



# NEVADA UNION HIGH SCHOOL

## 2018-2019 COURSE BULLETIN

*"Culture of Collaboration, Communication, Accountability"*

Nevada Union High School has made every effort to design and deliver curriculum with an emphasis on aligning California Content Standards with lifelong skills developed through our Schoolwide Learning Outcomes, SLO's. Nevada Union is on a 2 semester school year.

Long term planning is essential, as are periodic reviews of established student goals and progress. It is important for parents to be a part of the planning process; communicating with their students regarding future goals and working with school counselors as a team.

Please review the course selections in this handbook carefully, to meet your future goals and interests. Utilize the services of the school counselor to establish a clear focus and set of expectations in planning a program with realistic goals and providing for alternative choices if the need arises.

The Nevada Union staff is here to help you have a successful high school experience. Please call upon us whenever you have a question or concerns.

## Questions and Answers

### About Credits, Requirements, Registration and Graduation

#### 1. What is needed to graduate from Nevada Union?

In order to graduate, students must earn a minimum of 220 credits, complete all required classes, including passing Algebra 1 and completing a Senior Project.

#### 2. How do I earn credits?

Classes award 5 credits per period completed each semester with a grade of D or higher.

#### 3. How many credits can I earn each semester?

Since students normally take 6 class periods each day, it is possible to earn 30 credits each semester.

#### 4. Will all the classes I take be included on my record?

Yes.

#### 5. What happens if I fail a class?

Students make up credit in a credit recovery class in lieu of one of their elective choices.

#### 6. Can I repeat a class?

Students should consult with their counselor as only some classes may be repeated for credit. If a student retakes a class in order to improve a grade, additional credits will not be awarded.

#### 7. Where are my records kept?

Your records are kept in the Counseling office. Your counselor will be happy to review them with you.

#### 8. How long do classes last?

Unless otherwise noted, most classes at Nevada Union are scheduled for a full year.

#### 9. Can I change my schedule?

Student initiated schedule changes are allowed the first two weeks of the semester. Students will not be allowed to change classes because of period and/or teacher preference.

It is important that students carefully select classes during registration.

#### 10. How can I make an appointment to see my counselor?

Counseling appointments are made at the front counter of the Counseling and Records Office, the Attendance Counter or by email with your counselor.

#### 11. What do I need to do if I plan to go to college?

Planning for college is important. Get acquainted with your counselor as you will want to have an understanding of the varying entrance requirements, required testing, and available financial aid. College and financial aid nights, counseling workshops and presentations, college representative visits and meetings with your counselor are available options to learn more.

## Introduction to Course Planning

Nevada Union High School is committed to providing educational planning that addresses the diverse needs and talents of our entire student body and which will assist students in utilizing their high school education to its fullest.

Nevada Union students have options by which they can tailor a plan that will meet their specific needs and goals. Every freshman, with the help of his/her parents and counselor, will design a 4-year plan that will guide him/her through high school. The planning process is ongoing and students are free to change plans as individual goals, performance, and interests change.

On the following pages, each plan is described and an outline of the recommended course work is provided. All of the available research in career planning points to how critical educational preparation will be for students in the new millennium. The counseling staff strongly urges students and parents to review each of the plans to consider within the context of each student's ability, interests, maturation and goals.

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# FOUR YEAR COLLEGE PLAN

## (CSU/UC – Private /Out of State)

This plan is for students wishing to transition from high school directly to a four year college.

The “A-G” Requirements listed represent the minimum pattern of classes that must be completed for admission to a University of California or California State University Campus. This pattern typically meets the course requirements for private and public out of state colleges and universities. However, students are strongly encouraged to research those options and determine if there are additional requirements for the college/university of their choice.

Freshman admission to four year colleges is based upon a variety of factors that includes high school courses completed, grade point Average (GPA) and college admission test scores (SAT/ACT). Many colleges also look at school and community activities, work experience, demonstrated interest, recommendations and individual student hardship.

### More selective Colleges/Universities

Examples - UC Stanford, University of Souther California, CSU-Cal Poly San Lous Obispo and San Diego Campuses. These types of campuses typically select students whose pattern of courses significantly exceed the minimum “A-G” course pattern and include honors and/or AP courses. A rigorous senior year is also very important.

#### Grade 9

1. English 1
2. Math
3. Freshman P. E.
4. Science
5. World Languages/Elective
6. Elective

#### Grade 10

1. English II
2. World History
3. Math
4. Science/Elective
5. World Languages/Elective
6. P.E./Elective ‡

#### Grade 11

1. English III
2. U.S. History
3. Math
4. Science/Elective
5. World Languages/Elective
6. Elective

#### Grade 12

1. English IV
2. American Gov't/Econ
3. Math/Elective
4. Science/Elective
5. P.E./Elective
6. Elective

‡ 1 year P.E.

- Honors and Advanced Classes are recommended for the UC System.
- Fourth year of math important for college bound students.
- UC/CSU requirements do not reflect NJUHS District graduation requirements.

## UC/CSU “A-G” Requirements\*

### A - History: 2 years

- U.S. History \*\*
- American Government \*\* (1 semester)
- World History (required)

### B - English: 4 years

- English I-IV \*\*

### C - Mathematics: 3 years/4 years recommended

- Algebra I
- Geometry
- Algebra II
- Transition to College Math, Trig/Intro to Calculus, Calculus & Adv Math, Topics H, AP Calculus \*\*

### D - Laboratory Science: 2 years/3 years recommended

- Agriscience, Anatomy and Physiology of Plants and Animals, Biology, Ag. Biology, Green Biology or Human Biology H \*\*, Chemistry, AP Chemistry \*\*, AP Physics 1, AP Physics 2 \*\*, AP Environmental Science \*

### E - World Languages: 2 years/3 years recommended

- German 1, 2, 3, Spanish 1, 2, 3, 4,

### F - Visual or Performing Arts: 1 year

- Ceramics, Men’s and Women’s Chorus, Theatrical Dance, Introduction to Design, Digital Communication Arts, Drama, Drawing & Painting, Floral Design, Jazz, Symphonic & Concert Band, Photography, Adv. Television Production, Theatre Arts Set Design

### G - College Prep Elective: 1 year

- Computer Integrated Manufacturing, AP Computer Science A, AP Computer Science Principles, Competitive Debate. Creative Writing, Principals of Engineering, Engineering Design and Development, Environmental Horticulture, Journalism, Psychology, Introduction to Science, World Languages, Sciences and Math beyond required classes

\* UC/CSU requirements alone do not meet NJUHS graduation requirements.

\*\* Honors and Advanced Placement classes are recommended for the UC System.

# FOUR YEAR PLAN: COLLEGE AND CAREER READINESS

Community College    Career Tech    Military    Employment

## Two Year Community College Degree

This plan is designed to develop and maintain a level of academic skill which will prepare a student for community college course work. It provides students with the academic background needed for the general breadth requirements while also providing the technical/vocational foundation needed for an Associate of Arts or Science Degree. Students pursuing the two year community college degree must normally complete a minimum of 60 college credits.

## Community College Transfer Plan

This plan is for students who plan to attend a community college and then transfer to a four year university. An important aspect of this plan is that it allows students additional time in which to complete university entrance requirements. It is designed to encourage students to complete the highest level of academic course work they can while not forcing them into a schedule that they are unable to handle. Students choosing this approach will be required to complete at least 60 transferable college credits at the community college before transferring to the four year college with junior standing.

Transfer Plan - recommended completion of the following:

- Algebra I, Geometry and Algebra II
- One year Lab Science - Chemistry, Biology or Agricultural Biology
- Two years of the same language

## Core Graduation Requirements

English 1st Year .....		
English 2nd Year .....		
English 3rd Year .....		
English 4th Year .....		
P.E. 1st Year .....		
P.E. 2nd Year .....		
(or Sports) .....		
World History .....		
U.S. History .....		
Government/Economics .....		
Math 1st Year .....		
Math 2nd Year .....		
Math 3rd Year .....		
(Must Pass Algebra 1)		
Life Science .....		
Physical Science .....		
Visual/Performing Art OR Career Technical Education OR .....		
World Languages 1st Year		
** Complete Senior Project		

### Grade 9

1. English \_\_\_\_\_
2. Math \_\_\_\_\_
3. Freshman P. E. \_\_\_\_\_
4. Science \_\_\_\_\_
5. Elective \_\_\_\_\_
6. Elective \_\_\_\_\_

### Grade 10

1. English \_\_\_\_\_
2. World History \_\_\_\_\_
3. Math \_\_\_\_\_
4. Science \_\_\_\_\_
5. PE/Elective \_\_\_\_\_
6. Elective \_\_\_\_\_

### Grade 11

1. English \_\_\_\_\_
2. U.S. History \_\_\_\_\_
3. Math \_\_\_\_\_
4. PE/Elective \_\_\_\_\_
5. Elective \_\_\_\_\_
6. Elective \_\_\_\_\_

### Grade 12

1. English \_\_\_\_\_
2. American Gov't/Econ \_\_\_\_\_
3. Math/Elective \_\_\_\_\_
4. Elective \_\_\_\_\_
5. Elective \_\_\_\_\_
6. Elective \_\_\_\_\_

## NEVADA JOINT UNION HIGH SCHOOL DISTRICT NONDISCRIMINATION AND SEXUAL HARASSMENT POLICY NOTICE

### NONDISCRIMINATION

The Governing Board is committed to equal opportunity for all individuals in education. District programs and activities shall be free from discrimination based on sex, race, color, religious creed, national origin, ancestry, age, marital or parental status, pregnancy, physical or mental disability, medical condition, Vietnam era veteran status, actual or perceived sexual orientation, or any other unlawful consideration. The Board shall promote programs which ensure that discriminatory practices are eliminated on all district activities.

Any student who engages in discrimination of another student or anyone from the district may be subject to disciplinary action up to and including expulsion. Any employee who permits or engages in discrimination may be subject to disciplinary action up to and including dismissal.

Any students, staff member, or parent who feels that discrimination has occurred should immediately contact the teacher, principals of the school, or district Title IX Coordinator. If the concern is not resolved, a formal complaint may be initiated at the school or by directly contacting the district Title IX coordinator. Copies of the Uniform Complaint Form may be obtained from the school office or Title IX coordinator.

