quadratic expressions, equations and functions which makes connections to Geometry through the Pythagorean Theorem and the quadratic representations of circles. Number sets are extended to include complex numbers so that all quadratic equations can be solved. Similarity of triangles leads to an understanding of right triangle trigonometry. Links between probability and data are explored through probability and counting methods. Through each course the Mathematical Practice Standards are applied to connect algebra and geometry through reasoning and proof as well as real life applications. * UC, CSU

Integrated Math III: Integrated Math III is the third course of the three course integrated sequence as described in the CCSSM. As per the CCSSM, the overall focus of the course is to (1) explore how different visual displays and summary statistics relate to probability distributions and identify different ways of collecting data, analyzing data and drawing appropriate conclusions; (2) develop polynomial operations, including division, and make connections between zeros and solutions of equations culminating with the fundamental theorem of algebra; (3) extend the domains of trigonometric functions to all real numbers and use the Law of Sines and Cosines; and (4) synthesize and generalize what students have learned about a variety of function families- extending work with exponential functions to include solving exponential equations with logarithms and exploring the effects of transformations on graphs of diverse functions. * UC, CSU

PreCalculus/AP: This is the third course in the college-prep high school mathematics sequence. This discipline combines many of the trigonometric, geometric and algebraic techniques needed to prepare students for the study of calculus. Prerequisites: Int Math I, Int Math II, Int Math III or equivalent. * UC, CSU

AP Calculus: What do electrical engineers, economists, and business managers have in common? All use calculus to answer big questions on the job. In this course, you'll explore the basics of calculus including functions, graphs, integrals, and more, all while gaining valuable problem solving skills. This course can be used to supplement a

face-to-face AP* Calculus AB course and is “a-g” and College Board approved. PREREQUISITES: Successful completion of Math through Algebra II and/or Pre-Calculus or equivalent. Grade 11/12 or instructor approval * UC CSU

Business Math: This course is designed to give students the tools to be financially successful in life after high school. The class is structured as a small community where each student goes through a full mock hiring process for a Class Job with duties that are important to the community. Each class period, students fulfill their duties as employees and citizens to simulate the financial responsibilities they will face as young adults. During this process, students learn about employment benefits, filing income taxes, opening bank accounts, claiming car insurance, creating personal budgets, applying for student loans, investing in the stock market, and much more. Students will also have the opportunity to join our Business Math Club, where students will learn how to start up and maintain a small business on campus. This course requires a high level of responsibility and maturity and can meet one year of the 3-year math graduation requirement. Prerequisites: Math 2 and Junior Status (exceptions can be made with teacher’s permission).

SCIENCES

Biology: This is a college preparatory life science class. Students explore seven unifying themes in depth. The process of science is explored through inquiry laboratory experiments, problem solving and learning concepts. Students will explore the characteristics of life, biochemistry, metric system, science graphing, cell structure and function, photosynthesis and respiration, Mendelian genetics, human genetics, evolution, ecology and body systems.

* UC, CSU

Anatomy: Anatomy and Physiology is designed to be a rigorous and in-depth look into the structures and functions of the human body. The course will involve lecture notes, book studies, hands-on lab activities, dissections, and long term projects. Anatomy is a very visual science, the ability to identify different structures in relation to other parts of the body will be stressed. An emphasis is put on studying and drawing anatomical diagrams, as well as building 3 dimensional models of the various systems of the body. Students completing this course will be academically prepared to enter into a college level pre-med, pre-vet, or nursing program. As preparation for life after high school, this course is designed to give students an idea of what to expect in a college level anatomy course. (Alternates w/ AP Chemistry.)

* UC, CSU

Natural Resources Support: This course is designed to help students develop an understanding and awareness of basic ecology, natural selection, species interactions, biodiversity, renewable and nonrenewable resources, land management, water resources, soil and fire science, wildlife biology/management, and forest management practices. Students will be exposed to a variety of activities and labs that provide hands-on learning and the application of Scientific Principles. This life science class is not a college prep life science, but does fulfill the district graduation requirement for life science.

Chemistry: Chemistry is a challenging, college preparatory class designed for students who wish to investigate the structure, properties, and reactions of matter at the molecular level. Students will learn to measure, organize, and analyze scientific information. They will increase problem solving proficiency and learn to interpret scientific phenomena with logical explanations based on fact and mathematics. During this school year students will be expected to do homework, take notes, engage in class discussions, conduct lab activities with potentially hazardous materials, and write lab reports. Organization, commitment, and study skills will be critical skills in chemistry.

