

PURPOSE

The purpose of this guide is to serve as a resource for both students and parents regarding courses offered at Ukiah High School. This should not replace a student meeting with their counselor to design a program tailored to the individual needs of each student.

UHS GRADUATION REQUIREMENTS

The Ukiah Unified District Board of Education approved the following requirements for graduation:

ALL STUDENTS must successfully complete a minimum of **230 credits**, not more than 40 of which may be physical education. Graduation requirements include:

- A. Four years of English
- B. Three years of Social Studies including:
 - 1. One year of World History or AP European History
 - 2. One year of U.S. History or AP U.S. History
 - 3. One year of American Institutions or AP Comparative Government
- C. Two years of Mathematics, including one year of Algebra.
- D. Two years of Science: one biological (life), one physical or two years of agriculture or one of each
- E. Two years of Physical Education.
- F. One year of visual or performing arts OR one year of foreign language OR one year of career technical education.
- G. Nine Elective courses

NOTE: All required courses must be taken at Ukiah High School during a regular school year. This rule may be appealed through the Student Review Committee.

A course offered for one period daily for one semester (one-half year) is to be assigned five credits.

WORK EXPERIENCE/VOCATIONAL OCCUPATION – 11th graders must be enrolled in at least five other classes in order to be eligible for Work Experience.

NO STUDENT INITIATED CHANGES WILL BE ALLOWED ONCE SCHOOL BEGINS.

CALIFORNIA SCHOOLS OF HIGHER EDUCATION CALIFORNIA COMMUNITY COLLEGES

California Community Colleges are schools such as Mendocino College, Santa Rosa Junior College and College of the Redwoods. All high school graduates are eligible for admission. There are no specific high school courses or grade point averages required for entrance, but a lack of prerequisites may prevent enrollment for the desired college courses.

HIGH SCHOOL ENROLLMENT IN COMMUNITY COLLEGE COURSES

A high school student may be eligible to take courses at Mendocino College. See your counselor for details.

CALIFORNIA STATE UNIVERSITY (CSU) UNIVERSITY OF CALIFORNIA (UC) SUBJECT REQUIREMENTS

(A) History/Social Science – 2 years required. Two years of history/social science, including one year of U.S. History or one-half year of U.S. History and one-half year of civics or American Government; and one year of world history, cultures and geography.

(B) English – 4 years required. Four years of college preparatory English that includes frequent and regular writing, and reading of classic and modern literature. Not more than two semesters of ninth grade English can be used to meet this requirement.

(C) Mathematics – 3 years required, 4 years recommended. Three years of college preparatory mathematics that includes the topics covered in elementary and advanced algebra and two and three dimensional geometry. Approved integrated math courses may be used to fulfill part or this entire requirement, as many math courses taken in the seventh and eighth grades that your high school accepts as equivalent to its own math courses.

(D) Laboratory Science – two years required, three years recommended. Two years of laboratory science providing fundamental knowledge in at least two of these three disciplines: biology (which includes anatomy, physiology, marine biology, aquatic biology, etc.), chemistry and physics. Laboratory courses in earth/space sciences are acceptable if they have as prerequisites or provide basic knowledge in biology, chemistry or physics. The appropriate two years of an approved integrated science program may be used to fulfill this requirement. Not more than one year of ninth grade laboratory science can be used to meet this requirement.

(E) Language Other than English – two years required, three years recommended. Two years of the same language other than English. Courses should emphasize speaking and understanding, and include instruction in grammar, vocabulary, reading and composition. Courses in language other than English taken in the seventh and eighth grade may be used to fulfill part of this requirement if your high school accepts them as equivalent in its own courses.

(F) Visual and Performing Arts – one year required. One unit (one year or two semesters) of coursework in visual and performing arts (dance, drama/theater, music or visual arts)

(G) College Preparatory Electives – one year required. One year (two semesters), in addition to those required in “a-g” above, chosen from the following areas: visual and performing arts, history, social science, English, advanced mathematics, laboratory science and language other than English (a third year in the language used for the “e” requirement or two years of another language).

EXAM REQUIREMENTS

*UC requires the SAT Reasoning Test with writing or ACT with Writing. Eligibility is based on a combination of SAT Reasoning Test or ACT with Writing, and grade points earned in 10th and 11th grades in "a-g" courses. Up to four AP courses taken during the last three years of high school are awarded an extra grade point for letter grades of A, B or C.

*CSU requires either the SAT Reasoning Test or the ACT. The verbal and mathematics scores on the SAT must be from the same sitting. The ACT composite score is used.

*Registration materials for SAT Reasoning Test, ACT, and SAT Subject Tests are available in the counseling office. The school testing code number is 053580.

NCAA REQUIREMENTS

Students who are considering athletics at a Division I or II college after high school need to register with the NCAA Initial Eligibility Center at web1.ncaa.org/eligibilitycenter. Please see your counselor for more information.

COURSE DESCRIPTION LEGEND

VPA denotes CSU/UC approved

Visual or Performing Art Bolded Course ID# denotes CSU/UC approved course

A-G letter denotes which specific A-G requirement is satisfied with that course

(9-12) denotes grades in which student may take course.

Career Technical Education Pathway Courses (Pathway Course) - see following section for further details.

CAREER TECHNICAL EDUCATION (CTE) PATHWAYS

CTE Pathways are a way for students to prepare themselves to be college and career ready when they graduate from Ukiah High School. Students who focus on a Pathway acquire the skills necessary for entry into well-paid careers with high potential for rapid financial growth, increased levels of responsibility, and a high degree of personal satisfaction. This planning guide identifies courses that are part of a specific pathway offered at Ukiah High School. Pathway courses can be found within the CTE section and subject specific sections. Some courses are noted as recommended electives for a Pathway.

Please note: Additions and corrections from the 2019-2020 Planning Guide should be reported to room A-13 for inclusion in next year's publication.

VISUAL AND PERFORMING ARTS (VPA)

MUSICAL PERFORMING ARTS

Beginning Guitar

232501 (9-12) This class is designed for students with little or no previous guitar experience. Students will learn basic guitar skills including chords, reading tablature, single note melodies and solos, fingerpicking, blues progressions, and playing with others. Students will also learn about the history of the instrument, important guitarists in various genres, parts of the instrument, and how to re-string their guitars. Instruments are available, but limited.

Concert Band

230001 (9-12) Concert Band is the first full year of music instruction on student's instruments. This concert band class develops skills on a variety of woodwind, brass, and percussion instruments. Emphasis is given to providing a strong fundamental approach to the student's chosen instrument. Rehearsal and instruction from music that the Director selects and provides will be accomplished daily, as well as developmental music theory in the classroom setting. Practice outside of normal school hours is required as part of this class.

Jazz Ensemble

230505 (9-12) Jazz Ensemble is a high performing group that plays a variety of repertoire, including jazz, rock, blues, Latin, and fusion. Students will be exposed to perhaps one of America's most important cultural innovations through the history of jazz. Also included in curriculum will be jazz theory and the improvisation, which are not included in other current music course offerings. In order to have a successful jazz ensemble, it is necessary for students to be dedicated to music and maintain a strong background in reading music. Jazz Ensemble instrumentation traditionally includes, piano, bass, drums, guitar, auxiliary percussion, trumpet, trombone, and saxophone. This class is a 7th period class. (VPA) F

Prerequisite: Concert Band and/or Audition

CP String Orchestra

230303 (9-12) String Orchestra is a class designed for students with a little or no prior knowledge of stringed instruments. Emphasis is placed on tone quality, expressiveness, unity of the ensemble, position and fingerings, bowing techniques, and a wide variety of musical styles. Students in String Orchestra will be expected to perform in any and all Ukiah High School music performances as directed. Orchestra provides instruction in individual string instrument technical development, musical interpretive skills, ensemble training, musicianship, and leadership. While one musical period may be stressed for its contribution to individual skills, another may be used to develop a particular aspect of musicianship or ensemble style. (VPA) F

Prerequisite- none

Wind Ensemble

230302 (9-12) Wind Ensemble performs at the highest level of musicianship and technical ability. This class is split into two time periods: the first part of the year focuses on Marching Band while the remaining portion of the year is regular Wind Ensemble. Instruction concentrates on advanced playing technique, music reading skills, and mature musical expression and interpretation. Practicing outside of school is required for this class. This class is part of a sequential band program, and is open for audition for all intermediate and advanced students of woodwind, brasswind, and percussion instruments. (VPA) F

Prerequisite: Concert Band/Audition

VOCAL/THEATER PERFORMING ARTS

Introduction To Drama

290001 (9) This course introduces students to a variety of acting theories and techniques. Introduction to group work, partner work, improvisations, and performing memorized scenes will be covered throughout the year. Also techniques in stage combat, voice, theatre etiquette, and speech will be covered along with a brief history of theatre and the use of stagecraft. These students can automatically move into Advanced Drama upon teacher recommendation, a more advanced level. (VPA) F

Drama I

290002 (10-12) This course is for students will no drama experience and introduces students to a variety of acting theories and techniques. Introduction to group work, partner work, improvisations, and performing memorized scenes will be covered throughout the year. Also techniques in stage combat, voice, theatre etiquette, and speech will be covered along with a brief history of theatre and the use of stagecraft. These students can automatically move into Advanced Drama. This is a repeatable class. (VPA) F

Advanced Drama

290003 (10-12) Students will be analyzing scripts, rehearsing, assisting with set construction, costume design, lighting/sound, etc. in preparation for performances in class and for the community. Students will be involved in the whole rehearsal process as well as learning 'Theatre History' and working on a unit of "Mask Making". Students will also be willing to work at times in conjunction with the music department. **This is a repeatable class.** (VPA) F

Prerequisite: Intro to Drama, Drama I, Audition or Teacher Recommendation.