### SEXUAL HARASSMENT

The district has adopted the following strict policy containing the rules and procedures for reporting sexual harassment and

pursuing remedies.

"The Governing Board prohibits unlawful sexual harassment of or by anyone in or from the district. Sexual harassment is unwelcome sexual advances, request for sexual favors, or other verbal, visual or physical contact of a sexual nature made by someone from or in the work or educational setting. Any student who engages in sexual harassment of another student or anyone from the district may be subject to disciplinary action up to and including expulsion. Any employee who permits or engages in sexual harassment may be subject to disciplinary action up to and including dismissal."

Any student, staff member, or parent who feels that harassment has occurred should immediately contact the teacher, principal or the school, or district Title IX Coordinator. If the concern is not resolved, a formal complaint may be initiated at the school or by directly contacting the district Title IX Coordinator. Copies of the Uniform Complaint Form may be obtained from the school office or district Title IX Coordinator.

### TO FILE A COMPLAINT

1. Filing a complaint: Submit a formal written complaint to the principal or the Title IX Coordinator.
2. Mediation: Mediation is optional. It involves a third party to help in resolving the dispute. Mediation shall not extend the district's timeliness for investigating and resolving the

complaint unless the complainant agrees in writing to such an extension of time.

3. Investigation: The district will investigate the complaint and provide a written report of the investigation and decision within 30 days of when the complaint is filed.
4. Appeals: If the person making the complaint disagrees with the district's decision, he/she has 56 working days to appeal the decision to the school district Board of Education. If dissatisfied with the district's decision, the complainant has 15 days to appeal in writing to the California Department of Education.
5. The person filing the complaint may also pursue action in civil court.  
Complaints will be kept confidential.

The district prohibits retaliation against any participant in the complaint process. Each complaint shall be investigated promptly and in a way that respects the privacy of all parties concerned.

If you have a complaint contact a teacher, principal, site administrator or:

Louise Johnson,  
Superintendent of NJUHSD  
11645 Ridge Road, Grass Valley, CA 95945  
Phone: 530-273-3351

# Academies

## HUMANITIES ACADEMY

**Grade Levels:** 9-12

**Prerequisites:** An application is required for admission.

The Humanities Academy is a program that offers students the opportunity to take two required classes such as English 1 and Spanish 1 (option of Supported Studies for students with an IEP), English 2 and World History, English 3 and U.S. History, or English 4 and Economics/Government. The goals are to create close connections between students, teachers, parents and community; to give students more consistency in expectations and continuity in curriculum; and to use performance as a basis for assessment and evaluation. The focus of course work in this academy will be the acquisition of cultural knowledge, values, and wisdom essential for the well-rounded individual in the 21st century.

This program is rigorous, but not just for college bound students; it is directed toward students who are both serious about their education and self-directed learners who want some flexibility in their daily schedule and course work. The 9th and 10th grade programs will be primarily on campus while the 11th and 12th graders will have core subjects on campus as well as opportunities to work on projects outside of the traditional classroom and in the community. Applications may be obtained from your counselor.

## DIGITAL COMMUNICATIONS (PARTNERSHIP) ACADEMY

**Grade Levels:** 9-12

**Prerequisites:** An application is required for admission.

Functioning as a school-within-a-school, the Digital Communications Academy (DCA) offers college prep curriculum which focuses on giving students hands-on experience with video and television production. The DCA provides students with an opportunity to work with a team of teachers who co-ordinate many assignments and field trips. Smaller class size, a mentor program, and work experience are unique features of this Academy. Applications may be obtained from your counselor or from Mr. Giles in J-109.

## GREEN ACADEMY

**Grade Levels:** 9-12

**Prerequisites:** An application is required for admission.

The mission of the NUHS Green Academy is student success as measured against the standard of global stewardship. This small learning community is a close knit group providing the opportunity to build relationships among the students, teachers and the community. The focus is on four primary pillars: environmental awareness, sustainability, outdoor education and social action. Green Academy courses include Green English, Green World History, Green US History, Green Biology, Culinary Arts, Introduction to Design, AP Environmental Science. Applications may be obtained from your counselor.

 **Recommended Green Class** 

## GREEN BIOLOGY

**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Concurrent enrollment in Geometry

This course is a major component of the Green Academy whose goal is to focus on outdoor education, sustainability and activism. Students are made aware of the human impact on the environment and the limit of environmental resources. Topics covered will range from molecular and cellular biology through evolution and ecology. Every part of the course will be linked with the human impact on these topics and how they affect the planet's organisms from the cellular level through the entire Biosphere. This class will explore these interactions through the use of advanced laboratory study and fieldwork incorporating the large Green Academy garden and many other outdoor activities.

# Career Technical Education



CTE Class



## AGRICULTURAL PATHWAYS

Students enrolled in Agriculture Pathways will be engaged in agriscience curriculum as well as having the opportunity to be involved in student leadership and community service activities through the Future Farmers of America (FFA) organization on sectional, regional, state and national levels. As students progress through the advanced offerings in the program, they will participate in career exploration, project development and marketing which can even include apprenticeships with local businesses. Occupational experiences include small and large animal Nevada County Fair projects and extensive work experience projects. The course sequences provide an academic schedule for college bound students yet maintains flexibility for those students wishing to continue their education at a community college or technical school.

## AGRICULTURAL MECHANICS PATHWAY

### AGRICULTURE MECHANICAL SCIENCE I

**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** None

This class is designed for students interested in learning more about the ag mechanical field; emphasizing hands-on learning through a series of projects in metal and woodworking, electricity, arc and gas welding, metal work and carpentry. Advanced students design and build their own projects for personal use or fair exhibits.

## CSU/UC "D"

LIFE SCIENCE

## AGRICULTURE MECHANICAL SCIENCE II

**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Agriculture Mechanical Science I or teacher consent.

This class will provide students with additional understanding of physical science principles, agricultural mechanics and the use of power machines. This class is useful for students seeking employment upon high school graduation in the field of mechanics and for students planning to continue their education. Emphasis is on the use of power machines as well as arc welding, gas welding, mig welding, tig welding and small engines. Time is allowed for construction of personal projects in the agriculture apprenticeship course.

## FABRICATION AND DESIGN

### (Agriculture Mechanical Science III)

**Grade Levels:** 11-12

**2 Semesters - Repetition for Credit:** 1

**Prerequisites:** Agricultural Mechanical Science I and II or teacher consent.

This is a class designed to meet the needs of the advanced Agricultural Mechanical Science student in individualized learning and project design. It reinforces construction skills and consumer math skills. Basic math principles are taught through a series of individualized shop projects. Students will design and build Mechanical Science projects such as livestock equipment, outdoor furniture, trailers and truck beds.

## METAL ART SCULPTURE

### (Agriculture Mechanical Science IV)

**Grade Level:** 12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Agricultural Mechanical Science I, II and Fabrication and Design or teacher consent.

This course emphasizes the rich Native American Indian, mining and cowboy cultures of the Old West. The class is based on individual student metal art sculpture projects.

Note: Material fee requirement

## AGRISCIENCE/HORTICULTURE PLANT SCIENCE PATHWAY

### AGRISCIENCE

**Grade Levels:** 9-10 (CTE)

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Concurrent enrollment in Algebra 1

This class combines an interdisciplinary approach to laboratory science and research with agricultural management principles. Using skills and principles learned in the 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. The course culminates

### CSU/UC "D"

PHYSICAL SCIENCE

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 at FFA events. Throughout the course, students will gain experience through leadership development, Supervised Agriculture Experience (SAE) projects and career exploration in the area of agriculture.

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## FOREST & NATURAL RESOURCES MGMT

**Grade Levels:** 9-12 (CTE) PHYSICAL or LIFE SCIENCE  
**2 Semesters - Repetition for Credit:** None  
**Prerequisites:** None

In this course students become more aware of our forests and natural resources. Students will understand the complexity of the forest and the role man must take to wisely use this resource to our benefit without disrupting natural processes or wildlife. This course will explore evolution in the forest, forest types and distribution, employment opportunities, basic plant science, plant taxonomy, soils, forest management practices, and a fieldwork component which may include: timber stand improvement, recreation management and wildlife study.

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## AGRICULTURAL BIOLOGY

**Grade Levels:** 9-12 (CTE) LIFE SCIENCE  
**2 Semesters - Repetition for Credit:** None  
**Prerequisites:** Concurrent enrollment in Geometry or science teacher approval regardless of grade level.

Agricultural Biology is a one year, laboratory science course designed for the college-bound student with career interests in agriculture. Using agriculture as the learning vehicle, this course emphasizes the principles, central concepts, and interrelationships among the following topics: the molecular and cellular aspects of life, the life functions and interrelationships of plants and animals, focusing on growth and reproduction, genetics, animal behavior, animal and plant taxonomy, nutrition, health and disease and the ecological relationships among plants, animals and humans. Students will be involved in "hands-on" agriculture activities and projects. This course satisfies the "D" requirement for the UC/CSU.

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## AGRICULTURE COMMUNICATIONS

**Grade Levels:** 9-12 (CTE)  
**2 Semesters - Repetition for Credit:** 2  
**Prerequisites:** None

Agriculture communications is a one-year, repeatable elective course intended students who are interested in developing their leadership and communications skills. The Ag Communications course helps students acquire a broad understanding of a variety of leadership aspects, develop an awareness of the many career opportunities in agriculture, participate in occupationally relevant experiences, and work cooperatively with a group to develop and expand leadership abilities. Students study agriculture issues, careers and technologies; community service activities, oral/written communication and public speaking.

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## AGRICULTURE ENVIRONMENTAL HORTICULTURE SCIENCE

**Grade Levels:** 10-12 (CTE) PHYSICAL SCIENCE  
**2 Semesters - Repetition for Credit:** None  
**Prerequisites:** Interest in agriculture.

Horticulture offers hands-on experience in many areas of plant science. Students learn basic horticultural plant structures and functions, propagation methods, growing media and fertilizers, landscaping and pruning. Students gain an understanding of plant classification, anatomy, production and utilization, the study of plant diseases, their causes, nature and control, as well as pathogen biology are examined. Units in this course will also cover turf grass management, landscape design and irrigation systems. Students will learn to utilize environmental horticulture science principles as a relevant vehicle to learn biological principles and increase their ability to think analytically, problem solve, and utilize effective research practices.