Success in high school chemistry requires a dedicated time commitment, both in and out of class. An understanding of general chemistry leads to a more competent and confident career in college, increases a person's options for higher education, and gives a better understanding of the world around us. * UC, CSU

AP Chemistry: AP Chemistry is an introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy. Prerequisite: Chemistry. (Alternates with AP Physics) * UC, CSU

Physics: Physics at MSHS is a broad look at the topics of physics, astronomy, and cosmology. Students will study the fundamental laws of the universe through a combination of hands-on lab work, independent investigation, and direct classroom instruction. The key principles of electromagnetism, motion, gravitation, and how all this affects the dynamics of space will be investigated throughout this course. Students will spend a lot of time in lab explorations, designing experiments and making measurements that test the laws of nature. The overall goal of the course is to provide a conceptual understanding of how the universe works. There will be some mathematical analysis involved, but the main focus is for students to complete the course with a more general understanding of the workings of the universe. * UC, CSU

AP Physics 1: This algebra-based, introductory college-level physics course explores:

- Newtonian mechanics
- Work, energy, and power
- Mechanical waves and sound
- Introductory, simple circuits.

Through inquiry- based learning, students will develop scientific critical thinking and reasoning skills. The course is based on six Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world. The following are Big Ideas:

- Objects and systems have properties such as mass and charge. Systems may have internal structure.
- Fields existing in space can be used to explain interactions.
- The interactions of an object with other objects can be described by forces.
- Interactions between systems can result in changes in those systems.
- Changes that occur as a result of interactions are constrained by conservation laws.
- Waves can transfer energy and momentum from one location to another without the permanent transfer of mass and serve as a mathematical model for the description of other phenomena.

This course requires that at least 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry- based investigations. Prerequisite: Students should have completed geometry and be concurrently taking Algebra II or an equivalent course. Physics 1 also includes basic use of trigonometric functions, this understanding can be gained either in the concurrent math course or in the AP Physics 1 course itself. (Alternates with AP Chemistry) * UC, CSU

AP Biology: This is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations, readings, discussions and activities. Units covered include: The Chemistry of Life, Cell Structure and Function Cellular Energetics, Cell Communication and Cell Cycle, Gene Expression and Regulation, Natural Selection, and Ecology. Students will develop skills in science practices: modeling, questioning and methods, data analysis and statistics, and science argumentation from evidence. Students will usually complete weekly laboratory investigations. This course will prepare students to take the Advanced Placement Biology Exam in May. (Alternates with AP Environmental Science) * UC/CSU

AP Environmental Science: This college level course is designed to engage students with the scientific principles, concepts, and methodologies required to understand how macro organisms interact within ecosystems. Students identify and analyze natural and human caused environmental problems, evaluate the risks associated with these problems, and examine solutions for resolving or preventing them. Environmental science includes topics from geology, biology, ecology, chemistry, and geography. (Alternates with AP Biology)

Course Units include:

- I:Ecosystems/Biomes/Climatology
- II: Biodiversity
- III: Population biology (wildlife and humans)
- IV: Management of Resources (forests/agriculture/wildlife/water management)
- V: Land and Water Use (local and global)
- VI: Renewable and non -renewable energy resources
- VII: Atmospheric Pollution/climate change
- VIII: Aquatic and Terrestrial Pollution
- IX: Sustainability (of resource use) *UC/CSU

FINE ARTS

Media Art: In this class, students will develop fundamental art skills in a range of fine art media including painting and drawing. They will also experience an introduction to digital art media. They will learn Color Theory, the Elements of Art and the Principles of Design. Students will respond to and analyze artworks, learn content vocabulary, express their observations, apply fundamental artistic skills, understand the historical contributions and cultural dimensions of the visual arts, analyze current and historical works of art and connect their knowledge of the visual arts to other subject areas and careers. Grades 9-12

Digital Arts & Imaging [P]: This class combines the study of graphic design and digital arts, career exploration and preparation, and hands-on skills development and application within the context of a graphic arts studio. The course is structured around interdisciplinary projects that emphasize how the Elements of Art are transformed into digital format. Students study and apply the Principles of Design and experience, first-hand, how these elements and principles are affected by digital media as they engage in client-based design projects. Design and visual/media arts career skills are developed through engagement in the design process from client consultation to product delivery. Grades 10-12 | Prerequisite: Media Arts or teacher approval.

Art Studio (P): In this class, students build on their foundational skills and develop a well-rounded art portfolio. Students will develop skills using new and traditional media in two-dimensional art or ceramics. The students examine major forms of artistic expression from past and present from a variety of cultures. They learn to look at art critically and to analyze what they see. The study of art history and the art world will also be covered through participation in lectures and discussions. Art and design enthusiasts will refine their skills and build confidence in their fine and digital art skills. Grades 11-12 | Prerequisite: Media Arts & Digital Arts & Imaging

Art Studio (Honors): This course is an intensive challenge to build an art portfolio for submission for the college bound art student or provide a sound foundation for the aspiring professional two- or three-dimensional artist. Students will develop skills using new and traditional media. The students examine major forms of artistic expression from past and present from a variety of cultures. They learn to look at art critically and to analyze what they see. The

study of art history and the commercial art world will also be covered through participation in lectures and discussion. Students will visit art exhibits outside of class. Grades 11-12 | Prerequisite : Media Arts & Digital Arts & Imaging or Ceramics II