Concert Choir

230509 (9-12) This intermediate, mixed ensemble performs large-scale choral works, show tunes, and popular music, while still developing the musicianship skills and vocal technique of the individual singers. Concert choir will perform music in three and four part harmonies for the school and surrounding communities. (VPA) F
This course is repeatable.

Vocal Ensemble

230510 (9-12) This audition-only, mixed ensemble consists of twenty-four, competent musicians and skilled singers who will explore and perform an eclectic and wide variety of music. The singers accepted into this group will continue to develop their vocal technique and hone their musicianship skills throughout the year, preparing them for festivals, performances and auditions. Due to the heavy performance nature of this ensemble, dedication, diligence and determination is required from all participants. **(VPA) F**
Placement: by audition with the director.

VISUAL ARTS

PHOTOGRAPHY PATHWAY

Beginning Photography

(Pathway Course 1)

721701 (9-12) Introduction to technical, aesthetical, historical, and commercial aspects of photography through lectures, presentations, and hands-on practices. First semester instruction focuses on image composition, basic camera operations and techniques, and editing. The second part of the course introduces students to Photoshop, studio lighting techniques, and practical applications of the art. This course is a prerequisite to Advance Photography and highly recommended for Yearbook. **(VPA) F**

Advanced Photography

(Pathway Course 2)

721801 (10-12) Exploration of advanced camera and Photoshop techniques through class assignments and individual projects, Students will expand on skills used in studio lighting, documentary, commercial, and still life photography. Graphic design and image use in design will be covered as well as an examination of photography careers and application of skills learned to various professions. Students will build their digital and print portfolios and focus on exhibition, publishing and presentation of their work. **(VPA) F**

Prerequisite: C or better in Beginning Photography

Ceramics Studio

280001 (10-12) Instruction in hand-building and decorating techniques and basic wheel-throwing techniques is offered. Proficiency in aesthetic and technical skills is gained by completing assigned work at increasing levels of difficulty, but each assignment allows for individual creativity. A historic and cultural appreciation of pottery making is emphasized in specific assignments related to the ceramic arts of other Western and non-Western peoples. **(VPA) F**

Prerequisite: none

Advanced Ceramics Studio

280002 (10-12) Further exploration and skill development building on the beginning Ceramics Studio fundamentals. Continued study of design elements and techniques of hand-building and throwing on the wheel and of diverse pottery-making cultures and contemporary trends. Craftsmanship, aesthetics, and individuality of expression are emphasized. Written and other work outside of class is expected. Advanced Ceramics Studio may be repeated for credit. **(VPA) F**

Prerequisite: C or better in Ceramics Studio

Drawing

280601 (9-12) This class offers the student an intense immersion into drawing concepts and techniques via pencil, ink, colored pencil, and printmaking. Assigned work thoroughly explores each medium, and the successful student will greatly improve his skills in, and understanding of, this traditional artistic method. This class may not be repeated for credit. This class is a prerequisite for Advanced Art. **(VPA) F**
Prerequisite: none

Introduction to Art

282301 (9-12) This class is an introductory class for any student starting a course of study in 2D or 3D art. Basic artistic concepts and skills such as color, design, lettering, painting, drawing, and philosophy and history will be explored through assigned work. Class will provide the successful student with a better foundation for understanding two-dimensional art. Student creativity is of primary concern. This class may not be repeated. This class is a prerequisite for Advanced Art. **(VPA) F**

Prerequisite: none

Advanced Art

289806 (10-12) The primary objective of this course is to encourage individual creative growth via the tools and materials available. Though group units of exploration are assigned, students will pursue and develop an independent course of study with instructor approval. A large part of the time the class will concentrate on aspects of painting, stressing creative composition and experimental painting techniques. Class critiques will encourage critical evaluation of student work. This class may be repeated for credit. **(VPA) F**

Prerequisite: C or better in Introduction to Art or Drawing or comparable class pending instructor review.

CAREER TECHNICAL EDUCATION

FASHION DESIGN AND MERCHANDISING PATHWAY

Fashion Design

(Pathway Course 1)

781001 (9-12) Create your own original clothing in this course that teaches the fundamentals of sewing using up-to-date electronic sewing machines in our fashion lab. You will learn how to determine pattern size, select and purchase fabrics, use patterns and construct garments. Individualized projects are designed for both young men and women. Students also explore the elements and principles of design and fashion styles throughout history. **(VPA) F**

Advanced Fashion Design

(Pathway Course 2)

781101 (10-12) Advanced techniques and new experiences in clothing with emphasis on consumer awareness in the purchasing of fabrics and notions, wardrobe planning, pattern alterations, inner construction, recycling, review of basic skills, machine repairs and maintenance, and an overview of career opportunities in the field. Course may be repeated since work level and progress is individualized.

(VPA for graduation only)

Prerequisite: C or better in Fashion Design

CHILD DEVELOPMENT PATHWAY

Child Development and Guidance

(Pathway Course 1)

751001 (9-12) Gak, oobleck, painting, games and food are some of the hands-on activities you'll enjoy in this class as you learn about how children grow and learn. This is an opportunity to explore the possibilities of careers working with children. It will prepare you for teaching preschool and elementary school children as well as working with children in other fields such as health and recreation.

Theories of child growth, development, and guidance (how do you help children learn to behave?) are studied in the classroom with time to observe children and to play with early childhood activities. And you can get a head start on your college credits with the three units Mendocino College will give you toward your early childhood permit. **(G)**

Prerequisite: none

Careers with Children

(Pathway Course 2)

751101 (10-12) Spend several days a week off campus working in an actual classroom with children from preschool through middle school (you pick the age you're interested in), working as a classroom aide. It's the perfect chance to decide if teaching is right for you and to have a change of scenery for part of your school day! You'll be gaining practical, on-the-job skills while earning high school credit.

Prerequisite: Child Development and Guidance

PATIENT CARE AND EMERGENCY RESPONSE PATHWAYS

Scrubs Patient Care

(Pathway Course 1)

792103 (9-11) Scrubs PC is an entry level health occupations awareness program. Students will be introduced to multiple careers where working with and helping people are the primary goals. These patient care careers include: emergency medical services, dentistry, nursing and other public service and health fields. The course incorporates first aid and CPR certification, basic anatomy and physiology of the human body, and instruction on various employability skills including active listening, empathy, and professional conduct.. Scrubs is the prerequisite class for Extreme Responders and any other health occupation course at Ukiah High School. **(G)**

Scrubs Emergency Response

(Pathway Course 1)

842101 (9-11) Scrubs ER is an entry level health occupations awareness program. The course incorporates first aid and CPR certification, disaster preparedness, basic anatomy and physiology of the human body, and instruction on various employability skills including active listening, empathy, and professional conduct. Students will be introduced to multiple careers where working with and helping people are the primary goals. These emergency response careers include fire services, emergency medical services, law enforcement and other public service and health fields. Students will learn about emergency scene organization, and teamwork under high pressure. Scrubs is the prerequisite class for Extreme Responders and any other Health Occupation course at Ukiah High School. **(G)**

Medical Interpreter

(Pathway Course 2)

792201 (11-12) The Medical Interpreter course prepares students to enter the medical interpreter field. By completing the class, passing the National Medical Interpreter exam, and fulfilling an internship with a local medical facility, students will be highly qualified. Certification: Upon successful completion of the course students will be prepared to pass both the written and oral national medical interpreter examinations. *Prerequisites: Completion of Spanish for Spanish Speakers II or Spanish III with a passing grade of C or better AND Scrubs*

Medical Terminology

(Pathway Course 2)

428004/428008 (10-12) The Medical Terminology course provides students with an understanding of the language of medicine through the study of root words, suffixes and prefixes. The study focuses on correct pronunciation, spelling and use of medical terms. Terms for anatomy, physiology, and pathology of disease are discussed for multiple body systems.