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## ANATOMY AND PHYSIOLOGY OF PLANTS AND ANIMALS

**Grade Levels:** 10-12 LIFE SCIENCE  
**2 Semesters - Repetition for Credit:** None  
**Prerequisites:** Biology

This course is designed to prepare students with relevant knowledge and competencies associated with animal and plant science disciplines within agriculture. Students will analyze both the structure and function of living things, both animals and plants. This course will also provide a study of common diseases of plants as well as small and large animals and the cause and means of prevention. Systems of focus include the skeletal, muscular, cardiovascular, reproductive, immune and digestive systems; and a comparative study of how plants accomplish a similar function. Students will explore these concepts through dissections, labs, simulations, research projects and hands-on experiences. This course is UC approved for area D life science credit and will serve as part of the agriscience pathway. Students will be required to participate in both FFA activities and SAE involvement, both of which are graded components of the course. This course is well suited for any student wanting to go into any kind of medical and/or animal science related field.

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## FLORAL DESIGN

See description under Visual Arts

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## CSU/UC "G"

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## AUTOMOTIVE PATHWAY

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### AUTOMOTIVE SERVICES

**Grade Levels:** 10-12 (sophomores under 16 years old must have counselor approval)  
**Length of Course:** Full school year (period block)  
**Internship included:** No, on campus  
**Recommended Preparation:** Electronics, shop/tech core classes

This on-campus class offers instruction in engine performance, engine repair, automotive maintenance, electrical systems, transmissions and drive lines. Hands-on involvement in automotive services takes place in the Nevada Union auto shop. Employment opportunities may include entry-level technician, auto parts and service sales person.

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### AUTOMOTIVE TECHNOLOGY

**Grade Levels:** 11-12  
**Length of Course:** Full school year (2 hours each day)  
**Internship included:** Yes. Students must provide their own transportation to class and training sites.  
**Recommended Preparation:** Electronics, computer studies, shop/tech core classes.  
**Prerequisite:** Auto Services and recommendation of instructor.

An advanced class in automotive technologies offers instruction in all eight A.S.E. (Automotive Service Excellence) areas, introduction to on-board computers and testing, smog control testing procedures, engine overhaul and automotive technologies. Internship opportunities may include: auto dealerships, automotive repair or body shops, retail parts businesses, machine shops, brake and front end shops, motorcycle repair shops or specialty shops. Employment opportunities may include automotive machinist's helper, engine specialist, auto technician apprentice, brake and front end specialist, auto body/paint apprentice, collision repair, parts and inside sales, and emission control technician.

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## CULINARY ARTS PATHWAY

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### BEGINNING CULINARY ARTS

**Grade Levels:** 9-12  
**2 Semesters - Repetition for Credit:** None  
**Prerequisites:** None

This is a year-long introductory food and nutrition course. Students receive training in kitchen safety and sanitation, equipment and facility use, culinary math, knife skills, properties of ingredients, farm to table philosophies and food preparation techniques. Technique is taught in the context of international cuisine by preparing foods from around the world. Students learn from a variety of experiences: frequent hands-on cooking labs, guest chefs, cooking competitions, videos, demonstrations, group projects and in-class reading assignments. Students cook several delicious dishes each week. Communication, interpersonal skills, time management and other job-related skills are emphasized. Note: Donations to offset the cost of groceries are requested.

## ADVANCED CULINARY ARTS

**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** 1

**Prerequisites:**

1. Beginning Culinary Arts with teacher approval
2. Highly motivated, academically successful students who have not taken Beginning Culinary Arts may take this course with teacher approval.

*This advanced course is for the serious student interested in furthering his/her culinary knowledge or skill. The curriculum builds on concepts introduced in Beginning Culinary Arts with continued emphasis on integrating academics and job-related practices. Advanced skills are developed through the units on culinary math, knife speed and accuracy, equipment utilization, sanitation, menu planning, large volume food production, standardized recipes, cost analysis, and modern and classical food preparation technique. Culinary applications include: stocks and soups, sauces, poaching, roasting, sautéing, braising, cold food preparation, cheese and garnishes, meats and fish, grains, legumes and pasta, appetizers, and an extensive unit on breads and desserts.*

Note: Donations to offset the cost of groceries are requested.

## DESIGN & ENGINEERING PATHWAY

### INTRODUCTION TO DESIGN CSU/UC "F"

**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** None

*Students dig deep in the basic engineering and industrial design process. As an applied science, this course puts to practical use the knowledge gained from scientific inquiry, technology, engineering, visual art, and mathematics. Students largely focus on 3D modeling and design, but this course is also built around several hands on projects. In past years these included complex milled puzzles, turned brass and aluminum rings, 3D printing, laser cutting and engraving, Computer numerical control (CNC) plasma cutting and G-code based manufacturing robotics, assembly animation, and one day design challenge activities. This course also serves as a strong introduction to the use of Microsoft Suite, Adobe Suite, Gmail, Google drive, and a Canvas-based online LMS (learning management system) comparable to most colleges. This course satisfies the CSU/UC Fine Arts requirement.*

### PRINCIPLES OF ENGINEERING CSU/UC "G"

**Grade Levels:** 9-12

PHYSICAL SCIENCE

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Completion of Algebra 1

*This is the second course in the NUHS Design and Engineering Pathway, which continues exploration in pre-engineering concepts. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, robotics, the strength of structures and materials and automation. Students develop skills in problem solving, research and design while learning strategies for design and process documentation, collaboration and presentation.*

## COMPUTER INTEGRATED MANUFACTURING

CSU/UC "G"

**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Completion of Introduction to Design or Principles of Engineering

*This course builds understanding of manufacturing from design and engineering concepts. At the same time, it teaches students about manufacturing processes, builds upon the product design process, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system. This course is based in a 3,000 sq ft. Design & Engineering Lab with a full pathway specific computer lab, prototyping shop, 3D printing, laser engraving and cutting, CNC plasma cutting and robot gantry routing.*

## ENGINEERING DESIGN AND DEVELOPMENT

CSU/UC "G"

**Grade Levels:** 11-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Introduction to Design and Principles of Engineering or Computer Integrated Manufacturing.

*The knowledge and skills students acquire in the NUHS Design & Engineering Pathway come together in this capstone course, as they identify an issue and then research, design and test a solution - ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards; completing this course, ready to take on any post-secondary program or career.*

## DIGITAL COMMUNICATIONS PATHWAY

### COMMUNICATION ARTS (PARTNERSHIP) CSU/UC "F"

**2 Semesters - Repetition for Credit:** 3

**Prerequisites:** None

*A dynamic approach is applied to this introductory class. It is designed to provide the student with an overview of the media and its many applications, including print, radio, television, advertising and the power of the press. Students develop superior communication skills by using a variety of formats, including public speaking, the writing of visually oriented scripts and story-boarding. Additionally, students receive instruction in competency and apply newly found skills in the fundamentals of camera operation, basic editing techniques, lighting, audio and picture composition. There are a multitude of opportunities for students to work creatively as individuals and in groups, which encourages their experimentation with individual style and unique creative potential within the course framework as they gain an appreciation of video as an expressive medium.*

## ADVANCED TELEVISION PRODUCTION (PARTNERSHIP)

 CSU/UC "F"

**Grade Levels:** 11-12

**2 Semesters - Repetition for Credit:** 3

**Prerequisites:** Completion of Communication Arts with a grade of "C" or better and instructor's approval; must be enrolled in Partnership Academy.

*This project course provides hand-on experience in the production of a "live," on-campus, community news show, "Headline N.U. News." Students take the role of video journalists in learning how to plan, direct and produce the news show by building upon the skills learned in the pre-requisite course. Attention is given to journalistic practices such as locating sources, developing major news gathering tools, and presenting clear, concise, factual stories. In addition to the mechanics and style of reporting, this course surveys news media power, press responsibilities, and laws governing the publication of news. Learning how to proceed in the day-to-day operation of a television studio includes training in digital editing systems, use of digital studio equipment and production management elements. This multimedia class also covers the internet as an efficient means of research, and it's value as a scripting tool. In addition to the production of video packages and scripts, students produce a sophisticated video portfolio "reel" that provides tangible evidence of the skills utilized and mastered art.*

## SPORTS MEDICINE PATHWAY

### SPORTS MEDICINE

CSU/UC "G"

**Grade Levels:** 11-12

LIFE SCIENCE

(sophomores must have counselor approval).

**Length of Course:** Full School year (2 period block)

**College Articulation:** Students may receive college credit at Sierra College.

**Graduation Credit:** Life Science (NJUHSD)

*Learn the basic fundamentals and skills necessary in the field of athletic training. Instruction includes basic anatomy and physiology, prevention and assessment treatment; care of athletic injuries, immediate and temporary care of injuries; nutrition, training room/office management practice, procedures, standards and athletic ethics. Internship opportunities are with local high school athletic departments. Employment opportunities may include sports injury technician or athletic trainer aide in a high school athletic department, parks and recreation department, physical therapy clinic or fitness center.*

### ADVANCED SPORTS MEDICINE

CSU/UC "G"

**Grade Levels:** 11-12

LIFE SCIENCE

**Length of Course:** Full School year

**Internship Included:** No

*In this hands-on class, students will get experience with advanced athletic training procedures and techniques under the supervision of the instructor.*

Classroom instruction will build on concepts learned in the Sports Medicine class and will combine theoretical anatomy and physiology concepts with practical application. Student will be placed into internships either with sports teams or a physical therapy clinic. Future employment opportunities for students could include athletic training jobs, kinesiology careers, physical therapy, coaching careers and physical training careers.

## WOODWORKING PATHWAY

### BEGINNING WOODWORKING

**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** None.

This is an introductory CTE elective course in wood-working focused on craftsmanship, accuracy and technique. Students build four major projects throughout the year, while learning supporting principles in perspective drawing, CAD (computer aided drafting), safety, precision measurement and the design process. In years past, projects have ranged from wooden sketch-books with CNC (computer numerically controlled) carved covers, complex veneered boxes employing the Golden Ratio, small dovetailed cabinets, and mortise and tenoned stools. This course places special emphasis on handwork. Safety is reinforced all year.

Note: Students will be required to purchase materials.

### ADVANCED WOODWORKING

**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** 2

**Prerequisites:** Wood Production Development or instructor permission

Students continue their exploration in the ancient craft of working wood. Advanced wood focuses on skill building in sharpening, joinery, drawing and design, construction and finish, culminating towards executing a semester long master project—a full scale piece of student- designed furniture.

