

# Course Catalog

## **NORTHRIDGE HIGH SCHOOL**

2021-2022



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# ***NORTHRIDGE HIGH SCHOOL***

## LETTER FROM THE PRINCIPAL:

Dear Knights,

Welcome to Northridge High School! Our school serves a wide geographic area including Hill Air Force Base, South Weber, and parts of Layton, Sunset, and Clinton. Students coming from so many wonderful communities makes us the great Ridge City!



Our mission is **LEARNING FIRST**. Our school has a wide variety of course offerings that prepare our students to be college and career ready. Northridge High School offers 43 Concurrent Enrollment courses as well as 23 Advanced Placement and Honors classes.

NHS offers opportunities for students to complete CTE Career Pathways. Pathway participation and completion includes skills training which leads students to additional educational and career opportunities. Programs and courses include Health Sciences, Consumer Science, Culinary Arts, Child Development, Business, Marketing, Automotive, Information Technology and Engineering.

Northridge High has over 17 UHSAA sanctioned activities and sports teams. We also offer many clubs and Career and Technical Students Organizations (CTSO). Our six CTOS are key components to strong Career and Technical Education programs. FBLA (Future Business Leaders of America), FCCLA (Family Career and Community Leaders of America), HOSA (Future Health Professionals), Skills USA (Skilled and Technical Sciences), TSA (Technology Student Association) DECA (Marketing) are where a student's career and educational interests combine with leadership development, community service, and competition.

The faculty and staff of Ridge City will offer you a world-class education and opportunities—we want you to take full advantage of all that Northridge offers.

Brian Hunt  
Principal



# GRADUATION REQUIREMENTS

## ACADEMIC GRADUATION REQUIREMENT

27 Credits Required – Grades 9-12

Language Arts – 4 credits, one each year; no substitutes

Mathematics – 3 credits

Science – 3 credits

Social Studies – 2.5 credits

US Government & Citizenship – 0.5 credit

\*Must Pass the Citizenship Test

Health Education – 0.5 credit

Physical Education – 1.0 credit

Fit for Life – 0.5 credit

Fine Arts – 1.5 credits

Digital Studies – 0.5 credit

General Financial Literacy – 0.5 credit

Career and Technical Education – 1 credit

Electives – 8.5 credits

The selection of the 8.5 elective credits needed for graduation should be driven by a student's plan for College and Career Readiness (CCR). Seniors must have at least one core class each semester in addition to English.

## CITIZENSHIP GRADUATION REQUIREMENT

35 Citizenship Credits Required – Grades 9-12

Graduation requirements in Davis School District include satisfactory citizenship and adherence to the rules and policies of the school. Failure to earn the required citizenship credits shall result in withholding the diploma and the student will not be able to walk with the class at the graduation ceremony.

Students begin in the 9<sup>th</sup> grade with 35 citizenship credits. If a student earns a "U" citizenship grade, .25 credits is deducted from the total. All unsatisfactory citizenship grades (U's) must be made up prior to graduation. For more information, please contact the school Citizenship Coordinator or a member of the administration.

## STUDENT COURSE REQUEST and SCHEDULE CHANGES

It is a Northridge High School policy that students request specific courses, not specific teachers or class periods. Class assignments may be changed by Northridge to meet school needs, to level class sizes, or when teaching assignments change.

Students and/or parents wishing to make schedule changes should consider the following information:

- Appointments will be made available to accommodate schedule changes.
- There is a \$10 charge and any changes made will be based on availability in the classes.



Students needing an ADA accommodation, please contact Scott Zigich at szigich@dsdmail.net or by phone at 801-402-5307. We will make every attempt to provide reasonable accommodations.

# CAREER AND TECHNICAL EDUCATION

Graduation Requirement: 1.0 credits

## BUSINESS & MARKETING

### Accounting 1 and Accounting 2 (7501/7502) Year (11-12)

Accounting is the Foundation of all Business Careers! Don't depend on someone else to count the money you will make in the future. Know how to do it yourself! Students will develop understanding of the basic elements and concepts of double-entry accounting. Students are prepared for employment in entry-level accounting jobs and further education endeavors. Future Business Leaders of America (FBLA) membership is encouraged. Course fee \$10.00 per semester.

### Advanced Accounting (7504) Year (11-12)

In this college prep accounting course, you will learn traditional college-level financial accounting concepts integrated with managerial accounting concepts. Students will first gain an understanding of how businesses plan for and evaluate operating, financing, and investing decisions, then learn how accounting systems gather and provide data to internal and external decision makers. This course includes financial accounting, managerial accounting, and financial statement analysis topics. FBLA Membership is encouraged.

### Customer Service CE (7532) Semester (11-12)

Students will learn the skills needed to make sure you can live the theory that "The Customer is Always Right" and smile about it! This course is to help develop customer satisfaction and loyalty skills, attitudes and thinking patterns. Students will learn and refine tasks necessary for success in the service industry. Develop service strategies. Refine service skills. Gain experience to calmly aid customers. Prepare for job opportunities and success in the service industry as well as further education opportunities. WSU – Concurrent Enrollment fees apply. DECA/FBLA membership is encouraged.

### Digital Business Applications (7535) Semester (10-12) (Also counts as Digital Studies)

Mail? Forget it. TV commercials? Meet the DVR. Email? Old school. It's all about Instagram, Facebook, Pinterest, Twitter, QR codes, and apps. Develop the skills to use these tools to solve business problems and develop marketing opportunities. Increase brand loyalty and sales. Assess which social media platform best reaches the customers of your product/business. Prepare for immediate employment, further education, and the acquired skills that allow you to work from your home, your phone, or wherever you want. Course fee: \$5.00. DECA/FBLA membership is encouraged.

### Business Office Specialist CE (7530) Semester (10-12) (Also counts as Digital Studies)

Learn and practice skills using Microsoft Office preparatory for Industry Certification Microsoft Word, Excel, PowerPoint, Word Expert MOS tests will be offered at no charge. Develop the ability to use a variety of applications effectively. Assess issues with use of technology in a variety of situations. Apply skills to create and edit professional looking documents. Prepare to successfully move into career related positions, develops skills needed for post-high school education report writing and data manipulation, along with good consumer related technology background for buying, using, and maintaining currently available technologies. DECA/FBLA/TSA membership is encouraged and provides students with relevant business experience. Lab Fee: \$5.00. WSU Concurrent Enrollment available for students-additional coursework required for those earning college credit. WSU fees for credit apply for CE students.

## **Entrepreneurship CE (7542) Semester (11-12)**

Interested in becoming your own boss? Do you want to become the next Mark Zuckerberg or Bill Gates? Then this is the class for you. Develop an opportunity to make money and become your own boss. Create demand for your idea/product. Assess business opportunities to determine their value. Prepared for immediate income, further educations, and skills to build your own business and become the rich relative you wish you had. Marketing 1 and 2 are suggested to be taken before this class. WSU Concurrent Enrollment fees apply. Lab Fee: \$5.00. DECA/FBLA membership is encouraged.

## **Hospitality and Tourism (7550) Semester (10-12)**

Is traveling to exotic locations on your bucket list? You are about to embark on an adventure, a journey that will take you through Utah, across the United States and to remote corners of the world. The journey will not cost you any money. You won't use the normal methods of transportation. Instead, the journey will be an adventure of the mind as you take this course and explore the exciting world of travel and tourism. Create a vacation package. Create and present a sales presentation for the vacation package. Create a media or advertisement displaying Utah as a tourist destination. Prepare for hospitality and tourism internship programs, entry level employment, and further education. DECA/FBLA membership is encouraged.

## **Business Management CE (7525) Semester (11-12)**

This course seeks to develop sound management concepts within students, as management plays a role in any future employment opportunity. Students are able to analyze and evaluate data from the other functional areas of business (marketing, finance, and production). Effective management requires decision-making abilities, long-range planning knowledge,

human relations, and motivational skills. Students learn the four basic functions of management: planning, organizing, directing, and controlling.

## **Marketing 1 (7560) Semester (10-12)**

Learn the art of 'closing the deal.' This introductory course emphasizes marketing concepts and competencies. Develop the ability to convince others to give you money. Design a product to market. Apply the art of 'closing the deal. Prepare for immediate employment, further education, and the flexibility to compete for jobs around the world. Course fee: \$5.00. DECA/FBLA membership is encouraged. DECA/FBLA membership is encouraged.

## **Marketing 2 CE (7561) Semester (11-12)**

Experience what it is like to work as a Marketing Executive. Project-based activities are used to develop and demonstrate 'real-world' marketing skills. Create an Ad Campaign for a real company. Develop and demonstrate management level marketing skills. Troubleshoot a real business or organization utilizing S.W.O.T. analysis. Prepare for immediate income, further educations, and marketable skills/experience to enhance your earning potential. WSU Concurrent Enrollment fees apply. Lab Fee: \$5.00 DECA/FBLA membership is encouraged.

## **Retailing CE (7565) Semester (10-12)**

This course will prepare the student to operate businesses that sell, rent, or lease goods and services. This course will provide insight into the theory and application and customer service activities necessary for successful retail operations. Students will have the opportunity of helping manage and run the student store. WSU Concurrent Enrollment fees apply.

## FAMILY AND CONSUMER SCIENCES

### Adult Roles & Financial Literacy CE (7452) Year (12)

(Also counts as 0.5 Financial Literacy)

This course prepares students to understand the nature, function, and significance of human relationships involving individuals and families integrated with general financial literacy. Students will develop skills for self-awareness, decision making, career preparation, communication, dating, marriage, parenting, and money management. This course will prepare you for your future as an adult. The Adult Roles and Financial Literacy (ARFL) 1.0 credit course will fulfill the .5 credit General Financial Literacy (GFL) Graduation requirement with the remaining .5 credit counting as CTE or elective credit. WSU Concurrent Enrollment fees and textbook purchase apply (CHF 2400). Course Fee: \$10.00. FCCLA membership is encouraged.