Prerequisite: Scrubs

This course is dual enrolled with Mendocino College

Extreme Responders (Xt Resp/HlthOc1/2)

(Pathway Course 2)

792101/792102 (10-12) In the first semester students will be taught about advanced first aid through the Emergency Medical Responder course. Students will learn the EMT level patient assessment, advanced skills such as oxygen therapy and will explore opportunities including job shadows and first aid stand by at UHS sporting events. On successful completion of the first semester and final test, the student will be certified as an Emergency Medical Responder. The second semester is comprised of wilderness first aid and survival. Students will be asked the question, "What do you do when...?" Topics are wide ranging from bleeding control and securing injuries, to building shelters and fire to keep patients warm. Students will work through a basic rope rescue class. Career readiness will also be emphasised with multiple professionals teaching skills and techniques in emergency medical services, fire service, law enforcement, in addition to reviewing hospital care .

Prerequisite: Scrubs

Dual Enrollment with Mendocino College's Health 202.

NETWORKING OR SOFTWARE AND SYSTEMS DEVELOPMENT PATHWAYS

Explore Computer Science Networking (ECS)

(Pathway Course 1)

813102 (9-12) Exploring Computer Science (ECS) is a nationally recognized introductory college preparatory computer science course and includes curriculum, professional development and assessments. The course was developed around a framework of both computer science content and computational practice. Assignments and instruction are contextualized to be socially relevant and meaningful for diverse students. Units include final projects around the following topics: Human Computer Interaction, Problem Solving, Web Design, Programming, Computing and Data Analysis and Robotics. This course is a prerequisite for students wanting to pursue Network Security as an advanced capstone course and is best suited for students interested in pursuing careers in network security, computer forensics, and information security (G)

Explore Computer Science Systems Pro (ECS)

(Pathway Course 1)

813101 (9-12) Exploring Computer Science (ECS) is a nationally recognized introductory college preparatory computer science course and includes curriculum, professional development and assessments. ECS is a yearlong course consisting of six units, approximately six weeks each. The course was developed around a framework of both computer science content and computational practice. Assignments and instruction are contextualized to be socially relevant and meaningful for diverse students. Units include final projects around the following topics: Human Computer Interaction, Problem Solving, Web Design, Programming, Computing and Data Analysis and Robotics. This course is a prerequisite for students wanting to pursue AP Computer Science as an advanced capstone course and is best suited for students interested in pursuing careers in computer science and programming. (G)

AP Computer Science Principles

(Pathway Course 2 for Software and Systems Development)

824102 (10-12)

AP Computer Science Principles (AP CSP) is a high school level course that is appropriate for 10th - 12th grade students who already have completed the Exploring Computer Science (ECS) course and are interested in pursuing interests in digital projects like apps, films, games or music that showcase their creativity, and use their creations to make a difference in your community. The AP Computer Science Principles (AP CSP) course introduces you to the essential ideas of computer science and shows how computing and technology can influence the world around you. The curriculum is based on Seven Big Ideas: Creativity, Abstraction, Data, Algorithms, Programming, Internet, Global Impact.

(G)

Prerequisite: ECS Systems Pro

Network Security

(Pathway Course 2 for Networking Pathway)

812201/812202 (11-12) This course provides an in-depth study of Network Security fundamentals and provides a comprehensive overview of network security, including computer forensics. Students will gain the knowledge and skills required to identify risk and participate in risk mitigation activities; provide infrastructure, application, operational, and information security; apply security controls to maintain confidentiality, integrity, and availability; identify appropriate technologies and products; and operate with an awareness of applicable policies, laws, and regulations. *Dual Enrollment*

Prerequisite: ECS Networking

CABINETRY, MILLWORK, AND WOODWORKING PATHWAY

Advanced Woodworking

(Pathway Course 2)

731201 (10-12) This is a class that builds on the principles of Introduction to Woodworking. There is one required project and then students will design and build their own projects. The class will focus on Cabinet Making and Furniture Making using more advanced joinery. All phases of the process will be covered including design, drawing, estimating, building, finishing, installing and marketing.

Prerequisite: C or better in Introduction to Woodworking

MACHINING AND FORMING

TECHNOLOGIES PATHWAY

Machine Tool

(Pathway Course 1)

822001 (9-12) Interested in how things are made? Want to learn how to make precision parts out of metal or plastic? Then Machine Shop is for you! This is a yearlong class that shows the student how parts are made. Students will get an opportunity to melt metal in our forge and cast blanks. Then we will machine these blanks into parts using lathes and milling machines. Whether you like cars, bikes, planes or trains, most of the parts were made using the processes used in the Machine Shop class. Take advantage of our beautiful shop and turn your ideas into reality. This class is a must for engineering students or for those interested a career in manufacturing.

Prerequisite: no entry after first 3 weeks

Advanced Machine Tool

(Pathway Course 2)

822101 (10-12) The course will take students to the next level and allow students to complete the Machine and Forming Technologies pathway.

Prerequisite: C or better in Machine Tool

PRODUCT INNOVATION AND DESIGN PATHWAY

Computer Aided Drafting (CP CAD)

(Pathway Course 1)

824002 (9-12) This class is an introduction to the design process of products. We will use real world design challenges to design a product to solve that challenge. We will use sketching, 2 dimensional computer drafting, computer based 3 dimensional modeling and rapid prototyping using 3D printers, computer controlled router, CNC milling machine and lasers! (G)

No prerequisites and no repeating.

Advanced Computer Aided Design (CAD) and Product Design

(Pathway Course 2)

824101 (10-12) We will build on the principles of the Intro class and focus on designing products for mass production. We will create a whole class project that we will use as a fundraiser. We will find a design challenge, develop a solution, make a working prototype, refine the design,

produce it and sell it. MUST have received a B or better in Intro to CAD to enroll. This class may be repeated.

Prerequisite: CAD

RESIDENTIAL AND COMMERCIAL PATHWAY

Construction Fundamentals

(Pathway Course 1)

734101 (9-11) Do you want to learn how to build houses? In the Construction Class you will learn how to use the required tools safely to build a basic structure that will include common residential construction techniques. We will cover foundations, framing, roofing and finishing. This course is offered as a dual enrollment course meaning you will receive college credit for SCT 180A Construction Fundamentals. After completing this course you can move on to Advanced Construction to complete the construction pathway. This course will give you the skills and confidence to get an entry level job on with a construction company.

SYSTEMS DIAGNOSTICS, SERVICE, AND REPAIR PATHWAY

Automotive Technology I

(Pathway Course 1)

853101 (9-12) Students will learn how to diagnose and fix the basic systems found on today's cars. The topics will include basic vehicle maintenance, brakes, suspension, engines, electricity, scan tool use and more.

Prerequisite: none

Advanced Automotive Technology

(Pathway Course 2)

853201 (10-12) This is a full-year course designed to expose the student to more advanced automotive subjects. It is a self-directed course where students choose the automotive projects they would like to be graded on. Structured lessons will be given on engine rebuilding, drive train, alignments, exhaust, custom fabrication, body work and how to make money. This class can be repeated.

Prerequisite: Automotive Technology I with a C or higher

WELDING AND MATERIALS JOINING PATHWAY

Welding Tech

(Pathway Course 1)

823001 (9-12) The course will instruct the student in the basic art of welding, including safety in the welding environment, the use of power and hand tools for welding. Learn SMAW (stick), GMAW (MIG), Oxy-Fuel cutting, GTAW (TIG). The course will provide both technical and practical exercises in the art of welding. Students will have class time for technical information as well as shop time to practice the skills that are learned in the classroom. After completing this course you will receive a certificate of completion; this course will also prepare you for the advanced welding course. You will be a member of SKILLS USA Club and have the opportunity to compete in the leadership and welding competitions

Prerequisite: none

Advanced Welding Technology

(Pathway Course 2)

823101 (10-12) This course will prepare you for a plate and pipe certification. Class time and shop time for safety in the work place, technical information and practical welding of plate steel and pipe, and AWS (American Welding Society) Standards. At the end of the course you will have a welding certification for plate steel or pipe, or receive certifications in both. This course will give the skills needed for the welding community and give you the skills required for the Fabrication/Design course. You will be a member of SKILLS USA Club and have the opportunity to compete in the leadership and welding competitions.

Prerequisite: Welding Technology with a C or better

ENGLISH

English I

213001 (9) This one-year college preparatory course is designed for students with average and above average ability. It is designed to develop skills in reading, writing, speaking and listening, with an emphasis on literary terms and their application in literary discussion and analysis. The course includes an introduction to literature with a study of literary types, as well as basic research skills with an emphasis on source citation. An introduction to Greek and Latin roots and derivatives comprise the focus of vocabulary building and decoding skill development. (B) NCAA

English II

213101 (10) This one-year college preparatory course is designed for students with average and above average ability. Continued attention is given to the development of reading, writing, grammar, listening and speaking skills. Emphasis in literature is on the understanding and appreciation of literature. Exploration of expository texts and research skills continue to foster mastery. Continued focus on Greek and Latin roots and derivatives comprises the focus of vocabulary building and decoding skill development at this level.