Ceramics I: Ceramics is a studio art course which is designed to develop the artistic skills of the student-artist. Instruction will focus on the 3-dimensional application of the Elements of Art and the Principles of Design. Construction techniques will be emphasized through the use of diverse techniques in hand-building such as slab, mold, coil and extruding as well as throwing on the potter's wheel. Students will learn to finish their work with colored slip, glazes, and relief techniques. Students will also be expected to have a comprehensive understanding of the history of this sculptural medium as it pertains to their own sense of creative expression as well as art historical and cultural references. Students will maintain a sketchbook throughout the year for idea generation, note-taking and feedback. This course satisfies Career Technical Education standards by learning the skills and knowledge for creating, refining, and exhibiting works of art. Grades 9-12

Ceramics II: Ceramics II is an advanced course in which students may choose to pursue either a hand-building curriculum or a potter's wheel curriculum. Essentially, students work from a prescribed syllabus of assignments sequenced to instruct them on advanced ceramic techniques. There are various discussions, demonstrations, research, writing, and production of ceramic objects covered during this year. Students will analyze and discuss ceramic forms through group critiques and individual reflections according to ceramic concepts as well as the Elements of Art and the Principles of Design. This course will enable students to understand and appreciate artistic expression through writing and discussing material studied. This course satisfies Career Technical Education standards by learning the skills and knowledge for creating, refining, and exhibiting works of art. Grades 10-12 - | Prerequisite: Ceramics I (or teacher approval)

WORLD LANGUAGE

Spanish I: This course provides students with a grammatical and structural base in the Spanish language. This includes the acquisition of basic vocabulary, verb forms in the present and preterite tenses and common expressions. Speaking and listening skills are included in order to immediately involve students in real-life conversations. *UC, CSU

Spanish II: This course continues the grammatical and structural base established in Spanish I. This includes the acquisition of advanced vocabulary, verb forms in the preterite and imperfect tenses and common expressions. Speaking, listening, and writing skills are an integral part of the course. Prerequisite: Spanish I with a "C" or better. * UC, CSU

Spanish III: This course continues the grammatical and structural base established in Spanish II. Conversational skills of listening and speaking are emphasized at this level as students begin to use advanced structures and expand their vocabularies. Students design their own applied project to work on during the second semester. Prerequisite: Spanish II with a "C" or better. * UC, CSU

Spanish IV or AP Spanish: This course is intended for students who wish to develop their proficiency in all four language skills: listening, speaking, reading, and writing. Students who enroll should already have a basic knowledge of the language and culture of Spanish-speaking peoples and should have attained a reasonable proficiency in listening comprehension, speaking, reading, and writing. Prerequisites: Spanish III with a "C" or better. * UC, CSU

SOCIAL SCIENCES

World History (Sophomores): This course is designed to provide a basic survey of the major events of world history, discuss some of the important contributions of significant individuals, and examine recurring historical trends. * UC, CSU

U.S. History (Juniors): US History is a required two-semester course. The main focus of this course addresses events and themes in United States History from the end of the Reconstruction Era (1877) to the present. The first semester begins with the French and Indian War and ends at the Great Depression. In the second semester, the course continues through the presidency of Ronald Reagan. This is a survey course that presents broad themes throughout the American experience, rather than a detailed study. * UC, CSU

AP U.S. History: AP U.S. History is an introductory college-level U.S. history course. Students cultivate their understanding of U.S. History from c. 1491 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. * UC, CSU

Civics/Economics (Seniors): During the first semester, students study what is the culmination of the civic literacy strand in the State of California Social Studies framework which prepares students to vote, reflect on the responsibilities of citizenship and to participate in community activities. During the second semester, students examine the basic economic problems facing all individuals-scarcity, choice and economic efficiency. Students study how individual behavior affects the market (microeconomics) and aggregate economic behavior affects the market as a whole (macroeconomics). * UC, CSU

AP Psychology: This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the methods psychologists use in their science and practice. Open to 11th & 12th graders. * UC/CSU

PHYSICAL EDUCATION

Physical Education and Life Styles (PEALS)/PE 1 (Freshmen): This course is part of the Freshman Core Program. It is designed to show students how science, health and physical education are not individual entities but interrelated components to a healthy and active life. The class is designed to give practical knowledge and hands-on activities to students so they can develop and become more aware of their personal fitness, as well as create constructive attitudes for lifelong healthy lifestyles. The state physical fitness test is given at the end of the year.

PE 2: This class will cover physical skills, sports analysis, and regulations to such sports as; basketball, softball, track, golf, tennis/badminton, football and others. Prerequisite: PE 1 or permission by instructor.