## English

**\*All students must take 4 consecutive years of English: 9th, 10th, 11th and 12th grades.**

## GENERAL ENGLISH CLASSES

### ENGLISH 1

**CSU/UC “B”**

**Grade Level:** 9

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** None

This course emphasizes the improvement of writing skills through well developed compositions; effective oral communication through discussion and presentations; appreciation of literature through reading, analysis and interpretation; and beginning research skills to gather pertinent materials.

### ENGLISH 1H

**CSU/UC “B”**

**Grade Level:** 9

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** None

This course is designed to challenge and enrich the levels of understanding of students identified for their superior level of English skills, critical thought and self-motivation. Students concentrate on development of multi-paragraph themes and detailed analysis of world literature. Students do not receive an extra grade point for grades earned in this course. Students not receiving a “B” or better at the semester may be moved to the regular English 1 class.

### ENGLISH 2

**CSU/UC “B”**

**Grade Level:** 10

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** English 1

English 2 is designed to reinforce the skills learned in English 1 and to further develop skills in reading, writing, listening, critical thinking and oral communication. Writing assignments emphasize the development of the longer essay. The literature includes the short story, the novel, poetry and drama with emphasis on world literature.

### ENGLISH 2H

**CSU/UC “B”**

**Grade Level:** 10

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** English 1

English 2H is designed to challenge and enrich the levels of understanding of students identified for their superior level of English skills, critical thought and self-motivation. Students concentrate on development of the essay and detailed analysis of world literature. Students receive an extra grade point for this class.

### ENGLISH 3

**CSU/UC “B”**

**Grade Level:** 11

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** English 2

Students review the rules that enable them to write clearly and persuasively. The major sections of the course deal with essay-writing skills and reading and interpreting representative works of American literature.

### ENGLISH 3H

**CSU/UC “B”**

**Grade Level:** 11

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** A or B in English 2, a letter of application, teacher recommendation and an interview.

The English 3H program is designed to challenge and enrich the levels of understanding of students identified for their superior level of English skills, critical thought, and self-motivation. Students will concentrate on further development of the essay and detailed analysis of American literature. The University of California recognizes this class as an honors class and therefore adds one extra point in computing one’s G.P.A.

### CONTEMPORARY ENGLISH

**Grade Level:** 11

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** English 2

Contemporary English is designed to extend reading and writing skills. Emphasis is placed on essay writing, practical skills (i.e. resumes, business letters, research papers) and public speaking. Choice of reading materials emphasizes contemporary, high interest fiction and non-fiction works. This class meets the third year high school graduation requirement but cannot be applied toward the CSU or UC English requirement.

### ENGLISH 4

**CSU/UC “B”**

**Grade Level:** 12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** English 3A and/or 3B

This course is designed to provide students with reading and writing skills needed for college work. The focus is on refinement of the essay form, research skills, and a chronological study of British literature. Students who receive lesser than a C or better in English 3 should consider enrolling in the Contemporary Issues class.

### ENGLISH 4AP

**CSU/UC “B”**

**Grade Level:** 12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** English 3, a letter of application, teacher recommendation and an interview. Incomplete summer reading assignment shall reflect zero credit for the assignment. Note: English 4AP is not limited to students who were previously enrolled in 3H.

The 4AP program is designed to challenge and enrich the level of understanding of students identified for their superior level of English skills, critical thought and self-motivation. Students will concentrate on further development of the essay, and detailed analysis of British literature. The University of California recognizes this as an honors class and, therefore, adds one extra point in computing one’s G.P.A. Students in English 4AP are encouraged to take the College Board Advanced Placement Test in May. Students who receive less than a B at the mid-semester may be moved to a regular English 4 class.

### ERWC ENGLISH 4

**CSU/UC “B”**

**Grade Level:** 12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** None

The ERWC (Expository Reading and Writing Course) is a college preparatory, rhetoric-based English language arts course for grade 12. It’s designed to develop academic literacy (advanced proficiency in rhetorical and analytical reading, writing, and thinking). Students who earn a C or above in this year-long course will be considered by the CSU system to be ready for freshman English courses without remediation.

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## CONTEMPORARY ISSUES

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**Grade Level:** 12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** English 3

*This course combines critical reading, discussion, research, techniques of debate, writing and presentation skills with a focus on local, state and national contemporary issues. It also incorporates instruction in correct conventions of writing and all outcomes expected for the senior project. It meets the graduation requirement for a fourth year of English. It does not fulfill the CSU or UC requirement for English 4.*

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## ENGLISH ELECTIVES

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### English Extension

**Grade Level:** 9, 10

**2 Semesters - Repetition for Credit:** 1

**Prerequisites:** Teacher approval

*English extension is a course designed to assist students who currently need additional help with freshmen or sophomore English class. This course builds vocabulary, reading, writing and grammatical skills through repetitive writing and reading assignments. Students will learn functional English skills to improve their performance in English. Placement in English extension is decided by teacher/counselor/parent and student input, grades and prior assessment scores.*

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### PHOTOJOURNALISM

**CSU/UC “C”**

**Part of CTE Pathway -- Design, Visual & Media Arts**

**Grade Levels:** 9-12

**Prerequisites:** “B” in other English classes or instructor’s permission.

*Photojournalism is a class designed to give the student experience in all of the processes and techniques utilized in the production of news material for publication. They will learn the role of journalistic photography as a visual news medium that creates interest, emotion, and commentary for viewers. Students will learn visual storytelling skills with practical experience in shooting and composing photo essays. They will explore documentary photography and use digital media software to imbed the visual story within the written journal story.*

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### YEARBOOK

**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** 2

**Prerequisites:** Instructor approval and above-average grades in English. Photograph and computer experience is preferred.

*Students are responsible for the production of the PROSPECTOR yearbook. Students will take photographs, design layouts, sell advertising, and work with computers writing copy, captions, and layout.*

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# Mathematics

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### PRE-ALGEBRA

**Grade Levels:** 9

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** None

*This course is designed to prepare students for either a one or two year Algebra 1 course. Students will review basic operations with numbers, fractions, decimals and percents. Students will learn different ways to organize and evaluate data, creating graphs and finding measures of central tendency. Students will review geometric concepts such as finding areas and perimeters of geometric figures and use the Pythagorean Theorem. Note taking and study skills will be emphasized to help prepare students for Algebra 1. Students need to pass both semesters of Pre-Algebra with a grade of C or better to be eligible for Algebra 1.*

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### MATH APPRECIATION/APPLICATION

**Grade Levels:** 11-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** open to 11th and 12th grade students only who have successfully completed Algebra 1 (or equivalent or higher). This course does not meet college admission requirements.

*This course looks at fun/interesting application of mathematics such as art, boolean logic, cryptography, coding, number theory, games theory, voting strategies, construction, cooking, etc. Students will review and enhance their understanding of algebra and geometry throughout the two semesters. This course fulfills 1 year mathematics requirements for 11th and 12th grade students.*

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### AP COMPUTER SCIENCE PRINCIPLES

**CSU/UC “C”**

**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** High School Algebra 1

*In this course, students will develop computational thinking skills vital for success across all disciplines such as using computational tools to analyze and study data, and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems and will discussing and writing about the impacts these solutions could have on their community, society and the world.*

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### AP COMPUTER SCIENCE A

**CSU/UC “G”**

**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Algebra 2 (can be concurrently enrolled)

*This course introduces fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. This course can satisfy the 3rd year of math for graduation.*

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### ALGEBRA A/B EXTENDED

**Grade Levels:** 9-11

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Test scores and/or teacher recommendation.

*The first year of this two-year Algebra 1 course is designed for students who need remediation in math skills including, but not limited to, the basic operations with whole numbers, fractions, decimals and percents.*

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### ALGEBRA 1

**CSU/UC “C”**

**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** None

*This first year algebra course is designed for students who already have a solid foundation in math and can handle, with confidence, all the basic operations with whole numbers, fractions, decimals and percents. Excellent study skills are essential for success in Algebra 1. Students need to pass both semesters of Algebra 1 with a grade of C or better to be eligible for Geometry the following year.*

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### GEOMETRY

**CSU/UC “C”**

**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Completion of Algebra 1 with a grade of C or better each semester.

*This is a course in plane Euclidean geometry. Students explore and study geometric figures and their properties. The focus of the course is mathematical reasoning: understanding deduction and induction, making conjectures, drawing conclusions, and formulating proofs.*

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### TRANSITION TO ALGEBRA 2

**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Algebra 1 and Geometry with a C for each class.

*This course is for students who have completed Algebra 1 and Geometry but are not ready for Algebra 2. Students who take this course should be ready for Algebra 2 the following year.*



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**ALGEBRA 2** **CSU/UC “C”**

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**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Completion of Geometry with C or better.

*All the concepts from Algebra 1 are reviewed and further developed. More advanced topics including logarithms, probability, and conic sections are studied. Functions and their relationships to the real world are emphasized.*

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**TRANSITION TO COLLEGE MATHEMATICS** **CSU/UC “C”**

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**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Algebra 2

*This course is for students who have completed Algebra 2 and do not feel confident about taking Trigonometry/Introduction to Calculus, or were not recommended by their Algebra 2 teacher to take Trigonometry. Upon completion of the course, students should be better prepared to pass the university screening examinations and will have more options open in college majors which require mathematics.*

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**TRIGONOMETRY/INTRODUCTION TO CALCULUS** **CSU/UC “C” OR “G”**

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**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** C or better in Algebra 2

*This course includes a semester of trigonometry and such topics as series and sequence, exponents and logarithms, polynomial and rational functions, behavior of functions, and probability.*

*Students who earned a grade of C in Algebra 2 should give serious consideration to taking Transition to College Math instead of Trigonometry/Pre-Calculus.*

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**CALCULUS AND ADVANCED MATH TOPICS H** **CSU/UC “C” OR “G”**

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**Grade Levels:** 11-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Trig./Intro to Calc. Students with a C or better are encouraged to take this class

*This course will feature a semester of calculus. Functions, limits, derivatives, integrals, and tools such as analytic geometry needed to support such studies will be covered. In addition, the course will include a wide variety of problem solving activities and a review of many Algebra 2 and Pre-Calculus topics.*

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**AP CALCULUS** **CSU/UC “C” OR “G”**

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**Grade Levels:** 11-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Trig./Intro to Calculus

*AP Calculus (AB - BC) is a study of Differential and Integral Calculus. This course includes material normally covered in a semester of college Calculus. The AP Calculus exam will be administered to all students at the end of the year. Students taking this course must complete a packet of work over the summer prior to the start of class. Students are expected to take the AP exam.*

## Performing Arts

Many classes require participation in after school performances.