(B) NCAA

English III

213202 (11) This one-year college preparatory course is intended for students with average and above average ability. Development in composition skills is on the organization and writing of more complex papers. Emphasis in literature is on the understanding and appreciation of quality American literature (B) NCAA

English IV

213302 (12) This one-year college preparatory course is designed for student's average and with average and above average ability. The course focuses upon the development of essay writing skills, public speaking skills and vocabulary. It further develops the ability of the student to understand British and World literature. (B) NCAA

Expository Reading and Writing

210208 (12) ERW is a 12th grade state wide approved Expository Reading and Writing Course that has been developed by the California State Universities, the California Community Colleges, and their use of the Early Assessment Plan (EAP). The goals of both ERW and EAP are to develop the non-fiction reading and argumentative writing skills necessary for graduating high school seniors. Completion of the ERW course with a grade of a C or better will satisfy placement into college level English at both CSU and Community Colleges, saving both time and money. Expository Reading and Writing will cover some of the same British and World 12th grade core curriculum, but in contrast to English IV, Expository Reading and Writing will focus less on literature and more on non-fiction and argumentative writing. (B) NCAA

Placement: "Conditional" Pass on the Early Assessment Placement exam (EAP)

English II Honors

213103 (10) This one-year college preparatory course is designed for students of above-average ability. The objectives of this course are the same as the objectives of English II. Brisk pace and demanding assignments ensure rigor and challenge the needs and interests of advanced student who choose to enroll in AP Language.

Placement: Examination, GPA, teacher recommendation, attendance record and/or additional preparatory work.

(B) NCAA

AP Language and Composition

217001 (11) This one-year course is designed for students with above-average ability who has had and/or would like to pursue honors study in English. Course content will be concerned with the study of representative examples of American literature from the 17th through the 21st centuries. All the skills of rhetoric will be stressed in tests and in individual written projects concerning the historical, literary, and social background of the period being discussed. Periodic oral reports will be required. The class is intended for students who plan to attend college and should not be attempted by students who are not willing to work at full capacity. Students completing this course are prepared to take the AP English Language Examination. Students completing this course are prepared to take the AP English Language Examination. (B) NCAA

Placement: Pre-AP English 10 teacher recommendation or entrance examination

AP Literature and Composition

217101 (12) Advanced Placement English is a rigorous, college-level class that provides an intensive, in-depth study of the major genres of literature in preparation for the AP Exam. The primary goal of the course is to develop students' abilities as readers, writers, and critics of literature.

(B) NCAA

Placement: AP English Language teacher recommendation or entrance examination

**DEVELOPMENTAL ENGLISH
(NON-COLLEGE PREP)**

Junior English

210206 (11) This course is non-college prep course designed to develop the skills of reading, composition, spelling and grammar in 11th graders who read below grade level. The course includes an introduction to literature and American themes with a study of literary types emphasizing remediation of below average writing skills.

Placement: By Reading Specialist only

Senior English

210207 (12) This course is a non college prep course designed for students of below average ability. The course focuses on the development of essay writing skills, public speaking skills, and vocabulary. It further develops the ability of the student to understand literature.

Placement: By Reading Specialist only.

ENGLISH SUPPORT

English Read 180

210017 (9-10) English Read 180 is an intensive reading intervention program designed to meet the needs of students whose reading achievement is below the proficient level. The program directly addresses individual needs through adaptive and instructional software, high-interest literature, and direct instruction in reading and writing skills. This course is a supplemental program to support a student's English course. Elective credit.

Placement: By Reading Specialist only

ELA I/ELD I – ELD Beginning

211007/211003 Emphasis will be placed on understanding spoken English as used in the classroom, the community, and the student's surroundings. Reading and writing skills will be used as the listening and speaking ability of the student grows. The curriculum is aligned with the state standards for English Language Development. Students should have at least a B grade or teacher recommendation to go on to ELD II. This is a two period class.

Placement: By Reading Specialist only

ELA II/ELD II Early Intermediate/Intermediate

211008/211004 (9-12) Emphasis will be placed on the continual development of listening, speaking, reading, and writing the English language using the structures introduced in ELD I. There will be additional structures introduced in ELD I. The purpose of this course is to complete the preparation necessary for the student to participate successfully into Grade level English. The course will be split into two parts. (1) Mastery of basic skills, listening, speaking, reading, and writing; (2) Application of language skills to the study of materials and themes appropriate to transition English courses. The curriculum is aligned with the state standards for English Language Development.

Prerequisite: ELD I and/or completion of ELD I test

Placement: By Reading Specialist only

Eng 3D I, II, III -- A Systematic Approach to the Acquisition of Academic English

210212/ 210213/ 211005 (9-12) These courses support English Learners at the Early Intermediate and Intermediate levels based on the ELPAC Assessment. Students are concurrently enrolled in a Grade level English course to support the acquisition of the academic vocabulary, speaking, listening, and writing vital to success in school and life, through this state-approved systematic program developed by Dr. Kate Kinsella. The English 3D Curriculum centers around current issues of high interest to high school students as the vehicle through which students produce nuanced, academic language which supports their success in all academic courses.

Placement: Based on ELPAC level and EL Coordinator/Reading Specialist Recommendation

ENGLISH ELECTIVES

Creative Writing

219804 (9-12) Creative writing is an English elective class that focuses on understanding and creating the imaginative writer's voice. Students will read, write, present and discuss the genres of creative writing including poetry, the short story, the novel, dramatic plays, and screenplays. Although this is designed to be a fun elective, students must still be ready to handle a moderate workload of reading and writing. Creative writing will not replace any required English class.

Course is pending A-G elective approval. NCAA

Prerequisite: A grade of C or better in previous English class

Journalism

211103 (9-12) Journalism is a one year course designed for students interested in newspaper journalism and developing their skills as a writer. The course explores the contemporary media and the ethical responsibility issues inherent in the press today. Students will learn the fundamentals of news, feature, editorial and sports writing. Copy reading, news style, and editing will be stressed. Students will create numerous original stories using varied structures and writing techniques. Students will also learn to create computer generated layouts, graphics. Students will also explore social media optimization. (G) NCAA

Advanced Journalism

211102 (10-12) Advanced Journalism is a one year course designed for students who've established themselves as skilled reporters and seek new challenges in the newsroom. Advanced Journalism pushes young journalists into the realms of investigative journalism. Advanced Journalism students will comb the community for primary documents that traces back Ukiah's history. These students will experiment with documentary creation, podcasting, and other forms of alternative media. Most Advanced Journalism students take on some sort of leadership role within the UHS News newsroom (G)

Prerequisite: Journalism

FOREIGN LANGUAGE

Spanish I

220601 Spanish I is designed for academically-oriented students with little to no prior experience with the Spanish language. It is a college preparatory course that focuses on the 4 language learning goals: reading, writing, speaking, and listening. Students learn a range of introductory level vocabulary involving themes such as school, shopping, pastimes, and family structure. Students will be competent using the present tense and the simple future (“going to”). Graduates of the course will be able to follow simple instructions in Spanish and be able to ask and answer simple Spanish questions in complete sentences. Daily homework and class participation form an important part of the student’s grade. (E)

Prerequisite: English with a C or better

Spanish II

220604 Spanish II continues the college-prep path of introduction to the Spanish language. Students in this course build more complex and academic vocabulary including such themes as one’s daily routine, childhood memories, athletics, and increasingly complex activities. Students will be competent using the present tense, the future tense, the present progressive, and the uses of the preterit vs. the imperfect in the past. Emphasis is placed on the preterit/imperfect. Graduates of the course will be able to conduct authentic conversations in Spanish, respond to complex instructions, and be able to ask and answer complex Spanish both verbally and in writing. Daily homework and class participation form an important part of the student’s grade. (E)

Prerequisite: Spanish I with a C or better and teacher recommendation

Spanish III

220701 This course is designed for students who are college-bound or are simply interested in an advanced and rigorous study of Spanish. Students will expand a complex, high-level vocabulary focusing on academic themes such as art, self and society, politics, and justice. Students will achieve competence in many advanced grammatical structures including: the subjunctive, the present perfect, the pluperfect, the conditional, and the imperative tenses. Students will be expected to conduct themselves in Spanish and will move towards complete Spanish interaction by the end of the year. They will begin to read complex texts and be able to respond intelligently and extensively both verbally and in writing both to the texts, to each other, and to the teacher. A strong foundation with the preterit and imperfect tenses is highly recommended. (E)

Prerequisite: Spanish II with a C or better and teacher recommendation

Spanish Language and Culture Advanced Placement (AP)

227501 This rigorous course is designed for students who are planning to attend college after high school or who are interested in advanced study and fluency in the language. Students will build a college-level vocabulary around and familiarity with AP themes including Personal and Public Identity, Modern Life, Families and Communities, Beauty and Aesthetic, Science and Technology, and Global Challenges. Students will move towards mastery of all of the relevant grammatical forms in the language. They will be expected to conduct all conversation in Spanish and should expect to receive nearly all instruction in the target language. Students will read, listen to, and watch academic, college-level texts and respond both verbally and in writing with thoughtful, grammatically sound, and appropriate responses. Emphasis is placed on academic writing and speaking with an emphasis on cultural comparison. Students will work to prepare for the College Board Advanced Placement Test in May. Successful completion of this exam (a score of 3 or better) partially qualifies a student for the Seal of Bi-literacy as well as constitutes transfer credit to many four-year universities. (E)

Prerequisite: Completion of Spanish III with a C or better and teacher recommendation.