PE Option: As per SUHSD Board Policy AR6146 (a) Mandated Courses-Must Pass as determined by Teacher i (4) Effective July 1, 2000 students may satisfy the physical education requirement for participation in district

interscholastic athletic programs carried on wholly or partially after regular school hours when such participation entails a comparable amount of time (E.C. 51222) and physical activity. Students must apply in writing within two weeks of the conclusion of each sports season in order for the requirement to be waived. Applications must be made to the principal or designee. One interscholastic sport per season waives one quarter of a year's PE requirement; maximum requirement of one year of PE may be waived via interscholastic athletics.

PERFORMING ARTS

Choir: This course is designed to introduce students to the process of performing music in a group or as a soloist. The daily procedure of the class will include improving sight-reading skills, adapting tone and experimenting with emotion and diction in preparation for any upcoming performances.* UC, CSU

Band: This course is designed to allow the concert band student to learn major and minor keys and scales as well as a majority of the notation marks used in musical literature. The student will also perform a vast variety of music from various style periods, past and present.

Drama: Drama incorporates the elements of media and live theater into a one-year course. Semester 1 will focus on "Infotainment" and is the introduction course in the Broadcast news Production Career Pathway. Students will learn to produce news broadcasts, TV documentaries and TV comedy hour, and learn to film, edit and package their programming. Semester 2 focuses on Entertainment, producing 1 live theatrical production, and focusing on professional theater expectations and careers. This class is an audition only class for acting students, and open enrollment for those wishing to focus on technical skills. * UC,CSU

OTHER COURSES

Yearbook: Students sell advertisements to local merchants, learn photography (concentrating on composition and lighting), and use a desktop publishing program to create the yearbook pages. Prerequisite: Interested students sign in May for the following year. Open to 10-12 graders.

Leadership: This class is offered to elected student body officers who organize student body activities. These activities include, but are not limited to, Homecoming, Blood Drive, Assemblies, Food Drive, Winter Carnival, and dances. Prerequisites: Must be elected student body officer or class officer and abide by the by-laws.

Academic Support: This course is for students with an IEP or a 504. See more thorough course description under R.S.P.

TA: Available to 11-12 graders. Must have teacher approval prior to registration. Seniors may have a maximum of 2 TA periods. This is a P/F course and it is not calculated into a student's GPA.

Office or Library Aide: Available for 11-12 graders. Must have the office's or librarian's approval prior to registration. This is a graded course and is calculated into your GPA.

CAREER TECHNICAL EDUCATION

Introduction to Drafting & Woodworking: This is an introductory course to both Drafting and Woodworking. In the drafting portion of the course, students learn the fundamental use of drafting tools and develop basic drafting techniques and skills through elementary drawings. Computer Aided Drafting applications will also be introduced. This class provides the skills necessary to work with the drawings they will encounter in the Woodworking Class. In the woodworking portion, students learn the fundamentals of woodworking including tool identification, project design and layout, material estimating, cutout, millwork, assembly and finishing.

Advanced Woodworking: This class will continue with the coursework introduced in Introduction to Drafting & Woodworking. Advanced instruction is given in the use of hand tools and power machinery. Second year students will construct a project given by the instructor and then they may work on projects of their own choosing. Third and Fourth year students will be able to design and construct challenging projects on their own. Woodturning will also be introduced. Safe operation of a production facility will be emphasized. This class may be repeated. Prerequisite: Introduction to Drafting & Woodworking (Beginning Drafting & Woodworking)

Manufacturing I*: EXPLORATORY AND INTRODUCTION TO MANUFACTURING TECHNOLOGY: 9-12 grade students go through this Exploratory Program. Students will be introduced to the basics of safety, as well as the use and care of hand tools, power tools, and stationary equipment. Students will learn four welding processes directed by AWS training procedures and be introduced to all cutting processes available in the lab. Students will be introduced to manufacturing methods with an introduction to machinery and material types, along with their basic applications. Students start with small metalworking projects, which will lead to projects that are more complicated. Technology-related mathematics, reading, writing, vocabulary, blueprint reading and science are integrated throughout the curriculum. Students are instructed in and demonstrate skills and knowledge in machine safety, measuring tools, speeds and feeds, lathe operation, mill operation, pedestal grinder, various types of cutting tools, and drill press operation. Students continue to receive instruction in safety requirements and demonstrate sound safety practices. Technology-related mathematics, reading, writing, vocabulary, blueprint reading and science are integrated throughout the curriculum.

Manufacturing II-IV*: Students will enhance and expand their understanding and application of machinery and material types, along with their applications. Student projects will be more complex – appropriate to the student's level of education, training and skills. Instructor and student will determine expectations, projects, and outcomes. Students will continue to receive instruction in safety requirements and demonstrate sound safety practices. AWS Certification may be available to qualified students. Grades 10-12 Prerequisites: Completion of Manufacturing I with a B or better grade or Instructor Approval. *UC, CSU

RESOURCE SPECIALIST PROGRAM* (R.S.P.) - ACADEMIC SUPPORT

Mt. Shasta High School's Resource Specialist Program serves individuals with exceptional needs who require educational services beyond those provided in regular classes with modification. These students are identified and placed in the Resource Specialist Program (RSP) and given an Individual Education Program or a 504 Plan to follow. Mt. Shasta High School adheres to a full inclusion philosophy that students with special needs are best served by being a regular participant in general education programs. Modifications are specialized to meet

developmental needs. Students served by this program have a directed curriculum which focuses on life skills, vocational training, and remediation of academic skills.