### Child Development (7410) Semester (10-12)

Provides students with a better understanding of children and the responsibilities of a parent/caregiver. Content covers children's physical, mental, emotional and social growth and development from conception through preschool years. At the end of this course students will be qualified to take Early Childhood Education courses. Course Fee: \$10.00. FCCLA membership is encouraged.

### Early Childhood Education 1 (7412) Semester (10-12)

This course prepares students for child-related careers and/or more extensive parenting skills, as well as instruction in preparing them to work in the childcare center. Instruction is given regarding curriculum design for young children and creating developmentally appropriate practices (DAP) within a childcare setting. Emphasis on creating curriculum for young children will be on the different learning centers found in a childcare center. Observation techniques in working with young children will be included. Within this class, students will be working on the National CDA (Child Development Associates) license which will be a great asset to any career related to working with children. Prerequisite: Child Development. Course Fee: \$10.00. FCCLA Membership is encouraged. WSU

### Early Childhood Education 2 (7413) Semester (10-12)

Students apply the skills acquired in Child Development and Early Childhood Education 1 to work with children in a lab setting. Students receive additional instruction on program planning and management, resource and facility management, peer mentoring, supervising recreational and play activities, and preparing, implementing and evaluating learning experiences for children as they work on completing the National CDA (Child Development Associates) license. Prerequisite: Child Development, ECE 1. Course Fee: \$10.00. FCCLA membership is encouraged.

### Early Childhood Education 3 (CHILD CARE CENTER) (7415) Semester (11-12)

The primary focus of this class is to complete steps to apply for the Child Development Associate (CDA) credential through hands-on, on-site early child development experiences. This course prepares individuals for careers and entrepreneurial opportunities in early childhood education. Experiences include program planning and management, resource and facility management, peer mentoring, supervising recreational and play activities, and preparing, implementing and evaluating learning experiences for children. Completion and documentation of this career pathway can directly support students in completing the Child development Associates (CDA) credential. This class may be repeated as students work to complete their CDA requirements. Prerequisite: Child Development, ECE 1, & ECE 2. FCCLA membership is encouraged.



## **Human Development CE (7417) Semester (11-12)**

Experience the physical, cognitive, and psychosocial development of individuals from conception through death. Current issues in research associated with these topics will also be examined. Through reading, discussing, listening, testing, observing, and experiencing, the processes of growth and development will become more meaningful as they pertain to the students' personal development, as well as, to those around him/her (young and old alike). This course is a prerequisite and is required for all students pursuing a degree in Education, Early Childhood Education, Social Work, and Nursing or Premed. WSU Concurrent Enrollment fees and textbook purchase apply (CHF 1500). Course Fee: \$5.00. FCCLA membership is encouraged.

## **Food and Nutrition 1 (7460) Semester (10-12)**

This course is designed for students who are interested in understanding the principles of nutrition and maintaining a healthy lifestyle. Attention will be given to the selection and preparation of food for personal health. Food Lab experiences will include the food groups from myplate.gov as well as the six basic nutrients. Students will have the opportunity to obtain a food handler's permit. Course Fee: \$30.00. FCCLA membership is encouraged.

## **Food and Nutrition 2 (7461) Semester (10-12)**

This course is designed for students who are interested in understanding the principles of food preparation, safety, sanitation, management and consumerism used in the home and the food industry. Topics covered include meats, yeast breads, pies, soups, salads, nutrition through the life cycle, and consumerism. Prerequisite: Food and Nutrition 1. Course Fee: \$30.00. FCCLA membership is encouraged.

## **Culinary 1 (7468) Year (10-12)**

Students will be trained for career opportunities in the food service/culinary arts industry. Students will have the opportunity to learn and practice safety and sanitation procedures, and to use and maintain commercial food service equipment. They will perform quantity food preparation as it relates to catering, bakery, restaurant, hospitality, and fast-food business operations. This course will strengthen comprehension of concepts and standards outlined Science, Technology, Engineering, and Math education. It is recommended that Food and Nutrition

1 and/or Food and Nutrition 2 be taken before this course. Course Fee: \$30.00. FCCLA Membership is encouraged.

## **Culinary 2 Baking and Pastry (7467) (11-12)**

Students will gain experience with baking terminology, equipment, formula conversions, and practice methods for creating yeast breads, pastries, fillings, cakes, and cookie production. Students will also have the opportunity to practice industry workplace skills, food safety and understand the opportunities for careers within the baking and pastry industry. Prerequisite: Culinary 1 and Culinary 2 or ProStart 1 and ProStart 2. Chef coat and hat are required (approximate cost \$30.00) and a Food Handler's Permit which can be obtained from the Health Department (approximate cost \$25.00). Course Fee: \$30.00. FCCLA Membership is encouraged.

## **Foundations of Nutrition CE (7463) Semester (11-12)**

In this course foundational concepts of nutrition will be taught at an accelerated pace and level. Students will expand their understanding of science, as well as focus on personal dietary principles and life-long health and well-being in the modern environment. WSU Concurrent Enrollment fees and textbook purchase apply (NUTR 1020). Course Fee: \$3.00. FCCLA membership is encouraged.

## **Interior Design 1 (7445) Semester (10-12)**

This course enables students to explore their creativity in the field of interior design. Identification of the elements and principles of design are emphasized. Other topics included are floor plans, furniture arrangement, and kitchen design. Course Fee: \$15.00. FCCLA membership is encouraged.



## CE Interior Design (7449) Semester (10-12)

This course provides students the opportunity to develop skills in applying the elements and principles of design to interiors. Projects are integrated throughout the course to provide applications as the student's study: architecture, furniture styles and constructions, textiles, surface treatments and backgrounds, design and function of space and lighting. WSU Concurrent Enrollment fees apply (IDT 1010). Course Fee: \$15.00. FCCLA membership is encouraged.

## Fashion Design Studio CE (7440) Semester (10 – 12)

Do you love looking at the latest fashion designs? Do you enjoy picking out different styles? You might want to consider a career in the Fashion world! Fashion Strategies provides instruction in the following areas related to fashion: the development of fashion, clothing design, textiles, fashion promotion, couture designers and career opportunities. WSU Concurrent Enrollment fees apply (PS 1503). Course Fee: \$10.00. FCCLA membership is encouraged.

## HEALTH SCIENCES

### Introduction to Health Science (7308) Year (10-12)

*.50 Health & .50 CTE*

This course is designed to create an awareness of educational and career options in health science and health technology programs. Instruction includes basic anatomy and physiology, medical terminology, medical ethics, and diseases & disorders associated with human body systems. This course is highly recommended and will prepare students for the medical anatomy and physiology course (MAP) and/or for a variety of health technology programs. Students in a Health Science Pathway are encouraged to take this course as a sophomore. Highly recommended as a prerequisite class for Medical Anatomy & Physiology. Utah Skills Certification is available. Class fee: \$20.

### CE Biotechnology (7301) Year (12) *Can count as 3<sup>rd</sup> year Science*

This is a course designed to introduce students to lab protocols, lab equipment, good manufacturing practice (GMP), and technologies that support bioscience lab research and practice. Students are also introduced to career possibilities in the fields of biotechnology. Students will learn how to operate lab equipment and interpret the results of PCR, electrophoresis, lab cultures, and more. This is an up-and-coming field where all the new inventions are coming to better our lives! Testing for COVID-19 is

done with PCR and with technologies developed with biotechnology. This class is a major part of the Medical Innovations Pathway. Industry certificate upon completion and successfully completing an industry test. Industry partners are hiring students right out of high school at \$18-\$25/hour! Industry partners offer tuition reimbursement to employees. Come be part of the future! Recommended but not required: CTE Intro. to Health Science and CE/CTE Medical Anatomy & Physiology completed or concurrently. UVU 3 credits. UVU Concurrent Enrollment admission \$30 and tuition \$15 paid to UVU. Lab fee is \$120 paid to Northridge.

### CE Medical Anatomy & Physiology (7309) Year-daily (11-12) *Can count as a 3<sup>rd</sup> year Science*

This course provides a review of health technology and medical fields with opportunities for career exploration in a variety of medical and health care professions. Curriculum includes a detailed study of anatomy, physiology, medical terminology, and pathophysiology. WSU credit is awarded in Medical Terminology (HTHS 1101) and Case Studies (HTHS 1120). Highly recommended prerequisite class: Introduction to Health Science. Utah Skills Certification for Anatomy & Physiology and Medical Terminology available. Class fee: \$60. WSU Concurrent

Enrollment fees and tuition apply (including textbooks) – approx. \$200.

### **Medical Forensics 1** (7313) Year (10-12) *Can count as 3rd year Science*

This course is designed as an introduction to medical forensics. The focus is on introductory skills and assessment in order to develop the ability to identify, analyze, and process logically using deductive reasoning and problem solving. Medical forensics involves many aspects of health science instruction including laboratory skills & safety, microscopy, measurement, physical evidence identification, anthropology, firearms and ballistics, trace evidence analysis – including fingerprint analysis, crime scene analysis, and career exploration. Industry certification upon successful completion of Medical Forensics 2 passing the CTE certification test. Recommended: CTE Intro to Health Science and CE/CTE Medical Anatomy & Physiology completed or concurrently. Class fee \$30.

### **Medical Forensics 2** (7314) Year (10-12) *Can count as 3rd year Science*

This course is designed as a continuation of Medical Forensics 1. The focus is on skills and assessment in order to develop the ability to identify, analyze, and process logically using deductive reasoning and problem solving. Medical forensics involves many aspects of health science instruction including laboratory skills & safety, microscopy, toxicology, measurement, physical evidence identification, pathology, anthropology, entomology, blood splatter analysis, autopsy analysis, and career exploration. Industry certification upon successful completion of Medical Forensics 1 & 2 and passing the CTE certification test. Pre-requisite: Completion of CTE Medical Forensics 1. Recommended: CTE Intro to Health Science and CE/CTE Medical Anatomy & Physiology completed or concurrently. Class fee \$30.