Spanish for Spanish Speakers I

222501 This college-prep course is intended for academically-oriented students who can speak and understand Spanish. It is designed to develop skills in reading, speaking and writing, with an emphasis on sentence and paragraph structure. Development of spelling, vocabulary skills and grammar is also emphasized. The course also includes an introduction to literature with a study of literary genres. All materials and instruction may be completely delivered in Spanish. (E)

Prerequisites: Successful completion of the Dual Language Immersion Program through 8th grade with teacher recommendation or through demonstrated oral proficiency in Spanish.

Placement: All students qualifying for the Spanish for Spanish Speakers Program will begin their first year of study in Level 1. This course is designed to develop skills used in Levels 2 and beyond. Incoming 9th graders can challenge the Level 1 course by taking and passing (C+ or better) the SSS Level 1 Challenge Exam.

Spanish for Spanish Speakers II

222502 This one-year course is designed for students with average and above average ability in Spanish. Continued attention is given to the development of reading, writing, grammar, listening and speaking skills. Emphasis in literature genres: short stories, essays, poetry, novels, drama and translation on the understanding and appreciation of literature of the Spanish speaking world. All materials and instruction are completely in Spanish. (E)

Prerequisite: Completion of Spanish for Spanish Speakers I with a grade of C or better and teacher recommendation or passing the Spanish for Spanish Speakers I Challenge Exam with a C+ average or better.

Spanish for Spanish Speaker III/ Honors

220703 This course is a college-level literature course. This course is highly recommended for students that would like to continue their language study in Spanish, gaining a more extended appreciation of literature of the Spanish-speaking world. The materials and instruction are delivered completely in Spanish. Students will develop a deeper sense of grammar, syntax and semantics of the target language by analyzing complex pieces of literature focusing on literature movements from the late nineteenth century to modern times. The materials and instruction are completely in Spanish. This course also offers an extended practice and preparation for the AP Spanish Language and Culture examination by the College Board. Successful completion of this exam (a score of 3 or better) partially qualifies a student for the Seal of Biliteracy. (E)

Prerequisites: Completion of Spanish for Spanish Speakers II with a grade of C or better or passing the Spanish for Spanish Speakers II End-of Course Exam with a C+ average or better.

Advanced Placement Spanish Literature and Culture

227601 This course is a college-level literature course. This course is highly recommended for students that would like to continue their language study in Spanish, gaining a more extended appreciation of literature of the Spanish-speaking world. The materials and instruction are delivered completely in Spanish. Students will develop a deeper sense of grammar, syntax and semantics of the target language by analyzing complex pieces of literature focusing on the required readings listed by the College Board. These readings will be studied within the context of the following AP themes: Creacion del género, Las sociedades en contacto, La dualidad del ser, Tiempo y espacio y Relaciones interpersonales. The course also offers extended practice and preparation for the College Board’s AP Spanish Literature examination.

Prerequisites: Successful completion either of Spanish for Spanish Speakers III Honors or AP Spanish Language and Culture with a grade of C or better

French I

220401 French I is designed for students with little to no prior experience with the French language. It is a college preparatory course that focuses on the 4 language learning goals: reading, writing, speaking, and listening. Students learn a range of introductory level vocabulary involving themes such as school, the supermarket, pastimes, and family structure. Students will be competent using the present tense, the future (“going to”) and will be introduced to past tenses such as the preterit and the imperfect. Graduates of the course will be able to follow simple instructions in French and be able to ask and answer simple French questions in complete sentences. (E)

Prerequisite: C or better in English course

French II

220403 French II continues the college-prep path of introduction to the French language. Students in this course will build a more complex and academic vocabulary including such themes as one’s daily routine, travelling, fashion, food, getting around the house, learning about the environment, technology and art. They will also be trained to complete increasingly complex activities. Students will be competent using the present tense, the future tense, the present progressive, and the uses of the preterit vs. the imperfect in the past. Emphasis is placed on the preterit/imperfect. Graduates of the course will be able to conduct authentic conversations in French, respond to complex instructions, and be able to ask and answer complex French both verbally and in writing. (E)

Prerequisite: Completion of French I with a C or better

French III

220501 This course is designed for students who are college-bound or are simply interested in an advanced and rigorous study of French. Students will expand a complex, high-level vocabulary focusing on academic themes such as art, self and society, the environment and they will also be exposed to the history of France and to its literature. Students will read and study famous French authors such as Molière, Rousseau, Rabelais and more. Students will achieve competence in many advanced grammatical structures including: the subjunctive, the present perfect, the pluperfect, the conditional, and the imperative tenses. Students will be expected to conduct themselves in French and will move towards complete French interaction by the end of the year. They will begin to read complex texts and be able to respond intelligently and extensively both verbally and in writing both to the texts, to each other, and to the teacher. A strong foundation with the preterit and imperfect tenses is highly recommended. (E)

Prerequisite: Completion of French II with a C or better

Advanced Placement French Language

227101 AP French Language is a college-level language course designed to prepare students to take the AP test towards the end of the year. The rigorous course is designed for students who are going to college after high school or who are interested in advanced study and fluency in the language. Students will build a college-level vocabulary around themes including the families and communities, personal and public identities, beauty and aesthetics, Science and technology, global challenges and contemporary life. Students will move towards mastery of all of the relevant grammatical forms in the language. They will be expected to conduct all conversations in French and should expect to receive all instruction in the target language. Students will read academic, college-level texts and be able to respond both verbally and in writing with thoughtful, grammatically sound, and appropriate responses. Emphasis is placed on academic writing and literary analysis. Students are expected to prepare for the Advanced Placement Test administered by the College Board whether or not they take the actual test. (E)

Prerequisite: Completion of French III with a C or better

MATHEMATICS

Pre-Algebra

242402 (9) Pre-Algebra is an introduction to basic algebra concepts and a review of arithmetic algorithms. The course is designed to help students overcome weakness in preparation in mathematics, emphasizing the concepts necessary to be successful in Algebra 1 and Algebra 2. The content covered includes the following: addition, subtraction, multiplication, and division of integers; solving equations; factors and fractions; rational numbers; ratio, proportion, and percent; inequalities; functions and graphing; real numbers and right triangles; two-dimensional figures; three-dimensional figures; statistics and probability; polynomials and nonlinear functions.

Placement: Math placement exam and teacher recommendation

Algebra Essentials

240309 (10-12) Algebra Essentials minimizes the number of standards and the rigor of those standards in an effort to make Algebra accessible to all students. Students who pass Algebra Essentials will have met the State's Algebra I graduation requirement. (This course is also offered in Spanish for ELL students - **Alg. Essentials SH 240310**)

Prerequisite (Class of 2020 and beyond): Completion of Pre-Algebra and math teacher recommendation

Placement: Math Placement exam and math teacher recommendation

Algebra I

240302 (9-12) this is a rigorous college preparatory class. Homework is assigned daily and is required. Students must have good study skills and strong work habits. The one-year course will prepare students for Algebra II and Geometry. (This course is also offered in Spanish for ELL students - **Algebra I- SH, 240314**) (C) NCAA

Placement: C or better on Math Placement exam and math teacher recommendation

Algebra II

240403 (9-12) this is a college preparatory course designed to prepare the student for Trigonometry. This course will improve problem solving abilities, deductive reasoning, and aid the student in the study of physics and chemistry. Homework is regular and is required. (C) NCAA

Prerequisite: Geometry with a C or better (not C-) and teacher recommendation

AP Calculus AB

248001 (10-12) this course will provide the student of elementary calculus with a collection of carefully selected representative problems. Calculus will deal in depth with limits, derivatives and integrals. Use of graphing calculators is required. A wide variety of application problems will be taught. Calculus students can earn college credit upon passing the AP Calculus AB Exam. (C) NCAA

Prerequisite: Trigonometry with a C or better (not C-) and Trigonometry teacher recommendation

AP Calculus BC

248101 (11-12). This course continues the study of first year college level calculus. It included topics in sequences, series, differential equations, theoretical treatment of limits, polar and parametric functions, numerical approximation methods and other topics. Use of graphing calculators is required. A wide variety of application problems will be taught. Calculus students can earn college credit upon passing the AP Calculus BC Exam. (C) NCAA

Prerequisite: AP Calculus AB with a C or better (not C-) and Calculus teacher recommendation

Business Math

240101 (10-12) Are you interested in a CTE mathematics course that will help you get a job and take the mystery out of everyday business and financial decisions? This course is designed to introduce students to careers in the banking and financial fields and to provide hands-on training for various entry-level positions in their community. This course is also part of an articulation agreement with Mendocino College, and in the process of being an accepted Career Pathway course. Topics to be covered include: Banking, Money & Finance in Business, Personal Financial Planning, Investment Fundamentals, Stocks, Bonds, Mutual Funds, Taxes and Insurance, Ethics, Global Economy International Trade, Careers in the Banking and Financial fields etc.