Specifically, the Resource Specialist Teacher will act as a case carrier and be responsible for:

- Screening of referrals to determine those students possibly eligible for the program
- Making parent contacts and holding parent conferences
- Arranging for and conducting appropriate assessment needed to define specific learning needs.
- Coordinating and actively participating in the delivery of services to each student.
- Monitoring and providing direct instruction to pupils on active caseload in areas of need.

*Note: The above class is open only to students that have an IEP, 504 or an academic history of failing grades. Each class receives 5 credits per semester.

MT. SHASTA HIGH SCHOOL SPORTS

FALL SPORTS	WINTER SPORTS	SPRING SPORTS
Late Aug. - Oct./Nov.	Nov. - Feb.	March - May
Cross Country (co-ed)	Basketball Cheer	Boys' Golf
Football	Boys' Basketball	Baseball
Football Cheer	Girls' Basketball	Softball
Girls' Golf	Ski & Snowboard (co-ed)	Track & Field (co-ed)
Soccer (co-ed)		
Girls' Volleyball		
Swim		

Procedures to Participate:

1) Physical Exam:

- a) All sports require a physical examination by your doctor. One physical exam is required each year; exams carry over to each sport for that academic year.
- b) May not participate until the Sports Physical Form (available in the MSHS office) has been signed by a doctor and turned in to the office.

2) Athlete Committed – Athletic Eligibility Packet:

- a) Read the entire packet.
- b) Athlete and parent/guardian sign all sections and return the form to the MSHS office BEFORE the first day of practice.

3) Assumption of Risk/Proof of Insurance Form: Return this to the Office BEFORE your first day of

practice.

4) Coaches will contact you about other specific team information after you have enrolled at MSHS.

5) Life of an Athlete:

- a) Upon beginning the first sport of any school year, each athlete (plus one parent/guardian) **MUST** attend this evening meeting hosted at MSHS. If not, athletes may not compete until the athlete and at least one parent/guardian schedule a face-to-face meeting with the principal or coach during regular business hours at the school.
- b) Coaches will contact families to announce the meeting time and date.

CLASS SCHEDULE CHANGES

A student's class schedule may be changed under the following conditions:

Students are inappropriately or mistakenly placed in a class(es).

OR

Parent request; the request must occur within the first two weeks of the semester.

A student's class schedule will not be changed for the following reasons:

- To avoid or be with a friend(s).
- To avoid or be with a specific teacher.

No class changes are made after the 10th day of the semester without teacher, parent, and administrative approval. Students must wait until the quarter to drop a class. Classes dropped ***after the tenth day*** of the 2nd quarter will result in a "W/F" grade for the semester.

REPORTS of STUDENT PROGRESS

Report cards: Reports are issued at the end of each nine-week grading period. If a student's grade falls at or below a C- during the half of the quarter, a progress report will be mailed home. The 1st and 3rd quarter report cards serve as progress reports toward a students' semester grade. The 1st semester (end of 2nd quarter) and 2nd semester (end of 4th quarter) grades are the transcript grades of record.

Grading: The A-B-C-D-F range of grades is used in most classes. An "F" is a failing grade. A's and B's are recommended grades for college entrance, however, grades lower than a C are unacceptable (for college entrance) and the class will have to be retaken. An "Incomplete" (I) grade must be made up within 6 weeks from the end of the grading period unless additional time is granted due to unusual circumstances; the incomplete grade becomes an "F" unless it is made up in the specified time.

Pass/Fail Grading: Pass/Fail grading will be used for any student/teacher aide classes. Failing grades have a negative effect on a student's grade point average.

Citizenship: The following codes will be given for citizenship: O= outstanding; S= satisfactory; N= needs improvement; U= unsatisfactory.

MSHS Advanced Placement (AP) Grading Policy: A student who completes an AP class and earns a grade of “C” or higher will earn an extra grade point for the earned grade in the student’s GPA calculation. Students are not required to take the AP Exam for that course, however, it is recommended. College admissions personnel like to see the AP course and the exam taken.

PROGRAMS

Math, English, Spanish, Science Tutors: Tutors are needed for these core subjects. This offering is available to students with a strong background in the requested subject area and is subject to staff approval. For each successful semester, students may apply for a \$250 Mt. Shasta Memorial Scholarship to be distributed upon graduation.