### **CE/CTE Exercise Science/Sports Medicine (7305)**

Year (12)

This course is designed to teach students components of exercise science/sports medicine; including exploration of therapeutic careers, medical terminology, anatomy and physiology, injury prevention principles, the healing process, rehabilitation technique, therapeutic modalities, sports nutrition, sport psychology and performance enhancement philosophies. Highly recommended prerequisite class: Introduction to Health Science or Anatomy & Physiology. Utah Skills Certification available & WSU 3 credits. Class fee \$45. WSU Concurrent Enrollment fees and tuition apply – approx. \$45.

### **CE/CTE Emergency Medical Response (7303)**

Semester (11-12)

The purpose of the American Red Cross Emergency Medical Response program is to train participants in the knowledge and skills of an emergency medical responder (EMR) to help sustain life, reduce pain and minimize the consequences of injury or sudden illness until more advanced medical personnel take over. Ideal for corporate emergency response teams, law enforcement, security officers, or students wishing to begin a career in public safety or healthcare upon graduation, this course is designed to meet or exceed National Emergency Medical Services Education Standards Emergency Medical Responder Instructional Guidelines. Class fee approx. \$70 covers curriculum materials and American Red Cross Certification Certificate. WSU 3 credits. WSU Concurrent Enrollment fees and tuition apply – approx. \$45.00.

### **CTE Nurse Assistant (7319) Semester- daily (11-12)**

This course is designed to teach students to provide hands-on care for the sick and elderly. Skills taught include personal care, basic nursing care, and rehabilitation/restorative services. Students will also learn how to care for

cognitively impaired residents and work with mental health issues. This course has a very strict attendance policy that is mandated by the Utah Nursing Assistant Registry. Students can only miss approx. 7 class periods per semester. Students are also required to attend 24 clinical hours at assisted living and long-term care facilities in our community and surrounding area. Transportation to and from clinicals is the student's responsibility. After successful

completion of the course and certification, students can participate in internships and can be employed with hospitals, long-term care facilities, assisted living facilities, medical clinics, rehabilitation centers, home health, and hospices companies. Prerequisite: must be aged 16 or older by the first day of class. . Class fee \$30 & Utah State certification testing fees - approx. \$85.

## INFORMATION TECHNOLOGY/COMPUTER SCIENCE

### 3D Graphics (7702) Semester (10-12)

3D Graphics is a semester course. Students will use 3D graphics software to produce 3D models. This course will introduce students to 2D and 3D modeling, the creation and application of textures, mapping, lighting, camera techniques, and rendering of 3D models. Students will explore the use and features of drawing tablets in addition to using a mouse. This class uses Autodesk Maya and Mudbox for 3D development as well as Adobe Photoshop. DECA/FBLA/TSA membership is encouraged. Class fee \$5.00.

### AP Computer Science (7713) Year (11-12) *Also counts as Digital Studies*

AP Computer Science introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing, so all students understand how these concepts are transforming the world we live in. Course fee: \$10.00

### Computer Programming 1 (7734) Year (10-12) *Also counts as Digital Studies or Math III*

This is a beginning through intermediate course in computer programming. This course introduces students to the computer programming fundamentals of simple control and data structures, basic operating system commands, sequential files, arrays, recursive processes and the use of text files. Students will learn to design, code, and test their own programs. Strong Math skills are required, and problem-solving skills will be stressed with students solving problems in the areas of Engineering, Science, Math and Business.

The second half of this introduces students to the fundamentals of computer programming. Students will continue to learn to design, code, and test their own programs while applying mathematical concepts. Teachers introduce concepts and problem-solving skills to beginning students through the programming language Java. Students are introduced to more complex data structures and their uses, including sequential files, arrays, and classes This course can count as a 3rd year Math credit. Course fee: \$10.00.

### Cyber Security Ethical Hacking (7748) Semester (12)

Ethical Hacking is a chance to come and experiment with computer security and computer hacking in a safe enclosed environment where breaking something or breaking into something are both good things. The course teaches computer system exploitation as well as the ethical rules and standards behind whether that action should or can legally be done. Students apply to take this highly specialized class. Admission by TEACHER PERMISSION ONLY. Students will learn a variety of systems including Windows, Linux, anti-virus, firewalls, packets, block lists, and social engineering. Course fee: \$5.00.

### Digital Graphics Arts Intro/Digital Media 1 CE (7752/7755) Year (10-12)

Learn and create digital media applications. Develop skills using elements of text, graphics, animation, sound, video, and digital imaging. Assess appropriate software necessary for a variety of projects and applications. Implement communication, critical thinking, and problem-solving skills. Prepared for entry-level multimedia positions and provide fundamental 21st Century learning skills beneficial

for other occupational/educational endeavors. You will use Photoshop, Illustrator, Audition, Animate, After Effects and Premiere Pro. UVU Concurrent Enrollment fees apply for those choosing to earn the college credit. Class Fee \$10.00. DECA/FBLA membership is encouraged.

### Exploring Computer Science (7760) Semester (10-12) *Also counts as Digital Studies*

Exploring Computer Science is designed to introduce students to the expansive world of computers through an exploration of engaging and accessible topics. This course is not a programming class, but a class designed to develop critical thinking and problem solving. The goal of Exploring Computer Science is to develop in students the computational thinking practices, problem solving, and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers and societal and ethical issues. This course satisfies the Computer Technology requirement. Lab fee \$5.00.

### Game Development Fundamentals CE (7765) Semester (11-12)

Game Development Fundamentals looks at the history of video game design from the earliest versions of Pong to the biggest MMO's and FPS's of

today. The course will look at what makes certain games succeed and why others fail, as well as an extensive look at the various genres of gaming. Students will learn the skills necessary to develop, design and code a complete game over the semester as well as learn about and perform their own marketing. WSU – 3 credit hours. Prerequisite: 3.00 GPA. Course fee: \$30.00 WSU Admission (one-time). \$5.00 per credit hour registration fee (\$15). Lab Fee: \$5.00.

### Web Development 1 CE (7795) Semester (10-12) *Also counts as Digital Studies*

Advanced skill development in the electronic procedures of producing, editing, publishing, and maintaining documents on the Internet-Microsoft Technology Associate Industry Certifications available in HTML5 and CSS at no charge. Develop advanced skills in HTML5 and CSS3 coding. Emphasis placed creating, formatting, illustrating, designing, editing/revising Web documents. Design, create, format and edit webpages. Prepare for entry level positions web design positions as well as personal and fundamental 21st Century Learning skills beneficial for other occupational/educational endeavors. DECA/FBLA/TSA membership is encouraged. WSU Concurrent Enrollment fees apply for those who sign up for the college credit. Lab Fee: \$5.00.

## SKILLED AND TECHNICAL

### Automotive Courses Are a Sequence of Classes That Lead to Careers in the Automotive Industry

#### Automotive 1 CE Introduction to Auto (7642) Semester (10-12)

This beginning course will discuss the basic automotive systems and how they relate to one another. Topics will include shop safety, automotive careers, tools and their usage, automotive math and measurements, vehicle maintenance and service, tire/wheels and basic electrical systems. Students will be expected to participate in both classroom and shop discussions and activities. WSU Concurrent Enrollment fees apply. Lab Fee Required: \$10.00 Skills USA membership encouraged.

#### Automotive 2 CE (7644) Year (11-12)

This course will explore brakes, suspension/steering and other automotive systems. Students will have to pass an industry standard safety certificate program at the beginning of this course as a requirement to enter the shop facility. Brakes will be covered in great detail with several hands-on lab experiences. Some of the brake topics will include basic hydraulics, booster, drum brake components, disc brakes, bleeding brake systems, proper adjustment and resurfacing of brake drums and rotors. Brake topics will also include modern brake systems such as Anti-lock Brake systems, Traction Control systems, and Stability Control Systems. Steering and Suspension will include such topics as basic suspension/steering components, how basic hydraulics apply to both, parts, system and component identifications, lab work in proper removal and installation of all these components and finishes up with Alignment basics

and adjustments. Modern suspension and steering systems will include computer-controlled system theory and operation. WSU Concurrent Enrollment fees apply. Lab Fee Required: \$20.00. Skills USA membership is encouraged.

### **Automotive 3 CE (7654) Year-Daily (12)**

This course will explore basic electrical and electronic systems in modern vehicles, basic engine repair and engine performance. This class has a more hands-on approach to automotive repairs. Students will be

graded on their abilities to perform repairs and other assigned tasks. Course study will include electrical systems and operation theory/ diagnostics and testing. The basic engine section will include teardown, and measurement, with proper reassembly. Engine performance will include basic automotive technology of OBDII systems operation and diagnostics. WSU – 5 credit hours. Prerequisite: 75% achievement in Auto 1 and Auto 2. WSU Concurrent Enrollment fees apply. Two period Block class. Lab Fee Required: \$40.00. Skills USA membership is encouraged.

## **TECHNOLOGY, ENGINEERING & ROBOTICS**

### **Digital Photography (7765) Semester (10-12)**

Basic Digital Photography is designed to educate students on the basic functions of a digital camera, editing software for photos, and compositional techniques used in photography. Skills that relate to the operation and control of camera functions are taught by demonstration and practice in and outside of class time. Art elements and principles are emphasized throughout the semester to increase the effectiveness and quality of the photo. Computer skills essential to the output of photography are taught using Photoshop and comprise the majority of in class time. Credit for either Art or CTE. **Camera Required.**

### **Engineering Design Development PLTW CE (7896) Year (12)**

In this capstone course, students will work in teams to develop an original solution to a valid open-ended technical problem by applying the engineering design process. They will research, validate, and justify a technical problem. Each team will design, build, and test their solution. While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational, communication and interpersonal skills, their creative and problem-solving abilities, and their understanding of the design process. Finally, student teams will present and defend their original solution to an outside panel. WSU Concurrent Enrollment fees apply. Lab Fee: \$50. Technology Student Association (TSA) enrollment is encouraged: \$18. Prerequisites: Introduction to Engineering Design & Principles of Engineering.