Prerequisite: Completion of Algebra math requirement

Geometry

241301 (9-12) This is a rigorous college preparatory course which coordinates special relationships and logical reasoning along with the use of algebra. Geometry builds upon the knowledge of the relationships among geometric elements. (C) NCAA

Prerequisite: Algebra I with a C or better (not C-) and teacher recommendation

Trigonometry/Advanced Mathematics

240701 (10-12) The course covers advanced algebra topics and trigonometry in a rigorous fashion. Daily homework is required. Graphing calculators are strongly recommended, with the TI-84 (plus or silver), the calculator of choice. Students successfully completing this class can be recommended into Statistics or AP Calculus for the following year. (C) NCAA

Prerequisite: C or better (not C-) in Geometry and Algebra II and teacher recommendation

Honors Trigonometry/Advanced Math

240703 (10-12) This course covers the same topics as trig/advanced math at a greater level of sophistication. It is very rigorous. Graphing calculators are required, with the TI-84 the calculator of choice. Students successfully completing this class can be recommended to AP Calculus for the following year, but may opt for Statistics. (C) NCAA

Prerequisite: B or better in Geometry and Algebra II and teacher recommendation.

Statistics

248302 (11-12) This course is an introduction to probability and statistics with an emphasis on techniques and applications that are useful in business, engineering, social and biological sciences. Statistics acquaints students with the major concepts and tools for collecting, analyzing, and drawing conclusions from data. (C) NCAA
Prerequisite: Algebra 2 and teacher recommendation.

MESA (MATH AND ENGINEERING SCIENCE ACHIEVEMENT)

609804 (9-12) MESA assists pre-college students (primarily from educationally disadvantaged backgrounds) to succeed in math and science studies in order to go on to college and major in these fields. In addition to receiving support in math and science classes, students will also be exposed to college preparatory activities such as college visitations, assistance with college and financial aid applications, development of personal statements, test preparation, career exploration, and peer-to-peer tutoring. Students should be committed to preparing for or enrolling in college preparatory courses, which meet the UC and CSU admission requirements throughout their four years in high school. During the second semester all students will participate in hands-on science projects culminating in regional and statewide competitions.
Placement: Selection Process is used for this course.
Minimum Criteria: C's or better in academic courses, 2.5 minimum GPA, Concurrent enrollment or completion of Algebra I.

Math Support

240210 (9-12) This course is designed to be a supplemental class to be taken in conjunction with Algebra I, Geometry, or Algebra II. This course is for elective credit. The course is designed to provide support in the three courses needed to satisfy CSU minimum math requirements.
 Co-Requisite: Algebra I, Geometry, or Algebra II
 Placement: Based on Counselor and/or teacher recommendation

PHYSICAL EDUCATION

Physical Education I

251505/251506 (9) Freshmen Physical Education students are required to successfully complete units of learning that focus on aquatics, team sports, fitness, combatives, and gymnastics. All 9th graders should be enrolled in PE I.

Physical Education 2

251501 (10) Sophomore Physical Education students are required to successfully complete units of learning that focus on individual, dual and team sports, and basic weight training/conditioning. Students also may elect to focus on units of learning in aquatics, outdoor education and/or repeat units already taken to improve their skills. All 10th graders should be enrolled in Physical Education 2.

PE BFS

259802 (11-12) Junior and Senior Physical Education students are advised to successfully complete units of learning that focus on strength training and conditioning. Students enrolled in this course will be involved in a program that utilizes weight training, plyometric, and agility drills. The goal of this program is to develop muscular strength and endurance, quickness, power and speed. For PE credit.

Mind Body Fitness (Previously Cardio Fitness)

251509 (11-12). This course will consist of cardiovascular exercises in the form of (but not limited to) running, hi/lo impact movement, aerobic step and kickboxing, hiking, Pilates, yoga, Piyo, P90X and body toning workouts (circuit training). Personal fitness tests will be given throughout the semester, along with goal setting and collaboration among peers. This class will expose students to a variety of exercises that can be used outside of a school setting, on a more individual and small group level to promote lifelong fitness. For PE Credit.

SCIENCE

STEM Environmental Earth Science

(STEM 1 Integrated)

261807 (9-10) The Integrated STEM Environmental and Earth Sciences course fuses natural resources and computer programming applied to real-world scientific problems where solutions are constructed by students. Students undertake investigations in environmental and biological sciences using Logo, a programming language, to read sensors and to obtain and analyze data. They will also develop and use models, construct explanations and arguments from experimental evidence, and report and communicate their results to peers and instructors. (G)
Prerequisite: none
Graduation Requirement Satisfied: Physical Science

STEM Life Science (STEM 2 Integrated)

262010 (10-12) The Integrated STEM Life Science course is the second year course for students planning on community college or vocation/career after high school, or as a foundation course for enrollment in a future college prep. Science course. This course will fuse together science concepts related to the biological/life sustaining systems with current technology applications to investigate and problem solve real world phenomena. The course will include hands-on activities and simulated labs, and emphasize reading, writing, organizational skills, and basic science process skills while building on the computer programming, technology, and engineering skills learned in the STEM 1 course.

Prerequisite: STEM 1 Environmental Science

Graduation Requirement Satisfied: Life Science

Biology

260302 (9-12) Biology is a first year college-prep lab science course. This course includes hands-on activities and laboratory investigations, and emphasizes reading, writing, research, organizational skills, lab techniques, and science

process skills relevant to real world science applications. NGSS (Next Generation Science Standards) outlines topics covered and include fundamental principles of chemistry, cells, physiology, genetics, evolution, and ecology using natural phenomena and problem solving exploratory learning. Excellent attendance and reading skills are necessary for this course. (D)

Prerequisite: 2.5 GPA or above, concurrently enrolled or completion of Algebra I

Graduation Requirement Satisfied: Life Science

Physical Science

XXXXXX (10-12) The purpose of the Physical Science course is the systematic study of the physical world, as related to chemistry, physics, and space science. The topics studied in the course include the study of matter, energy, and waves, forces and motion, and the universe. This course is ideal for students not quite ready for the math and skill requirements needed to access Chemistry or Physics and/or college bound students interested in a non-science major. (D)

Prerequisite: Biology, Sustainable Ag Bio, or Stem Life Science.

Graduation Requirement Satisfied: Physical science

Chemistry

260701 (10-12) Chemistry is a college-prep lab science course. This course will include hands-on activities and laboratory investigations, and will emphasize reading, organizational skills, problem-solving skills, lab techniques, and science process skills. Topics covered include fundamental principles of the structure and function of matter. Excellent attendance and reading skills are necessary for this course. (D)

Prerequisite: concurrent enrollment or completion of Algebra II

Graduation Requirement Satisfied: Physical Science

Physics

261302 (10-12) Physics is a second or third year college-prep lab science course. This course will include hands-on activities and laboratory investigations, and will emphasize reading, organizational skills, problem-solving skills, lab techniques and science process skills. Topics include fundamental principles of mechanics, waves, optics, electromagnetism, nuclear physics and heat. Excellent attendance and reading skills are necessary for this course. (D)

Prerequisite: 2.5 Cumulative GPA, completion of Biology with a C or better, and concurrently enrolled or completion of Algebra II with a C or higher. Concurrent enrollment or completion of Trig is highly recommended.

Graduation Requirement Satisfied: Physical science

AP Physics

261301 (11-12) This course is organized to bring together the fundamental science principles and theories of general physics. The course is intended to encourage students to think about physics concepts as interconnected pieces of a puzzle. The solution to the puzzle is how the real world around them actually works. Students designed to be the equivalent of an introductory college course in physics. Student must be motivated, self-starter, a critical thinker, an avid reader, a problem-solver, have excellent writing skills, and good attendance.

College Board offers 4 different levels of AP level Physics Exams. The course is designed to prepare students to take AP Physics C Mechanics, in turn also preparing them for AP Physics 1. AP Physics C Mechanics exam is calculus based and requires high computational skill along with analytical skill. AP Physics 1 exam is algebra based and is rigorous in fundamental physics concepts and requires high ordered analytical skill and language skill.