College and Career OPTIONS: Mt. Shasta High School is served by College and Career OPTIONS, an educational partnership that has advisors in public high schools in Shasta, Siskiyou, and Tehama counties. For more information contact Brad Williams at 530-244-4022 or bwilliams@collegeoptions.org

Upward Bound: This program is funded through Simpson University Upward Bound and is located in our College and Career Center in Room 7A. Students can explore career options, receive targeted academic advising, tutoring and instruction, get help applying to college or trade schools, completing financial aid packages, visit college campuses and much more. This program is limited to 60 students. If you are interested, contact Jeanine Masciola at jmasciola@sisuhd.net for application information.

YouScience: YouScience is an “aptitude-based guidance platform that leverages data and artificial intelligence to help individuals identify their aptitudes, validate their skills, and get matched with educational and career pathways.” YouScience testing is offered to any and all interested students; students may also schedule testing.

TESTING

There are several different types of tests given or available to students at MSHS. Following is a brief description of various tests given to students at MSHS.

SBAC Test (Smarter Balanced Assessment Consortium): As required by AB 484, all students in grade 11 (except students who take the CAPA test) will participate in the SBAC. Each student will be tested in both English-Language Arts and Mathematics. (This test has replaced the STAR testing system.)

ASVAB: In the Spring, the ASVAB is offered to all students who wish to participate. The Armed Services Vocational Aptitude Battery (ASVAB) is a multiple-aptitude battery that measures developed abilities and

helps predict future academic and occupational success in the military. It is administered annually to more than one million military applicants, high school, and post-secondary students. Click here for more information: <https://www.officialasvab.com/>

Advanced Placement (AP) Testing: These tests are administered during May of each year. They are college level exams in AP subject areas. Students who score at a high level may be given college credit for the subject tested; it is the student's responsibility to research this policy at the university they intend to attend. Each test covers one subject only and lasts for approximately 3 hours. The current test fee is \$90 per exam; the district will cover the cost of one test and students must make payments for additional tests to the school office.

COLLEGE ENTRANCE EXAMS

PSAT/NMSQT: This is a practice SAT exam and is aligned to the new SAT. The PSAT/NMSQT is designed specifically for juniors in high school and when taken during one's junior year, it can qualify the student for the National Merit competition. If one gets a high enough score, they will be in the running to get a National Merit scholarship. This assessment is given in October. Fees are made to the school office in August.

SAT: MSHS offers this test during the school day – once in the Fall for Seniors and once in the Spring for Juniors. The SAT is no longer a requirement for the CSU or UC system. More information is available from the school counseling office or at www.collegeboard.com.

CAREER PATHS

Education with a Goal: A career path is a sequence of courses that prepare you for a career. Some career paths are short and will lead to a career immediately after high school. Others will lead to Community Colleges or vocational/technical schools and a certificate program. Still others require more extensive education, a four -year baccalaureate, fifth year (masters), or extensive postgraduate professional degree (Ph.D. or M.D.). Your MSHS courses should be selected with a specific career goal in mind. Progress toward your career path here will save you time and money later on.

Pathway Options: In addition to meeting graduation and college entrance requirements, your courses should include the following course if you plan on a career in...

Clerical, Administrative Assistant, Mechanic, Technician

- 3 years of Math
- 3 years of Science
- Personal Finance, Exploring Computer Science, Accounting

Commercial Arts, Music

- 4 years of visual or performing arts
- Drafting, Woodshop, Manufacturing I & II

Computer Science

- Programmer, Electronics technology, Graphic Design
- 4 years of Math through Math Analysis (Trig)
- Yearbook

- 4 years of Science including Chemistry & Physics

Drafting & Advanced Wood

- Manufacturing I
- Wood I & Adv. Woodworking

Engineering Technology / Civil, Electrical, Architecture, Aeronautical, Mechanical

- 4 years of Math through Math Analysis
- 4 years of Science including Chemistry & Physics

Forestry

- Forest Service, Biologist
- 4 years of Science including Biology, Chemistry, Physics, AP Biology, AP Environmental
- 3 years of Math through Algebra II

Medical/Professional

- 4 years Math & Science
- Careers in Health

Medical/Technical / X-ray Technologist

- 3 years of Math
- 3 years of Science
- Personal Finance/Surviving Technology
- Intro to Health Careers
- Career Pathways in Health

Nursing / Vocational-Registered Nurse

- 3 years Science through Biology
- 3 years of Math through Algebra II
- Intro to Health Careers/Career Pathways in Health
- Vocational/Technical