### INSTRUMENTAL MUSIC

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**CONCERT BAND** **CSU/UC “F”**

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**Grade Levels:** 9-10

**2 Semesters - Repetition for Credit:** 3

**Prerequisites:** Ability to play a woodwind, brass or concert percussion type instrument.

*This course is designed for freshmen who play or would like to learn to play school band instruments. The instruments taught are flute, oboe, bassoon, clarinet, saxophone, trumpet, French horn, trombone, baritone, tuba and percussion. Sophomore musicians interested in learning to play a new instrument may enroll. Emphasis is placed on developing good tone quality, good music reading skills, proper breath support, developing technique, learning good intonation and good musical sound balancing skills. Students will perform the highest quality music literature available for their level. This literature is designed to increase understanding and appreciation of wind band music.*

*This is a performance class. Students participate in 1-2 performances first semester and 2-3 performances second semester. These will include school concerts, community events and band festival(s). This group also performs at graduation. A spring tour may be arranged at the discretion of the instructor.*

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**SYMPHONIC BAND** **CSU/UC “F”**

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**Grade Levels:** 11-12

**2 Semesters - Repetition for Credit:** 3

**Prerequisites:** Audition only

*This course is designed for all 11-12 grade students. Emphasis will be placed on developing tone, music reading skills, breath support, technique, intonation and musicianship to the highest degree of accomplishment possible. Students will perform the highest quality of music literature available for their level.*

*This is a performance class. Students participate in 2-3 performances first semester and 3-5 performances second semester. These will include school concerts, community events and band festival(s). This group also performs at graduation. A spring tour may be arranged at the discretion of the instructor.*

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**JAZZ BAND (BEFORE SCHOOL)** **CSU/UC “F”**

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**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** 3

**Prerequisites:** Audition for instructor and concurrent enrollment in Concert or Symphonic Band.

*This course is for advanced instrumental music students who are enrolled in the Nevada Union Concert or Symphonic Band and have passed an audition to be in the class. Students will learn the principles of jazz performance including; style, interpretation and improvisation.*

*This is a performance class. Students will perform at least 2-3 times first semester and 4-6 times second semester. These will include school concerts, community events and Jazz Festivals. A spring tour may be arranged at the discretion of the instructor.*

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**MARCHING BAND (AFTER SCHOOL)**

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**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** 3, P.E. Credit grades 10-12

**Prerequisites:** Concurrent enrollment in Concert or Symphonic Band or permission of instructor.

*This course is an intermediate/advanced level instrumental music performance class. Students learn marching fundamentals and advanced marching technique. Emphasis will be on providing music for football games (including halftime shows) and providing music at basketball games (boys and girls). The group will also attend community parades, field show competitions, winter percussion competitions and winter color guard competitions. This is an after school class for which the students will receive credit and a grade. A tour may be arranged at the discretion of the instructor.*

## DRAMA

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**BEGINNING DRAMA** **CSU/UC “F”**

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**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** 3

**Prerequisites:** None

*This introductory course focuses on improving the skills of the beginning actor. Activities include improvisation, pantomime, voice and diction exercises, monologue presentations, the writing and performance of original scenes.*

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**ADVANCED COMPETITION DRAMA A** **CSU/UC “F”**

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**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** 3

**Prerequisites:** Beginning Drama or permission of instructor.

*Competition Drama focuses on contemporary and classical monologue, scene, and one-act performances as they apply to competition standards. Culminating work will be selected and performed for public showcases and at regional acting competitions. Outside of class work and performances are mandatory for admittance to this class. Some competition fees may be required.*

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**ADVANCED PRODUCTION DRAMA B** **CSU/UC "F"**

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**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** 3

**Prerequisites:** Audition or permission of instructor.

*Production Drama will focus on all aspects related to the production of two full length plays to be presented to the general public. From acting to technical work to business considerations, students will learn and execute the tasks needed to bring a production from conceptualization to closure. After school work and rehearsals are mandatory for admittance to this class.*

## DANCE

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**THEATRICAL DANCE 1** **CSU/UC "F"**

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**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** 3

**Prerequisites:** None

*Beginning Dance students attain proficiency in multiple dance genres, including ballet, modern, jazz, hip hop, and character. This course is designed to introduce the high school dancer to classical as well as contemporary dance training, audition skills, composition, in-class performance opportunities, and historical/cultural appreciation of dance. All grade levels may take this course for Performing Arts Credit, repeatable for all four years of high school. Students in Grades 10-12 are eligible to take this course to fulfill 2nd year P.E. credit. Public performances are not required; however, students may volunteer to participate in performances. Choreography for performance in the fall and spring semesters will be taught. Additional staging and tech rehearsals after school will be required for students who choose to perform. Students will need dance clothing to participate, (dance clothing can be provided for students of need).*

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**THEATRICAL DANCE 2** **CSU/UC "F"**

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**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** 3

**Prerequisites:** ACCEPTANCE ONLY BY AUDITION

*The students achieve a high level of skill development at a faster pace in multiple dance genres, including ballet, modern, jazz, hip hop, and character. Students also study Pilates for Dancers to condition the body and improve awareness of anatomy and kinesiology. This course is designed to prepare the high school dancer for further study at the college, conservatory, or university level, training in classical as well as contemporary dance. Through choreography projects and in-class performances, students develop composition skills as well as cultural and historical appreciation of dance. Students are required to participate in the fall and spring dance productions. Some after-school and weekend rehearsals are necessary to prepare for shows.*

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**THEATRICAL DANCE PERFORMANCE ENSEMBLE (After School)**

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**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** 3

**Prerequisites:** MUST BE CONCURRENTLY ENROLLED IN Theatrical Dance 2, ACCEPTANCE BY AUDITION ONLY

*This course builds upon the coursework and technique of Dance 1 and 2. Therefore, students enrolled in Performance Ensemble must be concurrently enrolled in Theatrical Dance 2. Admittance to this class is by audition only. Performance Ensemble will include rehearsal, choreography projects, and performance preparation for multiple productions and field trips throughout the school year. Students help prepare for the annual productions and participation in these performances and rehearsals are mandatory, constituting part of your grade. In addition to the daily Performance Ensemble class, some additional after-school and weekend rehearsals will be mandatory to prepare for performances. One weekend per month is required for Student Choreography Showcase and typically one weekend per month is reserved for guest choreographers. Students will complete a year-long portfolio project consisting of research assignments related to career pathways in dance and the arts, performance critiques, choreography reflections, and dance teaching methods.*

## CHORUS CLASSES

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**MEN'S CHORUS** **CSU/UC "F"**

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**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** 3

**Prerequisites:** None

*Students will study and perform music drawn from Renaissance, Baroque, Classical, Romantic and Modern repertoire specifically suited for men's voices. Students will study and practice principles of good choral pedagogy, music theory, and ear training. This is a beginning course.*

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**WOMEN'S CHORUS** **CSU/UC "F"**

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**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** 3

**Prerequisites:** None

*Students will study and perform music drawn from Renaissance, Baroque, Classical, Romantic and Modern repertoire specifically suited for women's voices. Students will study and practice principles of good choral pedagogy, music theory, and ear training. This is a beginning course.*

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**BEL CANTO** **CSU/UC "F"**

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**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** 3

**Prerequisites:** Women's Chorus and/or audition

*Students will study and perform music drawn from Renaissance, Baroque, Classical, Romantic and Modern repertoire specifically suited for women's voices. Students will study and practice principles of good choral pedagogy, music theory, and ear training. This is an intermediate course.*

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**ENSEMBLE** **CSU/UC "F"**

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**Grade Levels:** 11-12

**2 Semesters - Repetition for Credit:** 1

**Prerequisites:** Bel Canto and/or audition

*This is an advanced level course open to junior and senior students who have advanced vocal and music reading ability as well as a keen sensitivity to pitch. Sophomores may be invited to membership by the instructor. Ensemble covers the study of advanced choral literature written for three and four-part treble voices.*

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**MINERS' CHORUS** **CSU/UC "F"**

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**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** 3

**Prerequisites:** Men's Chorus and/or audition

*This advanced level course is open to bass and tenor voices with advanced vocal and music-reading ability as well as a keen sensitivity to pitch. The students study four-part choral literature written in the bass and tenor ranges.*

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**CHAMBER CHOIR (Before School)** **CSU/UC "F"**

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**Grade Levels:** 11-12

**2 Semesters - Repetition for Credit:** 3

**Prerequisites:** Chosen by instructor and concurrent enrollment in Ensemble or Miners' Chorus.

*This class is for advanced vocal students.*

## Physical Education

Freshmen must enroll in Physical Education. The physical education program has groups of units, four to nine weeks in length, offered at two levels - Freshmen PE and Upper Level PE for sophomores, juniors and seniors.

Twenty credits of PE are required for graduation.

In addition to Freshman PE and Upper Level PE, students may enroll in classes such as dance, basketball, weight training, football, wrestling, baseball/softball, cross age tutoring.

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**FRESHMAN P. E./ HEALTH**

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**Grade Level:** 9

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** None

*The freshmen co-ed program introduces students to a variety of physical activities including team sports, individual sports, aquatics and introduction to weight training and fitness. Emphasis is placed on evaluating personal fitness and setting goals for a healthier lifestyle.*

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**AEROBICS**

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**Grade Levels:** 10-12

**Prerequisites:** Freshman P. E.

*Aerobics is a high energy, low impact workout designed to increase cardiovascular fitness, shape muscles and increase flexibility using a variety of music and equipment. Aerobics will be combined with an introduction to yoga, Pilates, body bars, DDR and water aerobics.*

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## ADAPTED PHYSICAL EDUCATION

In meeting the needs of all identified special education students in Physical Education, Nevada Union High School offers a program in Adapted Physical Education.

The adapted program enables physically and/or developmentally challenged students to participate to their fullest potential.