Students who are planning to major in physics or engineering, should focus on AP PHYSICS C Mechanics.

Prerequisite: Concurrent enrollment in AP Calculus and Completion of Biology & Chemistry with C or better in all semesters, Cumulative GPA of 3.0 or higher. Completion of Physics or introductory physics is highly recommended.

AP Environmental Science

267401 (11-12) This course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goal of the APES course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and preventing them. Student must be motivated, self-starter, a critical thinker, an avid reader, a problem-solver, have excellent writing skills, and good attendance. (D)

Prerequisite: Completion of Biology & Chemistry with C or better in all semesters, Cumulative GPA of 3.0 or higher.

ADDITIONAL SCIENCE OPTIONS:

Animal Science Pathway

Intro to Agriculture

(Pathway Course 1) 7100001 (9-10) This course is designed to meet the needs of the first year agriculture student. Students will acquire a broad understanding of modern agriculture and develop an awareness and appreciation for the myriad of career related opportunities in agriculture. Students will experience the opportunity to work cooperatively within groups, as well as develop and expand leadership abilities. The major portions of the course include the following: California Agriculture, Leadership, Plant Science, and Animal Science. Participation in FFA activities and a Supervised Agricultural Experience Project (SAEP) are important parts of the class and will be part of the student's grade.

Prerequisite: none

Graduation Requirement Satisfied: Life or Physical Science

Next Course in Pathway: Veterinary Practices

Sustainable Agriculture Pathway

Sustainable Agriculture Practices

(Pathway Course 1)

713301 (9-12) Sustainable Agriculture is a one-year lab course designed to integrate biological science practices and knowledge into the practice of sustainable agriculture. The course is organized into four major sections, or units, each with a guiding question. Unit one addresses the question, what is sustainable agriculture? Unit two, how does sustainable agriculture fit into our environment? Unit three, what molecular biology principles guide sustainable agriculture? Unit four, How do we make decisions to maximize sustainable agricultural practices within a functioning ecosystem? Within each unit specific life science principles will be identified with agricultural principles and practices guiding the acquisition of this knowledge, culminating in the development of a sustainable farm model and portfolio of supporting student research. **(D)**

Prerequisite: none

Graduation Requirement Satisfied: Life Science

Next Course in Pathway: Soil Chemistry

Agriculture and Soil Chemistry

(Pathway Course 2)

2713501 (10-12) This lab course explores the physical and chemical nature of soil as well as the relationships between soil, plants, animals and agricultural practices. Students will examine properties of soil and land and their connections to plant and animal production. Using knowledge of scientific protocols as well as course content, students will develop an Agriscience research program to be conducted throughout the first semester of the course. **(D)**

Prerequisite: Completion of Sustainable Ag with a C or better, and completion of Algebra I Graduation Requirement Satisfied: Physical Science

ADDITIONAL AG PATHWAY OPTIONS:

Ornamental Horticulture Pathway

Floral Design

716301 (9-11) The Art and History of Floral Design provides an introduction to artistic and creative perception including aesthetic valuing through a series of projects in various media including tempera, pencil, flowers, tile, and a variety of research reports and reflective papers. Students are also introduced to the elements and principles of design such as line, shape/form, color, texture, balance, and emphasis using a series of floral-based projects to explore the connections, relations, and application to visual arts design. Students will research and study floral trends to understand and develop an appreciation for floral design within historical and cultural, formal and casual, ceremonial and traditional, including understanding that floral designs are affected by society, culture, history, politics, and economic influence. Final projects will be eligible for Career Development Event competition in FFA events. Throughout the course, students will be graded on participation in intracurricular FFA activities as well as development and maintenance of an ongoing supervised agricultural experience (SAE) program. **VPA (F)**

Advanced Horticulture

(Pathway Course 2)

716201 (10- 12) This course prepares students for careers in the nursery, landscaping, and floral industries. Topics include plant identification, plant physiology, soil science, plant reproduction, nursery production, and floriculture, as well as landscaping design, installation, and maintenance. Final projects will be eligible for Career Development Event competition in FFA events. Throughout the course, students will be graded on participation in intracurricular FFA activities as well as development and maintenance of an ongoing supervised agricultural experience (SAE) program. Elective Credit only.

Prerequisite: Floral Design with a C or better

Veterinary Practices

(Animal Science Pathway Course 2)

714202 (10-12) This course provides a study of common diseases of both small and large animals, the causes and means of prevention. Course work will include anatomy and physiology of domestic animals, nutrition, and parasites and diseases. Guest lectures, veterinarians, vector control officials and animal health technicians will also be provided to add knowledge of current practices that are implemented in the animal health fields. Students will gain practical experience in veterinary medicine by conducting hands on activities with livestock.

Elective Credit only

Prerequisite: Intro to Ag Science with a C or better

Ag Systems Management

(Sustainable Ag Pathway Course 3)

713502 (11-12) This integrated course combines an interdisciplinary approach to laboratory science and research with agricultural management principles. Using skills and principles learned in this course, students design systems and experiments to solve agricultural management issues currently facing the industry. Additionally students will connect the products created in this class with industry activities to link real world encounters and implement skills demanded by both colleges and careers. This course culminates with an agriscience experimental research project in which students design and conduct an experiment to solve a relevant issue. Final projects will be eligible for Career Development Event competition in FFA events. Throughout the course, students will be graded on participation in intracurricular FFA activities as well as development and maintenance of an ongoing supervised agricultural experience (SAE) program. **(G)**

Prerequisite: C or better in Sustainable Ag and Ag Soil Chem

SOCIAL SCIENCE

Introduction to World History

271202 (10) This non college-prep course meets the World History graduation requirement and is for sophomores who have reading and writing skills needs. Students study major turning points that shaped the modern world, from the late sixteenth century through the present, including the cause and course of the two world wars. The course follows the same timeline and concepts as World History, but with modified pacing and with learning activities designed to help students with analytical and communication skills.

Placement: By Reading Specialist and teacher recommendation

World History, Culture, and Geography: The Modern World

271204 (10) Required in a student's sophomore year to meet graduation and college entrance requirements. Students study major turning points that shaped the modern world, from the late sixteenth century through the present, including the cause and course of the two world wars. They trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues, especially as they pertain to international relations. Students develop an understanding of current world issues and relate them to their historical, geographic, political, economic, and cultural contexts. Students consider multiple accounts of events in order to understand international relations from a variety of perspectives. (A)

AP European History

277401 (10) AP European History is a college level course, designed to prepare high school students for the AP European History test. Although the class is a European History class it fulfills the California standards for World Cultures, History, and Geography, which are predominately based in European History. The class will cover European History from approximately 1450 (the high Renaissance) to the present. The class will introduce students to cultural, economic, political, and social elements that played a fundamental role in shaping today's world. The class will provide students a narrative of events and movements throughout the above-stated time period, an understanding of some of the principal themes in modern European History, an ability to analyze historical evidence and historical interpretation through primary documents, and an ability to express historical understanding in writing. (A)

Prerequisite: English with a C or better, teacher's recommendations, and a writing sample.

Introduction to U.S. History

270903 (11) This non college-prep course meets the US History graduation requirement and is for juniors who have reading and writing skills needs. Topics studied include: American Wars (Revolutionary and Civil War, World Wars I and II, Korean and Vietnam Wars); socioeconomic trends of the past and their effects on American society today, including causes and consequences of the inflation of the 20's, the Great Depression of the 30's, and the social changes that have taken place in the 20th century.

Placement: By Reading Specialist and teacher recommendation

U. S. History

270907 (11) Offered in the junior year to meet graduation and college entrance requirements. Several historical topics will be studied, evaluated and discussed, including American Revolution, Civil War, World Wars I and II, Korean and Vietnam Wars, and socioeconomic trends of the past and their effects on American society today, including causes and consequences of the inflation of the 20's, the Depression of the 30's, and the social changes that have taken place in the 20th century. (A)

AP U.S. History

277501 (11) This course fulfills and exceeds the U.S. History requirement for college entrance. Throughout the course, students will have the opportunity to increase their listening, speed reading, research, writing, oral and creative expression skills by participation in lectures, media productions, small and large-group discussions, and in individual study projects. Students completing this course are prepared to take the Advanced Placement U.S. History Examination. (A)

Placement: open

Introduction to American Institutions

279802 (12) This non college-prep course meets the American Institution graduation requirement and is for seniors who have reading and writing skills needs. Introduction to American Institutions is a course designed for seniors who have difficulty reading at the high school level. Its basic course contents are the same as American Institutions. The course includes a semester in Civics, and a semester of Economics.