MSHS GRADUATION REQUIREMENTS		MINIMUM REQUIREMENTS FOR UC OR CSU
ENGLISH/ LANGUAGE ARTS	4 years; 40 credits English 1-4, Honors, AP	4 years
SOCIAL SCIENCE	3 years; 30 credits World History U.S. History Civics/Economics	2 years 1 year of World History 1 year of U.S. History or one-half year of U.S. History and one-half year of Civics or American Government
SCIENCE	2 years; 20 credits 1 year of Life (Biology, Anatomy, or Environmental Science) 1 year of Physical (Physics or Chemistry)	2 years Biology, Chemistry, Physics, Anatomy (<i>Environmental Science is not UC transferable</i>)
MATHEMATICS	3 years; 30 credits Must include 1 year of Algebra (by completing Integrated Math 1 or Math 1A & Math 1B) Math II, III, Math Analysis, AP	3 years Integrated Math I, II, III
FINE ARTS or LANGUAGE OTHER THAN ENGLISH	1 year; 10 credits Fine Arts: Media Arts Ceramics 1 Ceramics 2 Digital Art & Imaging Art Studio Language: Spanish or French	3 years 1 year of Visual and Performing Arts and 2 years of a Language other than English (3 years/3rd level of high school instruction recommended for UC)
PHYSICAL EDUCATION	2 years; 20 credits Includes completion of 1 year of PEALS (9th grade) Four seasons of a school sport (One season = 2.5 PE/Athletic credits)	N/A
ELECTIVES	20 semesters of classes; 100 credits	One year (two semesters) chosen from courses specific to the UC elective (G) subject area or courses beyond those used to satisfy the requirements of the A-F subjects.

*One semester = 5 high school credits.

*Once minimum graduation requirements are met, any further coursework and credits accrued are applied to elective credits.

* Completion of the three sections of the Senior Project.

POST HIGH SCHOOL INFORMATION

CALIFORNIA COMMUNITY COLLEGES

California has [116 community colleges](#) that offer coursework to prepare students to transfer to a four-year college/university or to prepare students for the world of work in a specific career area. All community colleges offer an extensive program of academic courses. However, the career training programs vary according to the needs of the students and available faculty. Students may attend any community college in the State of California if they are a high school graduate, 18 years of age, or have passed the California High School Proficiency Examination.

All community colleges have programs that are designed to help you with your career development. These programs involve pre-professional areas where you are prepared to attend a four-year college, as well as two-year programs where you may begin work after completion of a career education/certificate program.

College of the Siskiyous in Weed, (530-938-4462) offers excellent liberal arts, transfer, and vocational programs. Among its outstanding vocational programs is a fire science program that includes one of the four Certified Fire Academies in California, the Process Technology program that trains technicians for automated manufacturing environments, and a Licensed Vocational Nursing program. Transfer students from COS are eligible to attend Oregon Institute of Technology without paying out-of-state tuition.

Siskiyou County students who want to attend Southern Oregon University in Ashland, Oregon do not pay out-of-state tuition.

Other community colleges near MSHS:

- Shasta College –Redding 530-225-4600
- Butte College—Oroville 530-895-2484
- Lassen College—Susanville 530-257-6181
- College of the Redwoods—Eureka 707-445-6700
- Feather River College—Quincy 530-283-0202
- Los Rios Community College District (Sacramento, Folsom & Roseville)

CALIFORNIA STATE UNIVERSITIES

Academic excellence has been achieved by the California State University (CSU) through a distinguished faculty, whose primary responsibility is superior teaching. While each campus in the system has its own unique geographic and curricular character, all campuses, as multipurpose institutions, offer undergraduate and graduate instruction for professional and occupational goals as well as broad liberal education. All of the campuses require for graduation a basic program of "General Education-Breadth Requirements" regardless of the type of bachelor's degree or major field selected by the student. The CSU System has a practical, career-oriented approach to education in contrast to the more theoretical approach offered by the U.C.'s. The CSU system grants bachelor and master degrees.

The CSU offers more than 1,800 bachelors and master's degree programs in some 240 subject areas. Many of these programs are offered so that students can complete all upper-division and graduate requirements by part-time late afternoon and evening study. In addition, a variety of teaching and school service credential programs are available. <https://www.calstate.edu/>

CSU Campuses		
<p>CSU Bakersfield 661-664-2011 www.csubak.edu</p> <p>CSU Channel Islands 805-437-8400 www.csuci.edu</p> <p>CSU Chico 530-898-6321 www.csuchico.edu</p> <p>CSU Fresno 559-278-2261 www.csufresno.edu</p> <p>CSU Fullerton 714-278-2300 www.fullerton.edu</p> <p>CSU East Bay 510-885-3000 www.csueastbay.edu</p> <p>Cal Poly Humboldt 707-826-4402 www.humboldt.edu</p> <p>CSU Dominguez Hills 310-243-3696 www.csudh.edu</p>	<p>CSU, Monterey Bay 831-582-3518 www.monterey.edu</p> <p>CSU Northridge 818-677-3700 www.csun.edu</p> <p>CSU Long Beach 562-985-5417 www.csulb.edu</p> <p>CSU Los Angeles 323-343-3901 www.calstatela.edu</p> <p>Cal Poly Pomona 909-869-2000 www.csupomona.edu</p> <p>CSU Sacramento 916-278-3901 www.csus.edu</p> <p>California Maritime Academy 800-561-1945 www.csum.edu</p> <p>Cal Poly San Luis Obispo 805-756-2311 www.calpoly.edu</p>	<p>San Francisco State Univ. 415-338-1113 www.sfsu.edu</p> <p>San Jose State Univ. 408-283-7500 www.sjsu.edu</p> <p>CSU San Marcos 760-750-4848 www.csusm.edu</p> <p>Sonoma State University 707-664-2778 www.sonoma.edu</p> <p>CSU Stanislaus 209-667-3151 https://www.csustan.edu/</p> <p>CSU San Bernardino www.csusb.edu 909-880-5200</p> <p>San Diego State Univ. 619-594-6336 www.sdsu.edu</p>