### **Robotics 1 (7885) Semester (10-12)**

A lab-based, hands-on class which teaches the basics of robotics including: Safety, Application of Robotics and Automation, Robotic Components, Electricity, & Programming. Students will learn to design, build, program and control robotic devices by applying science, technology, engineering and math concepts. Lab Fee: \$10

### **Robotics 2 (7886) Semester (10-12)**

The second in a sequence of courses that prepares individuals with a lab-based, hands-on curriculum combining electrical, mechanical and engineering principles. Students will learn to design, build, program, and control robotic devices. A rigorous study and application of electrical components will include sources of energy, electrical safety, use and identification of basic electronic components, sensors and actuators. Engineering concepts will include mechanical design, prototype development, design testing, programming, and proper engineering documentation. Lab Fee: \$10. Technology Student Association (TSA) enrollment is required: \$18. State Certified Skills test is available. Prerequisite: Robotics Engineering 1. Introduction to Engineering Design is encouraged to be taken concurrently with Robotics Engineering 2.



## **Principles of Engineering (8638) Year (11-12)**

This “hands-on” course was developed by engineers in a combined effort known as Project Lead the Way (PLTW) for the purpose of channeling more skilled individuals toward the high demand world of engineering. This course introduces students to the various technology systems and manufacturing processes. Students learn how engineers use math, science, and technology to solve problems that benefit humankind. All of the information in this course can be applied to the design of robotic function. This course guides students toward the discovery, use and development of creative thinking and inventing. WSU Concurrent Enrollment fees apply. Lab Fee: \$50.00. Skills USA enrollment is encouraged. National Certified test is available. Prerequisite: Introduction to Engineering.

## **Introduction to Engineering Design, 3D Computer Aided Drafting CE (8637) Year (10-12)**

IED is an introductory course which develops student problem solving skills, with emphasis placed on the development of 3-D solid models. Students will work from sketching simple geometric shapes to applying a solid-modeling computer software package. They will learn a problem-solving design process and how it is used in industry to manufacture a product. The Computer-aided Design system (CAD) will also be used to analyze and evaluate the product design. Students will be exposed to the techniques learned and equipment used by engineers throughout the United States. WSU Concurrent Enrollment fees apply. Lab Fee: \$50.00. Skills USA enrollment is encouraged. Project Lead the Way National Certified Test.

## **Machining 1 (7676) Semester (10-12)**

Machinists are responsible for manufacturing the parts designed by engineers. They work in various fields including Aerospace, Automotive, Sporting Goods, Consumer Products, & Medical Equipment. Machining 1 is an introductory class dealing with the precision manufacture of various parts using the engine lathe, vertical mill, CNC mill, and various hand tools. Concepts taught include related math, precision measurement, reading technical drawings, and safety. Lab Fee: \$25

## **Machining 2 (7678) Semester (10-12)**

Machinists are responsible for manufacturing the parts designed by engineers. They work in various fields including Aerospace, Automotive, Sporting Goods, Consumer Products, & Medical Equipment. Machining 2 builds on the concepts taught in Machining 1. Advanced skills are taught on the engine lathe, vertical mill, and CNC mill. Concepts taught include related math, precision measurement, reading technical drawings, and safety. Lab Fee: \$25

## **Manufacturing Principles 1 (7880) Semester (10-12)**

Manufacturing Principles 1 is a required class for the Medical Innovations Pathway (Medical Device track), and the Utah Aerospace Pathway. The pathways established through the Governor’s Office of Economic Development are designed to allow students to transition to the workforce right out of high school. Basics concepts related to manufacturing are taught, including: Safety, Workplace Skills, Reading Technical Documents, Precision Measurement, and Lean Manufacturing. As much as possible, these concepts are taught through project-based learning. Lab Fee: \$15

## **Computer Integrated Manufacturing (CIM) (7893) Year (10-12)**

Robotics and automation are used in manufacturing, and our everyday lives. From self-driving cars to the production of your favorite pair of shoes! CIM builds on programming skills from POE and Computer Aided Design skills developed in IED. Learn how to program a CNC mill, design an injection mold, program industrial and educational robots, and create automated manufacturing processes. Students will use state of the art 3D Printers and CNC machines to produce physical models of their 3D CAD designs. Fundamental concepts of robotics used in automation, manufacturing, and design analysis are included. Lab Fee: \$15

## **Composites (8010) Year (11-12)**

This program introduces basic composite materials, techniques, and procedures. Students will demonstrate industry standards concerning safety, composite terminology, hand lay-ups, and composite inspection and repair. Students who complete this program will be prepared for entry-level employment as a composite technician.

## **Welding 1 (8858) Year (10-12)**

This is a year-long class dedicated to teaching the fundamentals of modern welding technology. This class will cover welding skills and terminology associated with many processes including: Gas Metal Arc Welding (in a short circuit transfer), Shielded Metal Arc Welding, Flux Cored Arc Welding (gas shielded), along with basic thermal cutting processes (Oxy-fuel, Plasma, and Carbon arc). This class is a Davis Technical college course (taught at Northridge) that you will get college credit for at Davis Tech. Lab Fee: \$40

## **Welding 2 (8859) Year (10-12)**

Pre-requisite for this class will be Welding 1. This is a yearlong class teaching Intermediate level welding skills that build upon the foundation laid in Welding 1. Welding 2 covers advanced processes including: Gas Metal Arc Welding (Spray and Pulsed Spray Transfer), Shielded Metal Arc Welding in more difficult welds including open root welds, and finally Flux Cored Arc Welding (self-shielded). Under certain conditions some student projects may be approved by Instructor. Like welding 1 this is a Davis Technical college class (taught at Northridge) for Davis Tech college credit. Lab Fee: \$40

# **DIGITAL STUDIES**

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Graduation Requirement: 0.5 credits

## **Digital Business Applications (7535) Semester (10-12)**

Mail? Forget it. TV commercials? Meet the DVR. Email? Old school. It's all about Instagram, Facebook, Pinterest, Twitter, QR codes and apps. Develop the skills to use these tools to solve business problems and develop marketing opportunities. Increase brand loyalty and sales. Assess which social media platform best reaches the customers of your product/business. Prepare for immediate employment, further education, and the acquired skills that allow you to work from your home, your phone, or wherever you want. Lab fee: \$5.00. DECA/FBLA membership is encouraged.

## **Exploring Computer Science (7860) Semester (10-12)**

Exploring Computer Science is designed to introduce students to the expansive world of computers through an exploration of engaging and accessible topics. This course is not a programming class, but a class designed to develop critical thinking and problem solving. The goal of Exploring Computer Science is to develop in students the computational thinking practices, problem solving, and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers and societal and ethical issues. This course satisfies the Computer Technology requirement. Lab fee \$5.00.

## **AP Computer Science (7713) Year (10-12) Year (10-12)**

AP Computer Science introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing, so all students understand how these concepts are transforming the world we live in. Course fee: \$10.00

## **Business Office Specialist CE (7530) Semester (10-12)**

Learn and practice skills using Microsoft Office preparatory for Industry Certification Microsoft Word, Excel, Access and PowerPoint MOS tests will be offered at no charge. Develop the ability to use a variety of applications effectively. Assess issues with use of technology in a variety of situations. Apply skills to create and edit professional looking documents. Prepare to successfully move into career related positions, develops skills needed for post-high school education report writing and data manipulation, along with good consumer related technology background for buying, using, and maintaining currently available technologies. DECA/FBLA/TSA membership is encouraged and provides students with relevant business experience. WSU Concurrent Enrollment available and additional coursework is required for students wishing to earn



college credit for the class. Weber State CE fees apply for those who choose to sign up for the college credit. Lab Fee: \$5.00.

### **Computer Programming 1 (7734) Year (11-12)**

This is a beginning through intermediate course in computer programming. This course introduces students to the computer programming fundamentals of simple control and data structures, basic operating system commands, sequential files, arrays, recursive processes and the use of text files. Students will learn to design, code, and test their own programs. Strong Math skills are required, and problem-solving skills will be stressed with students solving problems in the areas of Engineering, Science, Math and Business. The second half of this introduces students to the fundamentals of computer programming. Students will continue to learn to design, code, and test their own programs while applying mathematical concepts. Teachers introduce concepts and problem-solving skills to beginning students through the programming language Java. Students are introduced to more

complex data structures and their uses, including sequential files, arrays, and classes. This course can count as a 3<sup>rd</sup> year Math credit. Course fee: \$10.00.

### **Web Development 1 CE (7795) Semester (10-12)**

Advanced skill development in the electronic procedures of producing, editing, publishing, and maintaining documents on the Internet-Microsoft Technology Associate Industry Certifications available in HTML5 and CSS at no charge. Develop advanced skills in HTML5 and CSS3 coding. Emphasis placed creating, formatting, illustrating, designing, editing/revising Web documents. Design, create, format and edit webpages. Prepare for entry level positions web design positions as well as personal and fundamental 21st Century Learning skills beneficial for other occupational/educational endeavors. DECA/FBLA/TSA membership is encouraged WSU Concurrent Enrollment fees apply for those who choose to sign up for the college credit. Lab Fee: \$5.00.

# INTERNSHIPS

## Workplace Skills/Internship (8936) Semester-2 period block (12)

This exciting work-based learning course prepares high school seniors to become successful employees in the work force while exploring future careers. Students can intern in a field that they are considering as a potential career. The course curriculum correlates with the student's internship experience and focuses on workplace skills and issues. The internship program is in partnership with local businesses. The Internship instructor will place students in appropriate business sites. (Students may request a specific business.) To apply for an internship, talk to your counselor. Internships require 2 periods together. Internship experience looks great on resumes and college scholarship applications. Find out what your future career is really all about by participating in an internship! Prerequisite: Application Required. Course fee: \$35.00.