Placement: By Reading Specialist and teacher recommendation

American Institutions

270308 (12) This course is a two-semester course for seniors. One semester will deal with the background and development of the American political system and how it works today. This semester's goal is to help each student become a knowledgeable and functioning member of our political society. The second semester is an introductory economics course covering fundamental concepts such as scarcity, opportunity costs, supply/demand, fiscal and monetary policy, and investment in equities. (A)

Advanced Placement Comparative Government

277201 (12) This AP course in Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. Comparison assists both in identifying problems and in analyzing policy-making. The course is based on the study of six countries: Great Britain, China, Russia, Mexico, Nigeria and Iran. During this semester students will develop a better understanding of these countries and by comparing these six countries to the United States, develop a more thorough understanding of their own country. **(A)**
Placement: open

SOCIAL SCIENCE ELECTIVES

Geography

271205 (9) This is a course designed to help students relate distant places and cultures to their own lives. Each unit addresses physical geography, human geography, and major issues of a specific region of the world. Students will learn how to make comparisons between physical and human geography by exploring the similarities and differences across cultures. This course does not meet the Social Studies requirement. It is a college prep elective. **(G)**

International and Global Studies

271502 (10-12) This class teaches students about issues and current events happening all over the world. Students analyze, debate, and discuss recent political, economical, historical, and cultural opinions as well as develop their own ideas. For example, students may study the war on terrorism, relations with other nations, the War in Iraq, global health issues, world-wide environmental problems, the role of the United Nations, globalization and other events specific to the time period. The goal of this class is to make students more aware of global events, to enhance and reinforce Social Science standards, and to prepare students for a more globally connected society. **(G)**

Native American Studies

279001 (9-12) This course will be a blend of dual enrollment (Sociology 241- Pacific Coast Indian Cultures and History 222- Native American History) and the White Bison curriculum. This course will introduce students to the cultural, historical, political, environmental, and educational perspectives of Native Americans. This class will also integrate the White Bison curriculum with a focus on self-image, self-esteem, health, and integrity as it relates to the Native American culture. Talking circles, mind mapping, and core teachers on “well-briety” are all important components of this course. Well-briety refers to leading a healthy lifestyle, mental, physical, spiritual, and emotional balance, connection to principles, values, and natural law.

Dual Enrollment with MCC

Psychology

271401 (10-12) The purpose of the course in Psychology is 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 sub-fields within psychology. They also learn about the methods psychologists use in their science and practice. **(G)**
Prerequisite: C or better in English

Sports Psychology

271404 (10-12) This course will introduce students to the field of Sports Psychology providing a broad overview of major topics including: history of sport psychology, foundational factors, confidence and focus factors, motivational factors, mental factors, social factors and emotional factors. A combination of academic and applied approaches will be used. Students will examine the human body and mind, to gain an understanding of how those influence mental and physical outcomes. The skills and concepts taught throughout the course are applicable not only to sport, but any other activity in a performance setting, as well as academia and life in general. This course will encourage students to reflect on and create balance among the different areas of their life such as, academics, family and athletics. Students will learn skills that will have an immediate impact, and will serve them well in future endeavors, such as choosing a potential college or career. **(G)**

AP Psychology

277601 (11-12) Advanced Placement Psychology is a rigorous, college-level course that provides students with an introduction to the diverse perspectives within the field of psychology. In preparation for the AP Exam, the course will explore influences on human and animal behavior ranging from environment to genetics. Students will also be exposed to a broad range of psychological disorders and the methods psychologists use in their treatment. The course will require nightly textbook reading and notetaking, supplemental reading, interactive class lectures, participation in class activities, presentations, small outside experiments, and frequent essay writing. Students electing to take this course should be self-driven and prepared for an intellectual challenge.

Placement: 11-12, B or better in English and History and demonstration of strong work-ethic. Any exception to the criteria must come with both a teacher and counselor recommendation and conference with the instructor.

NON-DEPARTMENTAL

Campus Culture

428009 (10-12) This course has a focused goal to help facilitate student-led projects that better the culture and climate of the campus. The inspiration of this course came from past senior projects that were powerful and had the potential to be really influential for the entire student body given more time and resources. The students in this class will work in collaboration with students in Leadership, FFA, and MESA to help develop and execute school wide projects. Campus culture is perfect for students interested in creating a positive change and taking action, interested in leadership skills and have a willingness and desire to collaborate, not afraid to be introspective and vulnerable, have an entrepreneur spirit, a willingness to think outside the box, and an interest in design thinking.

Prerequisite: Teacher approved signature

Strategies for Academic Success

609836 (10-12) A course for students who need additional support in their academic classes. Students will learn study skills and time management. This class is designed so that students are able to transfer the skills they learn into their other academic classes.

Student Leadership

271901 (10-12). An activity-based course designed for any interested student but specifically for elected student leaders. The primary goal will be to develop organizational and leadership skills, including improvement of written and oral communication in order to facilitate interpersonal relationships with peers and adults and to maintain the involvement in student and community affairs. Students are required to complete five hours each of community and school service hours per quarter outside of class time. Students may be also required to complete four-quarter projects that range from research papers (1,500-2,000 words) to a personal budget/career planning assignment. Lastly, students will be asked to attend retreats and trainings outside of school time.

Placement: Based on application essay and interview only

Yearbook

282101 (10-12) This course will challenge your creativity and business sense while you learn to design and produce a first-class product your peers want to buy at keep forever: the UHS Yearbook! Action photography and in-class assignments and then creating compelling layouts is the goal. The business of publishing also takes a look at funding and sales of the product. Requires enthusiasm, school spirit, a talent with words and images, and a desire to work as a team.

Prerequisite: Teacher Signature Required.

Completion of Journalism or Beginning Photography are desirable.

Sports Elective

251203 (10-12) Students can earn a semester of **elective credit** (this credit does not meet the state requirement of two years of physical education for graduation) for successful completion of a sport season. Each sport will be valued at five units. **Students may earn a maximum of 10 credits per year.**

Work Experience

490014 (11-12) General Work Experience enables a student 16 years or older to earn elective high school credit for having taxable paid employment. Students are graded on a combination of weekly-related instruction classes, weekly time cards and a job performance evaluation by the student's supervisor. A student may earn one credit for every thirty-six hours of work verified up to a maximum of ten credits per semester. Students are required to attend only one class meeting per week, thus allowing more time to work, do homework or participate in extracurricular activities.

***A MAXIMUM of only 30 credits** in Teacher Assistant, Instructional Assistant, Office Assistant, or Community Service may be applied toward graduation. **No freshman may take office assistant/teacher assistant.**

***Teacher Assistant**

No Educational Content Course

440110 (11-12) A student may work as an assistant for credit. Duties would primarily be clerical. A student may earn no more than 10 credits per year (5 credits per semester).

Placement: Supervising Teacher approval

***Instructional Assistant**

No Educational Content Course

440112 (11-12). A student may work as a teaching aide as long as they have previously taken the course and demonstrated a level of mastery in the subject.

Prerequisite: Previous coursework related to subject matter

Placement: Supervising Teacher approval

***Office Assistant**

No Educational Content Course

440102-440109 (11-12) A student may work in an office for credit. A student may earn no more than 10 credits per year (5 credits per semester). Unit stipulations are the same as those for Teacher Assistant. An office assistant must be responsible, trustworthy, and maintain confidentiality. All students must sign a contract agreeing to these conditions. A violation will result in a drop F for the semester.

Placement: A Building approval

***Community Service**

No Educational Content Course

609832 (11-12) This is a volunteer non-paid position in which a student finds a placement with a local school, non-profit or governmental agency in the community. The student gains experience, works with adults and learns about careers. Students must complete a minimum of 12 hours to earn credit for this course with a maximum of 60 hours and 5 credits per semester. 9th and 10th graders can add this course outside of their 6 period day.

SPECIAL PROGRAMS

Bridge Courses

Bridge Courses are designed for students with Individualized Educational Plans that require specialized instruction to meet Certification of Completion requirements. These courses focus on life skills related to both academic and social growth. Bridge courses can also be combined with general education courses and/or Supported Education courses. Courses include: SE Bridge English, SE Bridge Math, and SE Bridge Resource.

Learning Center Courses

Learning Center, or LC courses are designed for students with Individualized Educational Plans that require specialized instruction outside of the general education setting. These courses are designed for students reading and/or performing significantly below grade level who need a smaller classroom environment and additional support to meet their goals. Courses include: LC English I,II, LC Jr/Sr English, LC Algebra Essentials, LC Math Foundations, LC Science, LC Resource, and Workability.

Supported Education

Supported Education classes enable students with moderate to severe disabilities to receive a high school education. These classes are designed to help with practical life skills as well as strengthening educational skills. The student's individual skills are considered as course curriculum and lessons plans are designed. Courses include: SE Language Arts, SE Math for Life, SE Food Science, SE Community Skills, SE Intro to Business, SE Health Education, and Modified PE.

Young Parent

The Young Parent Program is designed to support pregnant and parenting students continuing their education while dealing with the responsibilities of raising a child. The program offers a wide range of academic courses including parenting, child development, and required academics and provides child care services. Ukiah Unified School District runs the program through South Valley High School.