UNIVERSITY OF CALIFORNIA

The [University of California](http://www.universityofcalifornia.edu) (UC) is made up of nine general campuses. (UC San Francisco focuses on health education and it only offers graduate degrees.) The UC system is the research system of public higher education in California. All of the campuses have distinguished faculties, excellent libraries, research laboratories and high academic standards. The UC's

[Return to the Table of Contents](#)



accept the top 12.5% of graduating seniors. Although it is true that UC's are more difficult to get admitted into, a UC may not be the best school for you to attend and here's why: At the UCs, the programs are more research and theory-oriented. Students study how and why things happen. The CSU's on the other hand, were actually created as teaching colleges. Therefore, the type of education you receive there is more hands-on and teaches more practical approaches. The UC's grant professional and doctorate degrees, as well as bachelor and master degrees.

UC Campuses		
Berkeley	Los Angeles	San Diego
Davis	Merced	Santa Barbara
Irvine	Riverside	Santa Cruz

Websites for College-bound Students
<p>College and Career Options - - helps students of all ages and their families in Shasta and Siskiyou counties make informed choices about post-high school education by providing advisors in the schools, confidential financial aid advising, free workshops, and up-to-date informational material.</p> <p>Educational Opportunity Program (EOP) CSU's EOP program was designed to help low-income, first generation, historically educationally disadvantaged students succeed academically in college and graduate.</p> <p>Fastweb.com - A clearinghouse of scholarships.</p> <p>Ford Scholars Program - Applications available in November - due March.</p> <p>McConnell Scholars Program - Applications available in October - due March.</p> <p>NCAA Eligibility Center - This site is for the potential college athlete. The eligibility criteria for competing in college athletics, forms used for gaining eligibility, list of NCAA approved classes and courses to help determine eligibility are all found at this site. Other info regarding competing in college athletics is available. If you want to compete in NCAA sports, you need to register with the NCAA Eligibility Center. Plan to register before starting your freshman year of high school.</p>

SCHOLARSHIPS and GRANTS

Mount Shasta High School receives scholarships from local, state, and national programs. Local scholarships tend to come from local service groups and organizations. In addition, there are scholarships available through the Ford Foundation (Roseburg Industries) and the McConnell Foundation that benefit students from Siskiyou County. More information regarding these and other scholarships are posted on a board across from the office and in [MSHS Scholarships 2024/2025](#), a database provided to MSHS students for local and regional scholarships. The Dean of Students works with the students to support them with scholarship applications.

Financial aid is available to help meet college expenses. It is very important for all students who plan on post-secondary education (community college, four-year college or vocational school) to explore financial aid options. You must apply for financial aid by filing a [FAFSA](#) from (Free Application for Federal Student Aid). The

FAFSA is used by post-secondary institutions to determine your eligibility for financial aid, and by the state and federal government for grants. Our campus holds a financial aid information night in the Fall.

TYPES OF GRANTS

CAL Grants—These grants are awarded to students who will be attending California Community Colleges, four-year schools or vocational schools. To qualify for a Cal Grant, a student must be a U.S. citizen, a permanent resident of California, or an eligible non-citizen. Students selected for Cal Grants must meet the scholastic criteria (GPA earned in the 10th and 11th grades), and the demonstrated family financial needs criteria. To apply for a Cal Grant, students must complete the FAFSA and the G.P.A. Verification Form.

Pell Grants—These are awards to help undergraduates pay for their education after high school. For many students, these grants provide a foundation of financial aid, to which aid from other federal and non-federal agencies may be added. Unlike loans, grants do not need to be paid back. To apply for a Pell Grant, simply check "Yes" to the appropriate question on your FAFSA.

Merit Grants - "Merit based grants are monetary awards given in recognition of exceptional academic achievement. Where need based grants are awarded on the basis of income disparity, merit based grants require students to demonstrate high levels of academic achievement, commitment to service and leadership qualities." (<http://www.gocollege.com/>)

MILITARY OPTIONS

[U.S. Army](#): 530/941-3813

[U.S. Navy](#): 530/221-8065

[U.S. Air Force](#): 530/221-6188

[U.S. Coast Guard](#): 707/268-2470

[U.S. Marine Corps](#): 530/221-6863