This class provides individualized activities to meet each student's needs and conditions under the supervision of an adapted physical education specialist.

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## BASEBALL/SOFTBALL P.E.

**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** 2

**Prerequisites:** Freshman P. E.

This course is designed to prepare the student for lifelong participation in competitive baseball or softball. Fundamental skills such as throwing, fielding, hitting, pitching, catching, infield and outfield play, and base running will be taught, practiced and refined.

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## BASKETBALL P.E.

**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** 2

**Prerequisites:** Freshman P. E.

This course is designed to prepare students for participation in competitive basketball. Student placement is based on skill level, interest and equipment used. Curriculum includes weight training, passing, dribbling, pivoting and shooting, and advance drills utilizing these skills.

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## DANCE 1

**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** 2

**Prerequisites:** None

In this class, students will use their creativity and improve their dance technique including coordination, rhythm, memory, strength, imagination and awareness of standard steps and a variety of dance styles. Using an interdisciplinary approach, emphasis is placed on developing basic dance skills, aesthetic and cultural appreciation, and increased self-esteem. During the third and fourth quarters, focus will be on preparing choreography for public performance.

Freshmen who take dance will receive

Performing Arts credit only as all freshmen must take P.E. Note: Students may be required to purchase materials.

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## DANCE 2

**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** 2

**Prerequisites:** Audition

This class continues the development of basic dance skills on a more advanced level. More emphasis is placed on technique, performance and choreography. Students are expected to participate in auditions and performances in and out of class and will complete a portfolio of their skills and repertory.

Students will also be expected to complete written assignments. Dance fulfills the university "F" requirement. Note: Students may be required to purchase materials.

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## FOOTBALL/WEIGHT TRAINING

**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** 2

**Prerequisites:** Freshman P. E.

This course is designed to help develop an athlete to his/her maximum potential by focusing on strength, explosiveness, agility, flexibility, and the ability to work at maximum output. Curriculum includes weight training, flexibility, agility and speed development.

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## PHYSICAL EDUCATION OPPORTUNITY IN A PARTNERED LEARNING ENVIRONMENT (P.E.O.P.L.E.)

**Grade Levels:** 11-12

**Prerequisites:** Freshmen P.E. and counselor recommendation.

This course is an option for upper level P.E. credit. Students earn a letter grade based on attendance, active participation and how well they work with assigned partner(s). The P.E.O.P.L.E. program has required trainings that apply to their work with students with special needs in P.E. and related subjects within the field of special education. A contract is required. There are limited assignments based on need.

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## UPPER LEVEL ACTIVITIES

**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** 2

**Prerequisites:** Freshman P. E.

This course is designed to introduce students to more advanced skill development in the activities that they had during their freshmen year. Emphasis will be placed on developing skills for lifetime sports.

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## WEIGHT TRAINING & CONDITIONING

**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** 2

**Prerequisites:** None

Students will be introduced to basic muscle anatomy, nutrition and exercise principles. The class will include instruction in proper and safe lifting techniques, aerobic conditioning, and development of personal fitness programs.

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## ADVANCED WEIGHT TRAINING & CONDITIONING

**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** 2

**Prerequisites:** Current Athlete

Students will be introduced to basic muscle anatomy, nutrition, and exercise principles. The class will include instruction in proper and safe lifting techniques, aerobic conditioning, and development of personal fitness programs.

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# Science

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## LIFE SCIENCE

**Grade Level:** 9

LIFE SCIENCE

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** None

Life Science is a practical study of the characteristics and functions of living things. It emphasizes current, meaningful knowledge and develops an awareness of living things, the processes which keep organism alive, and the ecological relationships between organisms.

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## INTRODUCTION TO SCIENCE

CSU/UC "G"

**Grade Level:** 9-10

PHYSICAL or LIFE SCIENCE

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Concurrent enrollment in Algebra 1 or higher.

This course is designed to introduce the student to the fundamentals of physics, chemistry, biology, and earth science. This lecture course also includes an introduction to basic laboratory skills, note taking techniques and testing procedures. This course is primarily intended for freshmen who plan to take a lab science in the future. This course fulfills a life or physical science requirement and is given academic elective credit by the CSU/UC.

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## EARTH AND SPACE SCIENCE

**Grade Levels:** 10-12

PHYSICAL SCIENCE

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** None

This science course is designed to expose the student to scientific methods, concepts and vocabulary in relation to the non-living, natural world. Earth Science is the study of our earthly habitat, which is a synthesis of all terrestrial systems, including Geology, Chemistry, Hydrology, Oceanography, Meteorology and Astronomy. Laboratory problems are performed to demonstrate concepts and enhance the understanding of material presented.

This course fulfills a physical science graduation requirement.

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## APPLIED ECOLOGY

**Grade Levels:** 10-12

PHYSICAL or LIFE SCIENCE

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** None

Applied Ecology is an integrated science course that covers areas of Earth Science, Physics and Biology. The course focuses on concepts in these areas. Much of the course is directly linked in an ecosystem approach to the Sierra Nevada. This course fulfills a life or physical science graduation requirement.

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**PRINCIPLES OF ENGINEERING**  **CSU/UC "C"**

**Grade Levels:** 9, 10, 12 **PHYSICAL or LIFE SCIENCE**

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Algebra 1

*This class explores pre-engineering concepts through problems that engage and challenge students. Students explore a broad range of engineering topics, including mechanisms, robotics and automation, and the strength of structures and materials. Students develop skills in problem solving, research and design while learning strategies for design and process documentation, collaboration and presentation.*

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## LABORATORY SCIENCE COURSES

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**BIOLOGY** **CSU/UC "D"**

**Grade Levels:** 9-12 **LIFE SCIENCE**

**Prerequisites:** Concurrent enrollment in Geometry or science teacher approval regardless of grade level.


*This course of study places emphasis on living organisms, their diversity, which also include investigation into the patterns of life, both present and past. Particular emphasis is placed on molecular and cellular aspects; the role of humans; and the problems of preservation and conservation of the natural resources necessary to his survival. Laboratory experiments and demonstrations are performed to enrich the understanding of the subject matter. This course fulfills a life science lab requirement for CSU/UC.*

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**AGRICULTURAL BIOLOGY**  **CSU/UC "D"**

*See description under Career Technical Education*

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**GREEN BIOLOGY**  **CSU/UC "D"**


**Grade Levels:** 9-12 **LIFE SCIENCE**

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Concurrent enrollment in Geometry

*This course is a major component of the Green Academy whose goal is to focus on outdoor education, sustainability and activism. Students are made aware of the human impact on the environment and it's limited environmental resources. Topics covered will range from molecular and cellular biology through evolution and ecology. Every part of the course will be linked with the human impact on these topics and how they affect the planet's organisms from the cellular level through the entire Biosphere. This class will explore these interactions through the use of advanced laboratory study and fieldwork incorporating the large Green Academy garden and many other outdoor activities.*

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**AGRISCIENCE**  **CSU/UC "D"**

*See description under Career Technical Education*

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**CHEMISTRY** **CSU/UC "D"**

**Grade Levels:** 10-12 **PHYSICAL SCIENCE**

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Completion of Biology with a "C" or better, and concurrent enrollment in Algebra 2.

*This course is the study of the composition of matter and the changes which take place within the composition of matter. Approximately one-fifth of the class time is spent on laboratory work by students working individually. Students will learn to use the scientific method of critical thought processes to solve problems and analyze unsubstantiated statements. This course fulfills a physical science lab requirement for CSU/UC.*

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**ANATOMY AND PHYSIOLOGY OF**  **PLANTS AND ANIMALS** **CSU/UC "D"**

*See description under Career Technical Education*

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**AP BIOLOGY** **CSU/UC "D"**

**Grade Levels:** 11-12 **LIFE SCIENCE**

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Completion of Biology and Chemistry with a "C" or better.

*AP Biology is the study of universal molecules that determine cell structure and function, including respiration and photosynthesis. It also covers genetics in terms of how genes are passed on from one generation to the next and how those genes show up as physical characteristics. Through the study of ecology, this course will cover how all organisms (with all their genes inside all their cells) interact with each other at a global level. AP Biology includes topics regularly covered in a college biology course for biology majors. This course differs significantly from the regular college-prep biology course offered at Nevada Union with respect to the textbook used, the range and depth of topics covered, the intensity and depth of the laboratory exercises, and the time and energy required of each student. Additionally, students completing this course may earn college credits by taking and passing the College Board Advanced Placement test. The University of California recognizes this as an honors class and, therefore, adds one extra point in computing the G.P.A.*

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**HUMAN BIOLOGY HONORS** **CSU/UC "D"**

**Grade Levels:** 10-12 **LIFE SCIENCE**

**Prerequisites:** Biology and chemistry (May take concurrent) with a "C" or better.

*This is an introductory course in human anatomy and physiology geared toward students interested in medical, veterinary, nursing, dentistry and many other biological fields. This course includes a significant lab section that will cover animal dissections which help students understand the principals and concepts used in anatomy and physiology. This course covers five main areas: organization of the human body systems; principles of movement and support; control systems of the human body; and maintenance and homeostasis of the human body. This is a rigorous course based on student's previous success with biology and chemistry. It is the next step beyond these two college prep courses. The university of California recognizes this as an honors class (is approved) and, therefore, adds one extra grade point when calculating the GPA.*

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**AP CHEMISTRY** **CSU/UC "D"**

**Grade Levels:** 10-12 **PHYSICAL SCIENCE**

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Chemistry and Algebra 2 (may take concurrent) with a "C" or better and/or instructor's approval.

*This course closely resembles a college general chemistry course. In addition to the knowledge received in Chemistry 1, students will cover advanced topics and complete quantitative and qualitative laboratory studies. Additionally, students completing this course may earn college credits by taking and passing the College Board Advanced Placement test. The University of California recognizes this as an honors class and, therefore, adds one extra point in computing the G.P.A.*

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**AP ENVIRONMENTAL**  **CSU/UC "D"**

**Grade Level:** 10-12 **PHYSICAL or LIFE SCIENCE**

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Completion or concurrent enrollment in Chemistry.