CTE High School Class Offerings 2021-22 2nd Semester								
Class Name	Course	Grade	Periods Offered				Prerequisite	Course Description
Family & Consumer Science								
Baking & Pastry	7467	10-12		3-4 A		7-8B		
Culinary Arts 2	7468	10-12	1-2 A		5-6 B			<a href="#">Culinary Arts</a>
Health Science								
CE Medical Scholars	7327	11-12		3-4 A				<a href="#">NUAHEC</a>
Pharmacy Technician			Coming Fall 2022					
Medical Assisting			Coming Fall 2022					
Business & Marketing								
Business & Marketing Capstone	7510	11-12	1-2 A	3-4 A		7-8 B	Marketing 1	<a href="#">Capstone</a>
Informational Technology								
Cybersecurity			Coming Fall 2022					
LINUX			Coming Fall 2022					
Skilled & Technical Sciences								
Unmanned Aerial Systems	7660	10-12	1-2 A		5-6 B	7-8B		<a href="#">UAS</a>
CE Intro to Geographical Information Systems	7722	11-12		3-4 A				<a href="#">Intro to GIS</a>
Audio Essentials 1	7610	10-12			5-6 B	7-8 B		Audio 1
Audio Essentials 2	7612	10-12	1-2 A				Audio Essentials 1	Audio 2
Video Production 1	7603	10-12	1-2 A		5-6 B			<a href="#">Video 1</a>
Video Production 2	7604	10-12		3-4 A			Video Production 1	<a href="#">Video 2</a>
Work-Based Learning								
CTE Internships	7912	11-12	Availability All Periods					
All courses at the CTE High School are double-blocked. Students will have transportation provided to and from their home high school.								

# FINANCIAL LITERACY

Graduation Requirement: 0.5 credits

## CE Adult Roles & Financial Literacy (7452)

Year (12)

This course prepares students to understand the nature, function, and significance of human relationships involving individuals and families integrated with general financial literacy. Students will develop skills for self-awareness, decision making, career preparation, communication, dating, marriage, parenting, and money management. This course will prepare you for your future as an adult. The Adult Roles and Financial Literacy (ARFL) 1.0 credit course will fulfill the .5 credit General Financial Literacy (GFL) Graduation requirement with the remaining .5 credit counting as CTE or

elective credit. WSU Concurrent Enrollment fees apply. \$10.00 Class Fee. FCCLA membership is encouraged.

## General Financial Literacy (7075) Semester (11-12)

This semester course focuses on personal finance principles as they relate to income, money management, spending, budgeting, credit, savings, and investing. Students will use this knowledge and related skills to take individual responsibility for personal economic well-being. Students will also participate in the interactive Stock Market Game to learn about investing and the ways the stock market reflects our economy. Lab Fee: \$8.00.

# FINE ARTS

Graduation Requirement: 1.5 credits in grades 9-12

## FINE ARTS PERFORMING

### Band Level 2 -Intermediate Symphonic (2210)

Year (10-12)

This class is designed for incoming and new students at Northridge who play a woodwind or brass instrument.

Time outside of class is required. Course fee: \$35.00

### Band Level 3 Advanced Concert -Wind Ensemble (2220) Year (10-12)

This class is designed for all woodwind and brass players. You must have completed one year in the Concert Band or be auditioned for membership. There will be outside of class time required. There is a \$35.00 fee payable at registration. Prerequisite: Concert Band Course fee: \$35.00

### Band Level 3 Percussion Ensemble (2224) Year (10-12)

This class is designed for all percussion players who wish to play in the Northridge Band. Sometime outside of class is required. There is a \$35.00 fee and a \$95.00 district rental fee payable at registration. Course fee: \$35.00 & \$95.00

### Band Level 3 Jazz Ensemble (2225) Year (10-12)

The class emphasis is on jazz techniques.

Instrumentation is limited to saxophones, trumpets, trombones, bass guitar, piano, jazz guitar, and drums. Piano, guitar, drums, and bass by audition only. It is recommended students be enrolled in either Concert or Symphonic Band or Percussion Ensemble to enroll in Jazz Ensemble, unless approved by director. There is outside of class time required. Prerequisite: Concert, Symphonic or Percussion. (Audition required)

### Band Level 3 Marching Band (2220) Semester (10-12)

Marching Band starts at the beginning of the summer with parades and culminates in the fall with our field show and performing in different competition from Utah County to Cache County. The course develops good marching technique as well as different playing styles. After school rehearsal is required and well as some Saturdays. Prerequisite: any band or percussion class. Course fee: \$250 – \$310. Other fees MAY be required if student has not marched before.

### CE Intro to Music (2322) Semester (11-12)

This course is an introduction to music, its elements, language, and historical development. This class takes the student through the history of music from the Middle Ages to Rock and Roll. The class is

designed for students to experience different types of musical genres as well as learn how music affects us in our daily lives. The course focuses on European and American music with components of jazz, world, and popular genres. Concert attendance outside of regularly scheduled class time is required. WSU Concurrent Enrollment fees apply.

### **Choir Level 1- Women's Choir (2304) Year(10-12)**

This course is open to all women. It is a full year course. Curriculum is based on the state standards. Students will gain experience in vocal technique, notational literacy, productive rehearsal habits, and performance of varied repertoire. In addition, students will also explore composition and improvisation, expand music listening skills, analyze and evaluate music and find personal historical and cultural connections through music. Performances and rehearsals outside of class time are required each term. Performance attire will include black and white attire with a purchased scarf.

### **Choir Level 1 - Men's Choir (2305) Year (10-12)**

This course is open to all men. It is a full year course. Curriculum is based on the state standards. Students will gain experience in vocal technique, notational literacy, productive rehearsal habits, and performance of varied repertoire. In addition, students will also explore composition and improvisation, expand music listening skills, analyze and evaluate music and find personal historical and cultural connections through music. Performances and rehearsals outside of class time are required each term. Performance attire will include black pants, white shirt, black shoes and socks, and the purchase of a choir tie.

### **Choir Level 3-A Cappella (2310)Year(11-12)**

This course is open to 11 and 12 grade men and women by audition only. In addition to the basic curriculum listed above, this choir will represent Northridge High School at festivals. This is an accelerated course for the dedicated choral student. There will be extra rehearsals and performances outside of class time. Students must maintain eligibility. Performance attire will be a purchased suit for men and a purchased black dress for women. Students may opt to participate in the spring choir tour. Audition required.

### **Choir Level 3 - Chatelaines (2310) Year (11-12)**

#### **(Women's)**

This course is open to 11 and 12 grade women by audition only. In addition to the basic curriculum listed above, this choir will represent Northridge High School at festivals and in community performances. This is an accelerated course for the dedicated choral student including many rehearsals and performance outside of class time. It is strongly recommended that singers also register or A Cappella. Students must maintain eligibility. Performance attire TBA. Audition required

### **Choir Level 3 - Chevaliers (2310) Year (11-12)**

#### **(Men's)**

This course is open to 11 and 12 grade men by audition only. In addition to the basic curriculum listed above, this choir will represent Northridge High School at festivals and in community performances. This is an accelerated course for the dedicated choral student including many rehearsals and performance outside of class time. It is strongly recommended that singers also register or A Cappella. Students must maintain eligibility. Performance attire TBA. Audition required.

### **Choir Level 3- Excalibur / Madrigals (2310) Year (11-12)**

This course is open to 11 and 12 grade men and women by audition only. In addition to the basic curriculum listed above, this choir will represent Northridge High School at festivals and in community performances. This is an accelerated course for the dedicated choral student including many rehearsals and performance outside of class time. It is strongly recommended that singers also register for A Cappella. Students must maintain eligibility. Performance attire TBA. Audition required.

### **Orchestra Level 3 (2409) Year (10-12)**

Orchestra is intended for students who have played a string instrument (violin, viola, cello, or bass) for at least 3 years. There is no audition required. The class consists of students' grade 10-12 and is a full year class. Students are expected to make a one-time purchase of our concert uniform (\$100.00 for men, \$70.00 for women) that will be used for the duration of their time in orchestra. There is also a \$10.00 annual participation fee. Violas, cells and basses are available for rental for a yearly rental \$95.00. Violin

students will have to provide their own instrument. Students will have the opportunity to participate in our annual out-of-state tour in the spring, but this is not required to be in orchestra. There will be extra activities outside of normal school hours such as concerts and festivals, but these will be minimal

### **Dance 1A (2601) Semester (10-12)**

Dance 1 focuses on learning the basic dance skills such as movement qualities, time, space and energy. Students will participate in a variety of dance forms, however there is an emphasis on modern/improvisation. In order to give students an experience in several types of dance, ballet technique, jazz, hip hop and some character dance will also be taught. Prerequisite: Fit for Life.

### **CE 1010 Dance (1280) Semester (11-12)**

Investigate the rules, messages, and meanings embodied in dance while developing knowledge of dance from multiple viewpoints (historically, culturally, aesthetically, critically, and creatively). This is BOTH a movement and writing intensive course. \*Students are expected to attend concerts and cultural experiences outside class time.

## **FINE ARTS VISUAL**

### **Art Foundations 2 Beginning (2105)**

Semester (10-12)

This course is required as a prerequisite for Ceramics, Drawing, Painting, Commercial Art, and Advanced Placement Art. The course focuses on and is built around the Elements and Principles of Art and is project-based. Students will study the principles of proportion, light and shadow, depth, color, and creative expression as they apply to landscapes, portraits, animals, and man-made objects. Course fee: \$15.00.

### **Ceramics 2 (2113) Semester (11-12)**

This course introduces basic procedures for preparing, forming, glazing, and firing works in clay. Students apply these procedures through the creation of hand-built, wheel-thrown, and sculptural forms of functional, decorative, and abstract art. Course fee: \$20.00 (there is an additional cost of \$5.00 for tools and additional clay.)

### **Ceramics 3 (2114) Semester (11-12)**

This course provides students with opportunities to refine the basics and techniques in the production of hand-built, wheel- thrown and sculptural forms of functional, representational and abstract art. Students have the option to pursue strictly hand building, wheel-throwing or they can blend the assignments and do both hand build and wheel throwing. This course is to help students find which area of ceramic making they enjoy the most and explore that technique. Prerequisite: Ceramics 2 at the High School level or portfolio review. Course fee: \$20.00 (there is an additional cost of \$5.00 for tools and additional clay.)

### **Ceramics 4 (2115) Semester (11-12)**

This course provides students with opportunities to refine the basics and techniques in the production of hand-built, wheel- thrown and sculptural forms of functional, representational and abstract art. Prerequisite: Students have the option to pursue strictly hand building, wheel-throwing or they can blend the assignments and do both hand build and wheel throwing. This course is to help students find which area of ceramic making they enjoy the most and explore that technique Ceramics 3 at the High School level or portfolio review. Course fee: \$20.00 (there is an additional cost of \$5.00 for tools and additional clay.)

### **AP Ceramics 3D Studio (2127) Semester (12)**

This course is an advanced pottery and sculpture course. For students with an understanding of elementary ceramic principles who wish to further develop their knowledge and skill. Students should have been able to develop projects and promote processes that are their own. Students must be proficient with wheel- thrown as well as being adept in hand-built construction. Students will analyze and evaluate ceramic and sculptured projects. All students will be encouraged to complete an *AP 3-Dimensional Art Portfolio*. Prerequisite: Ceramics 3&4 and portfolio review. Course fee: \$20.00 (there is an additional cost of \$5.00 for tools and additional clay.)

### **Drawing (2110) Semester (10-12)**

We will be working at a very high level. Students will review the elements and principles of two-dimensional art and learn methodology of learning to draw accurately. Great emphasis will be placed on composition and proportion. A variety of media will be

used. The primary subject of study will be realistic and from life, not cartooning or animation (mostly). Homework is required. Prerequisite: Must have taken Foundations Art 2. Course fee: \$15.00

### **CE Drawing (2131) Semester (11-12)**

Students will follow the course and syllabus directed by the Weber State University Art Department. WSU Concurrent Enrollment fees apply. Prerequisite: Must have taken Foundations Art. Course fee: \$15.00 (and additional materials).

### **AP Studio Art Drawing (2128) Year (12)**

This course focuses on in-depth individual work, also known as inquiry-based learning, the creation of a Sustained Investigation portfolio of at least 15 best examples of artwork. Students taking this course will have the potential to earn college credit for all successfully completed AP Art requirements. Students may submit some recently completed artwork for their portfolio if it was created during the summer prior to the year of enrollment. Course Fee: \$30 (\$15 each semester), materials fee as needed per personal interest, and approx. \$92 AP exam fee.

### **CE Art 1030 (2130) Semester (10-12)**

This course is an enrichment to Art Foundations 2 Beginning. In this course students will learn to render value, color theory, linear perspective to create depth, and use various drawing tools to achieve proportion and placement control. Students will also explore a wide range of different mediums such as wire, charcoal, pastels, graphite, collage, and paint. Students will be able to represent a range of ideas and concepts through the Elements and Principles of art in their body or work. WSU Concurrent Enrollment fees apply.

### **AP Studio Art 2D(2126) Year (12)**

This course focuses on in-depth individual work, also known as inquiry-based learning, the creation of a Sustained Investigation portfolio of at least 15 best examples of artwork. Students taking this course will have the potential to earn college credit for all successfully completed AP Art requirements. Students may submit some recently completed artwork for their portfolio if it was created during the summer prior to the year of enrollment. Course Fee: \$30 (\$15 each semester), materials fee as needed per personal interest, and approx. \$92 AP exam fee.

### **CE Art History (Art 1010) (2132) Semester (11-12)**

Introduces visual art to the non-major. Provides historical perspective of visual art development. Study of major principles, elements, media, and techniques. Nonjudgmental art project, reading, writing, required. SLCC Concurrent Enrollment fees apply.

### **Painting 1 – Water Color (2107) Semester (11-12)**

This course explores the elements and principles of art through paint and other media. Students will learn painting techniques as well as the importance of historical and contemporary painters. Through demonstration, exploration and experimentation, students will learn how to paint landscapes, portraits, non-objective paintings and still-life. This course will include instruction on basic techniques and skills relating to the use of oil paint, watercolor and acrylics. Prerequisite: Foundations Art 2 and Drawing (or portfolio review). Course Fee: \$10.00. Some painting materials must be supplied by the student.

### **Painting 1 – Acrylic/Oil (2107) Semester (11-12)**

This course is an extension of Painting 1-Water Color also employing the elements and principles of art. Painting 1 Acrylic students will further explore concept and meaning in art. Students may choose a major paint media of interest to work with. Self-directed work and more outside-of-class work should be expected. This class is intended for the committed and motivated art student. Prerequisite: Foundation Arts, Drawing, & Painting 1-Water Color. Students must provide materials as needed for paint, canvas, etc.

## **THEATER**

### **CE Introduction to Theatre (2510) Semester (11-12)**

An introduction to live theatre and drama and the creative heritage of theatre. Students will develop critical awareness of dramatic theory and performance practice through reading and evaluating historical and contemporary drama, and through applied creative activities. Students are expected to attend live theatre performances. This is not an acting course. WSU Concurrent Enrollment fees apply. Course Fee: \$15.

## **Theatre Level 2 (Beginning) (2503) Semester (10-12)**

A class designed for the beginning student of Theatre. The fundamentals of Theatre are introduced. Topics covered include but are not limited to: Movement, Voice and Diction, Broadway, Theatre History, Play writing, and Improvisation. Students should be advised this is a group performance-based class. Individual rehearsal time is given, and students must be able to self-motivate and make strong use of the available rehearsal time given to them. Students are also required to see live theatre performances outside of class time. An end of term performance is required. All students intending to participate in REP theatre (level 5) **MUST TAKE THIS CLASS**. Course fee: \$10.

## **Theatre Level 3 (Intermediate) (2504) Semester (10-12)**

The prerequisite of Theatre 1 is needed to attend this class. Students will be studying Theatre on a deeper, more individualized level than in Theatre 1. Play analysis and character analysis are introduced and studied in depth. Strong emphasis will be on early Theatre History. Students must be willing to perform in front of peers in both a group and individual setting and demonstrate an appreciation for all areas of theatre. Students are required to see live theatre performances outside of class time. An end of term performance is required. All students intending to participate in REP theatre (level 5) **ARE STRONGLY ENCOURAGED TO TAKE THIS CLASS**. Course fee: \$10.

## **Theatre Level 4 (Creative Design) (2505) Semester (11-12)**

This is an in-depth course regarding the history of Stage design, costume design, lighting design, and prop making. Students will assist in creating an entire set and will be responsible for all creative work needed to put on the school musicals and play. Students will get hands-on experience in

creating what is needed for a production to look its best. Course fee: \$10.

## **Theatre Level 4 (Repertoire Theatre) (2505) Year (11-12)**

This course is an in-depth look at specific areas of acting, directing, design and play analysis. Students will explore various acting styles within an audition process. Play analysis includes in depth look at classic and modern plays and playwrights. Students will perform regularly as well as attend various theatre productions. Students are required to see live theatre performances outside of class time. Students will attend the Shakespeare Competition, UTA, and perform in the school play. Prerequisite: Beginning theatre, Intermediate theatre, and audition. Course fee: \$10.

## **Musical Theatre (2508) Semester (10-12)**

This class is a select group of students open to all sophomores, juniors, and seniors which produce a school musical and play. Students will be worked rigorously in acting, singing and dancing. Students within these classes are expected to work on all aspects of the production process. Students may audition for one or both semesters. Rehearsals will also include outside of class time, as well as weekends and a commitment contract is signed at time of audition. Audition Only. Course fee: \$50.00.

## **Productions (2512) YEAR (10-12)**

This class is a select group of students open to all sophomores, juniors, and seniors which produce a school musical and play. Students will be worked rigorously in acting, singing and dancing. Students within these classes are expected to work on all aspects of the production process. Students may audition for one or both semesters. Rehearsals will also include outside of class time, as well as weekends and a commitment contract is signed at time of audition.



# HEALTH/PHYSICAL EDUCATION

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Graduation Requirement: .50 Health, .50 Fit for Life, 1.0 PE

## Health Education 2 (1010) Semester (10-12)

Health education provides opportunities for students to develop knowledge, skills, and attitudes necessary for practicing lifelong, health-enhancing behaviors. The Health II curriculum focuses on what students can do for themselves to meet the objectives of the six state core standards and illustrates the impact their attitudes and behaviors have on the world around them. Students will learn that they are responsible for their personal well-being and that building a solid foundation of health literacy and decision-making skills can contribute to positive health choices throughout life. In addition, they will explore the impact their personal health has on society.

## Fitness for Life (1030) Semester (10-12)

Fitness for Life is an individualized, concepts-based, one-semester course designed to give students the knowledge and skills necessary to self-assess, create, conduct, evaluate, and redesign personal fitness programs. It is required of all students and there are no substitutions, including participation in athletics. The course is a combination of classroom and activity-based learning activities with a focus on proper nutrition and the mastery of skills and concepts necessary for students to become accomplished monitors of their personal fitness. Through participation, students learn to compare the fitness benefits in a variety of individual and team activities. Fitness testing is used to establish individual baseline levels for designing fitness programs, to show improvement, and to provide students with personal information. Scores on fitness tests are not used as the primary or only measure of success in Fitness for Life. Teachers guide students to make individual decisions about their personal programs and to develop positive attitudes and behaviors toward proper nutrition and fitness activities. Course fee: \$5.00

## Fitness for Life - Get Fit - (1030) Semester (10-12)

This course is designed for individuals who want to improve their level of physical fitness. Students will learn about healthy weight-loss strategies, nutrition, body-fat ratio, goal setting, and target heart-rate

zones for exercise. Activities will include: Cardiovascular fitness, low impact weight training, and circuit training exercises.