*This course is a CSU/UC-approved Advanced Placement laboratory science. The course is designed to introduce students to the basic principles, concepts and techniques of Environmental Science. All students will have the opportunity to develop a foundation in science preparing them to study any type of science in college, in addition to understanding science and its instrumental role in society. Students in this course are required to participate in field studies concerning local air, water and soil surveys of the Sierra Nevada Foothills. Students have the opportunity to participate in field trips to local mining sites, waste management plants, national forest retreats, local organic farms, etc. This course fulfills a life or physical science requirement for the CSU/UC.*

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**AP PHYSICS 1** **CSU/UC “D”**

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**Grade Levels:** 11-12 PHYSICAL SCIENCE

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** Completion of Algebra 2

*AP Physics 1 is an algebra-based course that provides an introduction to measurement, motion and kinematics, forces, energy, momentum and inertia, rotational motion, gravitation, waves and oscillations, and simple electrical circuits. Emphasis is on inquiry lab investigations, problem-solving, critical thinking and scientific methodology. Students may earn college credits by taking and passing the College Board Advanced Placement test.*

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**AP PHYSICS 2** **CSU/UC “D”**

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**Grade Levels:** 11-12 PHYSICAL SCIENCE

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** AP Physics 1, concurrent enrollment in trigonometry recommended

*AP Physics 2 focuses on the big ideas in the second course of introductory, algebra-based physics. Through inquiry-based learning, students develop critical thinking, reasoning, and problem-solving skills in cultivating understanding of physics and science practices in the topics of thermodynamics, fluid statics and dynamics, electrostatics, DC circuits, magnetism, optics, and nuclear physics.*

## Social Studies

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**WORLD HISTORY** **CSU/UC “A”**

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**Grade Level:** 10

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** None

*Students in World History study major turning points of the modern world, 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 the 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. This course is a graduation requirement.*

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**AP WORLD HISTORY** **CSU/UC “A”**

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**Grade Level:** 10

**Prerequisites:** 3.5 G.P.A. is recommended. Students who plan on taking the course are responsible for picking up summer assignments from the instructor. **Once a student and parent commit to enrollment in any Honors course, the student is required to remain in the class for at least a semester.**

*This course offers an approach that lets students “do history” by guiding them through the steps a*

*historian would take in analyzing historical events and evidence worldwide. The course offers balanced global representing Africa, the Americas, Asia, and Europe. The University of California recognizes this as an honors class and adds one point when computing one’s G.P.A.*

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**U.S. HISTORY** **CSU/UC “A”**

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**Grade Level:** 11

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** None

*Students in U.S. History study the major turning points in 20th century American history. Following a review of the nation’s beginning and the impact of the Enlightenment on U.S. democratic ideals, students build upon the tenth grade study of global industrialization to understand the emergence and impact of new technology and a corporate economy, including the social and cultural effects. They trace the change in the ethnic composition of American society, the movement towards equal rights for racial minorities and women, and the role of the United States as a major world power. This is a graduation requirement.*

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**AP U.S. HISTORY** **CSU/UC “A”**

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**Grade Level:** 11

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** 3.5 G.P.A. is recommended. Students who plan on taking the course are responsible for picking up summer assignments from the instructor. **Once a student and parent commit to enrollment in any Honors course, the student is required to remain in the class for at least a semester.**

*This course includes an in-depth study of the history of the United States designed to challenge higher thinking students. Students will recognize significant events in U.S. History, demonstrate an understanding of the importance of geography and natural resources, and relate major characteristics and development of American political, governmental and legal systems. In the course of these studies, students will sharpen their abilities to analyze and interpret all of this information. The University of California recognizes this as an honors class and adds one point when computing one’s G.P.A.*

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**AMERICAN GOVERNMENT** **CSU/UC “A”**

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**Grade Level:** 12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** None

*The main purpose of American Government is to increase civic awareness and responsibility and the student’s ability to function as a responsible citizen. Topics to be covered are the U.S. Constitution; federal, state and local government; comparative world governments; and the Administration of Justice.*

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**AP AMERICAN GOVERNMENT** **CSU/UC “A”**

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**Grade Level:** 12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** 3.5 G.P.A. is recommended. Students who plan on taking the course are responsible for picking up summer assignments from the instructor. **Once a student and parent commit to enrollment in any Honors course, the student is required to remain in the class for at least a semester.**

*This course is designed to challenge higher thinking students with an in-depth study of the Constitutional underpinnings of American Government, the political behavior of citizens, political parties and interest groups, the institutions and policy processes of the national government, and the status and development of civil rights and civil liberties. The University of California recognizes this as an AP class and adds one point when computing one’s G.P.A. Students must be enrolled in American Government AP/Economics for the year in order to receive the inflated grade point average for American Government AP.*

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**ECONOMICS** **CSU/UC “G”**

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**Grade Level:** 12

**1 Semesters - Repetition for Credit:** None

**Prerequisites:** None

*This course will enable the student to understand basic principles of economics and economic systems. Units of study include comparative economic systems, micro and macro economics, international economic systems, personal economics, investment portfolios and career economics. This is a graduation requirement. Successful completion of this course is a graduation requirement.*

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**AP MACROECONOMICS** **CSU/UC “G”**

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**Grade Level:** 12

**1 Semester - Repetition for Credit:** None

**Prerequisites:** None

*The AP Macroeconomics course provides students with a thorough understanding of the principles of economics and how economists use those principles to examine aggregate economic behavior. Students learn how the measures of economic performance, such as gross domestic product (GDP), inflation, and unemployment are constructed, and how to apply them to evaluate the macroeconomic conditions of an economy. The course recognizes the global nature of economics and provides ample opportunities to examine the impact of international trade and finance on national economies. Various economic schools of thought are introduced as students consider solutions to economic problems.*

# Special Education

Special Education programs are designed to provide a special environment or assistance to students with diagnosed disabilities. Examples of some of the disabilities which can be accommodated through Special Education services are learning disabilities, speech and language disorders, visual and hearing impairments, physical disabilities, and emotional disorders. The general goal is to help students acquire the skills necessary to be successful in school, employment and the community. Eligible students participate in the mainstream education program to the maximum extent possible, with special education classes and supports provided, as necessary for success. Traditional and special education teachers work together to achieve this goal for students. Various models of collaboration are used to support individuals in regular education classes. Eligible students may enroll in special education classes to receive direct instruction in core academic areas and/or to receive support for regular education classes. Requests to determine eligibility for special education services should be made to your student's counselor.

# Visual Arts

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## INTRODUCTION TO CERAMICS CSU/UC "F"

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**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** None

*This course will introduce the student to ceramic techniques and materials. Major emphasis will be on projects dealing with various aspects of technical proficiency. Meets fine art requirement for CSU/UC.*

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## ADVANCED CERAMICS CSU/UC "F"

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**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** 2

**Prerequisites:** Intermediate Ceramics

*Students complete independent work under the supervision of the instructor using individually designed projects. Emphasis will be on the development of a unique style of work. Meets fine art requirement for CSU/UC.*

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## INTRO TO DESIGN CSU/UC "F"

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*See description under Design & Engineering Pathway*

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## DRAWING & PAINTING A CSU/UC "F"

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**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** None

*This is a basic course designed to give students a broad experience of art. That experience is based on a combination of academic study of theory and history with the hands-on experience of making art work in drawing, painting and 3-dimensional design.*

*Students will produce finished drawings and paintings, work in small groups and work independently; and maintain a detailed notebook. Meets the graduation fine art requirement for the CSU/UC.*

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## ADVANCED DRAWING & PAINTING WORKSHOP C CSU/UC "F"

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**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** 2

**Prerequisites:** Any 2 semesters above or permission of the instructor.

*This course is designed to meet the needs of students who want to pursue the making of art as a disciplined activity. In this course, the academic study is relatively minor because the emphasis is on the process of making an art piece in drawing, painting and 3-dimensional design.*

*Students will produce finished drawings and paintings, pass objective quizzes, work in small groups, and work independently, and must attend at least one art college presentation. This course meets the fine art requirement for the CSU/UC.*

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## FLORAL DESIGN CSU/UC "F"

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**Grade Level:** 10-11

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** None

*This course involves the fundamentals of floral design theory, techniques and skills currently practiced in the floral design industry, including wedding, sympathy, party, holiday and themed floral designs. Subjects will include applied art principles, floral and art history, cut flower care, handling practices, proper and safe use of florist tools and materials, pricing of floral products, and use of current floral business technology. Course instruction also includes construction of corsages, floral arrangements, foliage plant items, introductory ornamental horticulture, identification of plants and flowers, professional industry organizations, and career opportunities. Construction and servicing of special events, parties, and holiday floral displays are included in this course. In addition, the inter-curricular FFA program supports and enhances the materials covered in the classroom. This includes involvement in FFA activities, planning of agriculture based projects, and keeping accurate records. This course is hands-on and will allow students to design and create a variety of floral arrangements throughout the course.*

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## INTRODUCTION TO PHOTOGRAPHY CSU/UC "F"

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**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** None

*Introduction to Photography stresses an integration of academic knowledge and practical learning through the making and viewing of photographs. The major objective will be to probe the "miraculous ritual" of photographic processes. Through demonstrations and hands-on projects students will learn the fundamentals of digital and darkroom photography, the elements and principles of photographic design and receive an introduction to aesthetics and digital media. This course meets the fine art requirement for the CSU/UC.*

**Note: Students will be requested to purchase materials.** *Students should have access to a camera. The school provides a few to borrow.*

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## ADVANCED PHOTOGRAPHY CSU/UC "F"

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**Grade Levels:** 11-12

**2 Semesters - Repetition for Credit:** 2

**Prerequisites:** 1 year of Intermediate Photography

*This is an advanced program intended to lead to a professional approach to photography. Students will continue to develop and build upon the skills of individual perception and develop a fuller awareness of light, color and composition through the experience of photography. The primary goal of Advanced Photography will be to help the student develop an individual style and vision, and learn how students may give form to their vision. Assignments and activities will lead the student to discovering the interrelationship of the arts. Students are encouraged to produce work for sale and exhibit and enter contests and competitions. **Note: Students will be requested to purchase materials.** Students should have access to a camera. The school provides a few to borrow. This meets the graduation fine art requirement and the fine art requirement for the CSU/UC.*

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## THEATRE ARTS: SET DESIGN CSU/UC "F"

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**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** 3

*This is a one year course which engages the student in the development of the arts required to develop competency in the design and painting of sets for theatre, film and architectural application. This course of study will prepare students to execute both large and small scale environmental designs which are an integral part of theatrical set painting, special film effects and interior design. The core component of this class parallels the California Arts Framework and will meet the graduation fine art requirement. Meets the graduation fine art requirement for the CSU/UC.*