Course fee: \$5.00

## Lifetime Activities (1040) Semester (11-12)

Students in this one semester course will acquire skills in a variety of lifetime activities that contribute to sustained fitness and well-being. These skills and activities offer positive ways to cope with stress and contribute to the quality of life not only as a student, but as a future adult. Some of these activities will include soccer, basketball, volleyball, softball, baseball, kickball, floor hockey, volleyball, bowling, badminton, tennis, pickleball, table tennis and racquetball. This course offers students a more in-depth opportunity in each activity that will help students improve their knowledge and skill. Course fee: \$25.00 (Bowling)

## Lifetime - Cardio Fusion (1040) Semester (11-12)

Students in this one semester course will gain knowledge and improve their social skills, gross motor skills, and physical fitness by participating in several fitness modalities. Pilates, Yoga, Barre, Kickboxing, Step, Aerobic Training, Circuit Training Activities, Cardiovascular Endurance activities, and Fitness Testing Activities. This class will incorporate music with movement and occasional choreography. No dance experience required. Students will use several types of fitness related equipment including resistance bands, suspension trainers, light hand weights, and gliders. This class would be for a student that wants additional cardio training and desires to take their workout to the next level of intensity. Course fee: \$5.00

## Body Conditioning 1 (1050) Semester (11-12)

This course will emphasize overall training of the musculoskeletal/cardiovascular systems. Students will learn functions and lifts that serve each muscle group and will set personal and attainable goals. Olympic and powerlifting methods will be introduced and performed at the beginning level. Circuit and plyometric training for muscular enhancement, strength, and agility will also be introduced in this course. Abdominal and core strength will also be emphasized for overall body structure and posture

training. Prerequisite -Fit for Life credit. Class fee: \$15.00

## **Body Conditioning 2 (1051) Semester (11-12)**

This course is an ADVANCED weightlifting class and will emphasize overall training of the musculoskeletal/cardiovascular systems. Olympic weightlifting and powerlifting methods will be developed and performed at the intermediate to advanced levels. Circuit and plyometric training for muscular enhancement, strength, and agility will also be advanced to the next level in this course.

Abdominal and core strength will be emphasized for overall body structure and posture training.

Prerequisite – BODY CONDITIONING 1. This course is also offered to members of the following athletic teams: Basketball, Cross-Country, Football, Softball, Volleyball, Swimming, Track, Soccer, and Wrestling without a prerequisite of BODY CONDITIONING 1 - Class fee: \$15.00

## **Yoga (1060) Semester (11-12)**

Yoga seeks to unite your physical, mental, and spiritual self. Students will be working with the body through asanas (poses), breathing, and relaxation.

Yoga can be viewed as a course in fitness training, sport therapy, lifestyle enrichment, and stress reduction. Course fee: \$5.00

## **Cheerleaders (221) Year (10-12)**

Students enrolled are admitted from the results of spring tryouts.

## **Team Conditioning (1052) Semester (10-12)**

A conditioning class for students who will be participating on Northridge sports teams. 4th period: This class is for boys' basketball, baseball, cross country, soccer, track and wrestling. 8th period: This class is for girls' cross country, basketball, soccer, softball, track and volleyball. Permission from head coach of your sport is required.

## **Advanced Football Team Conditioning (1053) Year (10-12)**

This class is for athletes participating in football. It is designed to improve muscular strength, endurance, flexibility and cardio-vascular fitness. Permission from the head coach is required. Course fee: \$5.00

## **DANCE**

### **Dance 1A (2601) Semester (10-12)**

Dance 1 focuses on learning the basic dance skills such as movement qualities, time, space and energy. Students will participate in a variety of dance forms, however there is an emphasis on modern/improvisation. In order to give students an experience in several types of dance, ballet technique, jazz, hip hop and some character dance will also be taught.

### **Individual Lifetime Activities– Social Dance (1041) Semester (11-12)**

A beginning course that focuses on partner dance and dancing in social settings. Gain a basic understanding of movement and social etiquette while learning popular dances including: Waltz, Tango, Foxtrot, Cha Cha, Rumba, and Country Swing.

### **CE 1010 Dance (1280) Semester (11-12)**

Investigate the rules, messages, and meanings embodied in dance while developing knowledge of dance from multiple viewpoints (historically, culturally, aesthetically, critically, and creatively). This is BOTH a movement and writing intensive course. \*Students are expected to attend concerts and cultural experiences outside [of](#) class time.

### **Dance Company (2606) Year (10-12)**

An advanced dance group focusing on dance performance through student and guest choreography. AUDITION ONLY

### **Drill Team (Cardinelles) (1275) Year (10 – 12)**

This is a specially selected precision dance-drill group open to selected freshman, sophomores, juniors, and seniors. AUDITION ONLY. Elective Credit.

# LANGUAGE ARTS

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Graduation Requirement: 4.0 credits Grades 9-12

## 10<sup>th</sup> Grade Options

### **Honors English 10 (4085) Year (10)**

No prerequisites. This course is open to all student especially those who wish to take AP or CE English in the future. Students will build reading, writing, and analysis skills through a collection of texts emphasizing world literature. This course enriches understanding of vital Language Arts skills while preparing students for future AP and CE English courses.

### **English 10 (4080) Year (10)**

Students will build comprehension, composition, language, and critical thinking skills through a study of texts emphasizing diverse literature. They will also develop skills in argument, exposition, and narrative through practice of the writing process. This course enriches understanding of vocabulary, grammar, and

usage, and prepares students to take the ACT their junior year.

### **Read 180 (4215) Year (10-12)**

Read 180 is a program designed for students who have struggled with reading. English and Read 180 courses will be offered in a 2-period block. This will help students build fluency, develop skills, comprehension, and the ability to summarize effectively. Students will build these skills and strategies by working in three different rotations: independent reading, Read 180 computer software, and group work. Students will be placed in a reading class based on their most current reading assessment, which must show that students are significantly below grade level expectations to qualify the student for this course.

## 11<sup>th</sup> Grade Options

### **AP Language & Composition (4310) Year (11, 12)**

The AP English Language and Composition course focuses on nonfiction and rhetoric, which is persuasive speech and writing. The course requires students to analyze and write evidence-based analysis and arguments. Students will evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze nonfiction texts—including images as forms of text—from a range of disciplines and historical periods, as well as a variety of fictional works. The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum.

### **Honors English 11 (4105) Year (11)**

Students will build reading, writing, and analysis skills through a collection of texts emphasizing American literature. This course enriches understanding of vocabulary, grammar, and usage,

and prepares students to take the ACT during their junior year. Enrollment in this course assumes students possess advanced language arts skills and a readiness to participate in a rigorous curriculum. Students who complete this course will be prepared to move on to CE or AP English courses their senior year.

### **English 11 (4100) Year (11)**

This course builds comprehension, composition, language, and critical thinking skills. The focus of study is American literature, including narrative and informational texts foundational to the cultural and intellectual traditions of the United States. Students build on their skills to increase proficiency at informational, argumentative, and narrative writing. Emphasis is placed on the critical examination of vocabulary, grammar, and usage. Preparation for college entrance exams is also emphasized.

## 12<sup>th</sup> Grade Options

### **AP Literature & Composition (4315) Year (12)**

AP English Literature focuses on the study of plays, short stories, novels, and poetry. Students in this class will concentrate their time on reading and discussing great works of literature, developing their skills in writing as they respond to pieces that we read. The AP English Literature and Composition test in May will assess your ability to analyze author's choices in a work of literature and provide you with 6 college level credits. There are no prerequisites and all interested students are welcome.

### **AP Literature/Language Composition Combo (4315/4310) Year (12)**

AP English Literature and Language combines the deep analysis of literature (novels, plays, poems, and short stories) with the rhetorical analysis of literary nonfiction, providing students with the opportunity to apply their analytical, rhetorical, and composition skills in all literary areas. This class will prepare motivated students for both the AP Literature and/or AP Language tests in May, offering a potential of 12 college credits. There are no prerequisites and all interested students are welcome.

### **CE 1010 English (4295) Semester (12)**

This course is divided into three related sections. In the first section, students learn to read and summarize texts. In the second section, students read a common set of texts and work on summarizing them and understanding how they exist in conversation with one another. This section of the course will culminate in an extensive literature review (7-10-pages). In the third section, students will practice their newly acquired skills by choosing their own topics, finding their own sources, and constructing another literature review on that topic. Prerequisites: ACT score of 17 or higher in BOTH Reading and English and a 3.0 GPA. \$30 admissions, \$15 class fee.

### **CE 2010 English (4300) Semester (12)**

ENGL 2010 prepares students to join conversations on important topics as informed and responsible participants so that they may contribute meaningfully. Students who successfully complete this course will be able to find, evaluate, and manage

sources, understand those sources in relation to ongoing conversations, and enter into dialogue with them in their essays inside and outside of the university setting and will be expected to write two 7-10 page papers along with shorter papers. Prerequisites: Completion of CE English 1010 with a C or higher or a score of 29 or higher on the ACT Reading and English tests. \$30 admissions, \$15 class fee.

### **CE 2200 English Literature (4305) Semester (12)**

This course is designed to provide students with an extensive literary experience. The curriculum covers a wide array of literature throughout the literary canon, so students can develop an understanding and appreciation for many authors. Students will read heavily and participate in discussions and writing assignments throughout the semester. Students unable to attend and complete college level coursework should not apply. Other requirements as mandated by WSU may be applied to the admissions process and coursework. \$30 admissions, \$15 class fee.

### **CE 2110 Communication (4290) Semester (12)**

This course will provide students with a basic knowledge of interpersonal and small group communication. The focus of the course is how humans establish and maintain relationships through communication, especially in the group context. Students will learn communication skills which may allow them to improve relationships in their school, work, and personal lives. Students participate in a variety of learning activities, including class and group discussions, communication skill practice, essay writing, a group service-learning project, and group presentations. WSU Concurrent Enrolment fees apply.

### **Humanities (4281) Semester (12) (Writing Course)**

The purpose of this course is to allow students to learn about all the elements that create culture. These will include glimpses into music, literature, architecture, art, and government. The course will begin with ancient civilizations and progress through time. Students will make connections between the art a culture produces and the people who created it.

## English 12 Writing (4155) Semester (12)

This course builds comprehension, composition, language, and critical thinking skills. Students use the writing process to develop skills in narrative, exposition, and argument composition. College and career readiness is emphasized, with a focus on critical vocabulary, grammar, usage, speaking, resume writing, and listening skills.

## English 12 Literature (4160) Semester (12)

This course builds comprehension, language, and critical thinking skills. The focus of study is British literature, including influential narrative and expository texts of the English-speaking world. Two novels will be studied and analyzed in this class, and personal daily reading will be assigned and explored through the book report process. College and career readiness is emphasized, with a focus on literary vocabulary, reading comprehension, and being an informed and contributing global citizen.