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**TECH THEATRE** **Grade Levels:** 9-12**2 Semesters - Repetition for Credit:** 3**Prerequisites:** Requires Instructor Approval

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**VIDEO PRODUCTION** **CSU/UC "F"****Grade Levels:** 9-12**2 Semesters - Repetition for Credit:** YES

*In Video Production we study the fundamentals of audio and video capture for recording or live streaming. Students will work multiple events as camera operators, switchers, social media directors, as well as creating motion graphics and ads for sponsors. This course covers camera and tripod operation, video recording, conversion and streaming, interview techniques, and documentary filmmaking.*

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# World Languages

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**GERMAN 1****CSU/UC "E"****Grade Levels:** 9-12**2 Semesters - Repetition for Credit:** None

*In our increasingly global economy, knowledge of a language other than English is a major asset in both travel and the workforce. This course is intended to introduce students to the basic German vocabulary and grammar. By the end of the year, students will be able to describe their school and families, discuss their leisure interests and personal routines, and share information about food and restaurants.*

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**GERMAN 2****CSU/UC "E"****Grade Levels:** 10-12**2 Semesters - Repetition for Credit:** None**Prerequisites:** C or better in German 1

*The students review and expand their knowledge of grammar, listening, speaking and reading skills acquired in German 1. The content commonly includes, among other topics, vocabulary and functions concerning meals, lodging, transportation and leisure activities. In grammar, students review past and present tenses and respond to other grammatical signals. The content builds upon German 1 and expands the functions that the students are able to carry out, increasing their awareness of the culture.*

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**GERMAN 3****CSU/UC "E"****Grade Levels:** 11-12**2 Semesters - Repetition for Credit:** None**Prerequisites:** C or better in German 2

*Building on the foundation of German I and 2, students will increase their German communication skills and cultural knowledge of German speaking countries. Students will be introduced to advanced grammar topics, including das Praeteritum, da/wo-Woerter, Passiv, Konjunktiv II, and the use of lassen. Students will read traditional German fairy tales from the Brothers Grimm to learn about culture, history and the narrative past tense. Students will also enjoy a 17 week cultural unit in which they will learn about Germany's 16 states, their capitals and major cities, and their geographical and historical features. Emphasis will be placed on speaking almost entirely in German every day.*

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**SPANISH 1****CSU/UC "E"****Grade Levels:** 9-12**2 Semesters - Repetition for Credit:** None**Prerequisites:** None

*Students begin work on the four skills required for learning a foreign language: listening, speaking, reading and writing. They will understand and produce memorized phrases and sequences in oral and written form, develop the four skills to meet survival needs in the classroom, react in a limited fashion in social situations, understand and answer in one sentence in oral and written form, and respond with some spontaneity to an oral question or situation. The content commonly includes: greetings, descriptions, sports, school, hobbies, time, weather, feelings and family relations. The Spanish culture is also taught. This course requires much memorization and daily preparation.*

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**SPANISH 2****CSU/UC "E"****Grade Levels:** 10-12**2 Semesters - Repetition for Credit:** None**Prerequisites:** C or better in Spanish 1

*Students review skills acquired in Spanish 1 and expand their knowledge of grammar, listening, speaking and reading. The content commonly includes, among other topics, vocabulary and functions concerning meals, lodging, transportation and leisure activities. In grammar, students review present tense, learn the preterit and imperfect tenses, and respond to other grammatical signals. The content builds upon Spanish 1, expands the functions that students are able to carry out, and increases their awareness of the culture. Strong study skills required.*

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**SPANISH 3****CSU/UC "E"****Grade Levels:** 11-12**2 Semesters - Repetition for Credit:** None**Prerequisites:** C or better in Spanish 2

*A special emphasis is placed on the development of oral proficiency and the mastery of grammar, vocabulary, and the further improvement of reading skills. This course refines oral communications, reading and writing through oral presentations, the reading of current print materials and other forms of literature and the writing of compositions, presentations, book reports and other expository forms.*

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**SPANISH 3H****CSU/UC "E"****Grade Levels:** 11-12**2 Semesters - Repetition for Credit:** None**Prerequisites:** C or better in Spanish 2

*Spanish 3H offers an intensive, fast-paced course for the high-achieving student. The University of California recognizes this as an honors class and adds an extra point in computing one's G.P.A. A special emphasis is placed on the development of speaking, reading and writing through oral presentations, reading of authentic materials and writing of compositions in the target language.*

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**SPANISH 4****CSU/UC "E"****Grade Levels:** 11-12**2 Semesters - Repetition for Credit:** None**Prerequisites:** C or better in Spanish 3

*Spanish 4 is an in-depth review of grammar through lectures, teacher generated work sheets, conversations, literature and compositions. An immersion in spoken Spanish in the classroom leads to an advanced level of proficiency. Students discuss, debate, provide and elicit information, memorize long passages, and create language rather than depend on formulaic speech. There is a greater understanding of the culture through the advanced work that is done in this course.*

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**AP SPANISH 4****CSU/UC "E"****Grade Levels:** 11-12**2 Semesters - Repetition for Credit:** None**Prerequisites:** C or better in Spanish 3

*Advanced Placement Spanish 4 emphasizes an in-depth study of grammar, intensive oral and listening comprehension practice, extensive reading of authentic Spanish language materials and writing composition. The class is taught entirely in Spanish. The main emphasis of this course is preparation for the Spanish Advanced Placement Test. The University of California at the CSU/UC systems add an extra point in computing a student's GPA.*

# Elective Courses

## STUDENT LEADERSHIP

**Grade Levels:** 9-10

**2 Semesters - Repetition for Credit:** 1

**Prerequisites:** Teacher approval.

*Student leadership class is designed to teach all aspects of leadership. Students will successfully learn communication skills, personal organization, stress management skills, group development, project planning, self-awareness, personal growth, and human relations skills, including diversity awareness, community service, and anti-bullying awareness. Production in this class also includes the implementation of student activities: student recognition programs, dances, election process, assemblies, fund raising, cultural diversity programs, homecoming events, noontime activities, community service and public speaking. Implementation of these activities will provide "credit" towards community service hours and "extra duty" time required for this class.*

## ADVANCED LEADERSHIP

**Grade Levels:** 11-12

**2 Semesters - Repetition for Credit:** 1

**Prerequisites:** Teacher approval. Leadership or Link Crew Training and participants will be selected through an application and interview process.

*Advanced Leadership is a class for juniors and seniors who are devoted to improving themselves and their school, and want to actively seek ways to improve the culture and climate of Nevada Union. Participants will be trained in team building, cooperative skill development, and discussion skills. They become leaders, motivators, role models and upperclassmen. While creating a sense of comfort for incoming students, the advanced leadership students also address the attitudes of upperclassmen toward schoolmates and the school in support of the spirit of a Miner.*

## BEGINNING & ADVANCED PSYCHOLOGY CSU/UC "G"

**Grade Levels:** 10-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** None

*This course is an introduction to basic psychological concepts with the intent to help the student better understand himself/herself and others. In addition to increasing critical thinking skills and communication skills, students will learn to understand and appreciate their value systems and those of others. This course is an approved college preparatory elective.*

## AP PSYCHOLOGY

**CSU/UC "G"**

**Grade Levels:** 11-12

**2 Semesters - Repetition for Credit:** None

**Prerequisites:** 3.5 G.P.A. is recommended. In addition, a teacher recommendation may be used by the instructor if appropriate. Should summer reading and assignments not be completed, the student's grade may reflect a zero for the assignment. Students who plan on taking the course are responsible for picking up summer assignments from the instructor. **Once a student and parent commit to enrollment in any Honors course, the student is required to remain in the class for at least a semester.**

*The purpose of the Advanced Placement course in Psychology is to introduce students to the systematic and scientific study of the behavior and mental process 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. The goal of AP Psychology is to provide qualified students who wish to complete studies in high school equivalent to an introductory college course of Psychology. The five content domain areas are Methods, Cognitive, Biophysical, Developmental, and Social-Emotional.*

## COMPETITIVE DEBATE

**(National Forensics League)**

**CSU/UC "G"**

**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** 3

**Prerequisites:** B in a previous English class or teacher recommendation.

*This course is designed for students interested in testing their speaking skills in the National Forensics League. Special emphasis is given to the Oxford and Public Forum debate formats where students test their analytical skills of reasoning, research and persuasion, competing against other teams throughout California and the rest of the nation. This course is on the list of approved college preparatory English electives, approved by the CSU/UC systems.*

## AP COMPUTER SCIENCE PRINCIPLES

*See description under Mathematics*

# Non-Departmental

## ACADEMIC LITERACY

**Grade Levels:** 9-12

**2 Semesters - Repetition for Credit:** 3

**Prerequisites:** Placement based on standardized scores or teacher's recommendation.

*This course is designed to help students improve their skills in comprehension, vocabulary, and reading for information and pleasure. Test results assessing the individual strengths and weaknesses combined with student background and interests will be employed in a diagnostic/prescriptive approach to reading improvement. Student placement in this class is based on teacher referrals, previous performance in English courses, and test scores. Academic Literacy does not count towards the English requirement for graduation.*

## OPEN PERIOD

**Grade Levels:** 12

*An open period is available to any senior who is involved in a curricular or extra-curricular activity such as work or Sierra College, and will still meet the minimum graduation requirements (see open period contract for board policy approved activities).*

## PEER TUTORING

**Grade Levels:** 11-12

**2 Semesters - Repetition for Credit:** 1

**Prerequisites:** Minimum of 2.5 GPA in curricular area. Recommendation of the student's counselor.

*Once Peer Tutors have received their training, peer tutors will be expected to provide one-on-one and small group assistance in a specific area of the curriculum. The majority of time each week will be spent on these types of activities. Students receive a letter grade. Contract mandatory.*

## SCHOOL SERVICE

**Grade Levels:** 11-12

**2 Semesters - Repetition for Credit:** 1

**Prerequisites:** None

**Grade:** Pass /Fail

*Students work in various jobs around the school (cafeteria, janitorial, teacher's assistant). Students receive a pass/fail grade and must have instructor's permission. Contract mandatory.*

**Nevada Union High School**

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