## Creative Writing 1 (4335) Semester (10-12)

In Creative Writing 1, students explore the fundamentals of writing creatively. Through the study of narratives (stories), poetry, and other writings, students will discover their own personal voice and set meaningful goals to help them improve their writing skills. While there are substantial class assignments, much of the coursework here is personalized and can be shifted to your learning needs and style. The goal of Creative Writing 1 is to play with language and find tricks and tips that you can apply in your future as a writer. This course is offered as elective credit for all grades, but it can count as senior English credit in the 12<sup>th</sup> grade year.

## English/Language Arts Multi-Grade Electives

These classes offer elective credit and, in some classes, potential college credit but will not count toward English core credit for sophomore and junior students.

## Creative Writing 1 (4335) Semester (10–12)

In Creative Writing 1, students explore the fundamentals of writing creatively. Through the study of narratives (stories), poetry, and other writings, students will discover their own personal voice and set meaningful goals to help them improve their writing skills. While there are substantial class assignments, much of the coursework here is personalized and can be shifted to your learning needs and style. The goal of Creative Writing 1 is to play with language and find tricks and tips that you can apply in your future as a writer. This course is offered as elective credit for all grades, but it can count as senior English credit in the 12<sup>th</sup> grade year.

## CE Public Speaking 1020 (4380) Semester (11–12)

Communications 1020 explores the dynamics of verbal communication. The emphasis is on practical application of course content. Demonstration of skills learned takes place in class as well as in Model UN competition. SLCC Concurrent Enrolment fees apply.

# MATHEMATICS

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Graduation Requirement: 3.0 credits Grades 9-12 (Utah state minimum requirement is Secondary Math II)

## Accounting 1 and Accounting 2 (7501/7502) Year (11-12)

Accounting is the Foundation of all Business Careers! Don't depend on someone else to count the money you will make in the future. Know how to do it yourself! Students will develop understanding of the basic elements and concepts of double-entry accounting. Students are prepared for employment in entry-level accounting jobs and further education endeavors. **Can be taken as the 3<sup>rd</sup> Credit of Math to meet**

**Graduation Requirement.** The class is not recognized by the NCAA as a math credit. Course fee \$10.00 per semester.

## Corequisite Math Lab (Secondary Math 2A Prep Lab) (5905) Year (10)

This course is a one semester course intended to help students make the transition from an unsuccessful Secondary Math 1 experience to a more successful Secondary Math 2A experience. The Secondary Math

2A Prep Lab is an abbreviated review of Secondary Math 1 topics. Students will receive two grades for this course. (1) Elective credit – a pass/fail grade based on positive class participation, following class expectations, attendance, and by completing at least 1 unit of make-up work per term. (2) Secondary Math 1 Credit Replacement – a letter grade as original credit or replacement credit based on mastery of each Unit. One Unit completed at mastery (70%) will replace 1 term of Secondary Math 1 credit.

### **Secondary Math 2A (5300) Year (10)**

This course is for focused, hard-working students who had a difficult time passing Secondary 1. This is a mastery-based course and students will proceed at their own pace, following a pacing calendar. Three completed units at mastery (70%) will earn 1 term of credit. Term grades will not be issued until mastery is met! Secondary Math 2A is an abbreviated overview of a regular Secondary Math 2 experience. This course will provide students with the opportunity to experience success in mathematics, build skills, and learn experience better study habits. This course may be taken by recommendation only, so talk to your student's teacher and counselor for more information. Students who take Secondary 2A will move on to either College Prep or Math for Life the following year. TI-84 calculators are recommended but not necessary. Recommendation: Teacher AND Counselor recommendation.

### **Secondary Math 2 (5300) Year (10-11)**

Secondary Math 2 is necessary for graduation. This course is the primary course for preparing students for Secondary 3, the ACT and other college entrance exams. This course covers many topics in geometry and algebra. This course is the first course introducing trigonometry which is essential for any further mathematics classes. Student who have shown proficiency (Grades of A's/ B's/ C's) in Secondary 1 should be ready for this course. Graphing Calculators are required by the 2<sup>nd</sup> term of this course and will be necessary for the rest of the student's math classes in high school. We recommend a TI-84+ edition. (silver, platinum or fashion colors not necessary). These are also available to rent for \$20 per semester in the library. Course fee: \$15.

### **Secondary Math 2 Honors (5305) Year (10)**

This course is for sophomores with a serious commitment to attend college. Students must be enrolled in the Honors level of Secondary 2 to eventually take AP Calculus and/or AP Statistics, and very likely earn college math credit, before graduating from high school. Students will gain a strong foundation in geometry, trigonometry and second year algebra as well as some work with statistics. This is a college prep level course that will teach students critical thinking skills, and strong work ethic, while preparing them for Secondary 3 Honors and college entrance exams. Students who have shown proficiency in Secondary 1 Honors should be successful in this course. Students will need a graphing calculator for this course. We suggest the TI 84 + edition. These are also available to rent for \$20 per semester. Recommended: Secondary 1 Honors who have shown proficiency (Grades of A's/ B's/ C's) or teacher recommendation. Course fee: \$15.

### **College Prep Math (5850) Year (11-12)**

This is a remediation course that follows Secondary 2 and prepares students to take Secondary 3 their senior year. Students who struggled in Secondary 2 or did not show proficiency in Secondary II should take this course as a bridge course to Secondary 3 the next year. This course is for students who want to go to college but need a slower track. Topics covered are linear, quadratic, and exponential functions. Students must have completed Secondary 1 and Secondary 2 to be recommended for this course in addition to teacher recommendation. Course fee: \$15.

### **Math for Life (5830) Year (11-12) (3<sup>rd</sup> Year Math Credit)**

Mathematics for Life is designed for students in their junior or senior year of high school. The course represents content from mathematics and use of mathematic application to modern society. This course includes mathematics that are essential for students who will assume roles as consumers, money managers, and members of a global workforce. This course will fill the third math credit instead of taking Secondary 3. The class is not recognized by the NCAA as a math credit. Prerequisite: Completion of Secondary 1 and Secondary Math 2.



## Secondary Math 3 (5400) Year (11-12)

This course will build on topics learned in Secondary 2 and will cover topics such as probability and statistics, polynomial, rational, linear, quadratic and radical functions, and trigonometry. Student who have shown proficiency in Secondary 2 should be ready for this course. This course will prepare and lead into CE Math 1010/1050 and 1010/1030 the following year. Graphing calculators are required. We recommend the TI-84+ edition (silver, platinum or fashion colors not necessary). These are also available to rent for \$20 per semester in the library. Secondary Math 2. Course fee: \$15.

## Secondary Math 3 Honors (5405) Year (10-12)

This is the prerequisite course for AP Calculus. This course is a fast-paced course that will really stretch students and prepare them for AP Calculus. Students who are taking this course as a junior can also take AP Statistics the same year. Please read more about these options and help your student make an informed decision. Student who have shown proficiency (Grades of A's/ B's/ C's) in Secondary 2 Honors should be ready for this course. Students will need a graphing calculator for this course. We suggest the TI 84 + edition. (silver, platinum or fashion colors not necessary). These are also available to rent for \$20 per semester in the library. Students need to have taken Secondary Math 2 Honors to be successful in this course. Course fee: \$15.

## CE Math 1010/1030 (5610/5620) Year (11-12)

Math 1010 is a developmental mathematics course designed to help students acquire intermediate algebra skills in preparation to take a quantitative literacy course.

Math 1030 is a quantitative literacy course of contemporary mathematics. Topics include geometry, statistics, probability, and growth and form. The prerequisites listed above are required by WSU and we have no control over these requirements. WSU—4 credit hours. Prerequisite: 1010: C or better in Secondary 1, 2, and 3, 3.0 GPA. 1030: Completion of Math 1010. Course fees: \$30.00 WSU Admission (one-time). \$5.00 per credit hour registration fee (\$20). Course fee: \$15.

## CE Math 1010/1050 (5610/5640) Year (11-12)

Math 1010 is a developmental mathematics course designed to help students acquire intermediate algebra skills in preparation to take a quantitative literacy course. We will cover 1050 material throughout 1010 that will not be covered in 1050 again.

Math 1050 students will receive credit for Math 1050 (4 college Semester credits) that is transferrable to other state institutions and most institutions outside of Utah. The prerequisites listed above are required by WSU and we have no control over these requirements. WSU – 4 credit hours. Prerequisite: 1050: ACT math score of 23 or 50 on ACCUPLACER, 3.0 GPA. Course fees: \$30.00 WSU Admission (one-time). \$5.00 per credit hour registration fee (\$20). Course fee: \$15.

## AP Calculus AB(5520) Year (10-12) Corequisite Calc AB Lab (5525) Year (10-12)

Students who successfully complete the course and pass the Advanced Placement Examination receive 8 semester hours of college credit at most universities. Topics covered include derivatives, integrals and their applications. The purpose of this course is to develop understanding of the concepts of calculus and provide experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically and verbally. Students are required to have a graphing calculator (TI8+, TI84+, or TI-Inspire is recommended). Students will need to take the lab class along with the course. Course fee: \$15

## AP Calculus BC (5530) Year (10-12) Corequisite Calc BC Lab (5525) Year (10-12)

Students who successfully complete the course and pass the Advanced Placement Examination receive 8 semester hours of college credit at most universities. Topics covered include derivatives, integrals and their applications. The purpose of this course is to develop understanding of the concepts of calculus and provide experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically and verbally. BC Calculus covers additional topics such as sequences and series. Students are required to have a graphing calculator (TI8+, TI84+, or TI-Inspire is recommended). ). Students will need to take the lab



class along with the course. Students must have taken Secondary Math 3 Honors who have shown proficiency to be successful in this course. Course fee: \$15

### **Corequisite Calc AB Lab/Corequisite Calc BC**

**Lab (5525) Year (10-12)** This course is designed as an enrichment course to AP Calculus AB and BC. It provides students with extra individual help and time to work on Calculus assignments. New material is not covered in the course. All AP Calculus students should enroll in Calculus Lab. Prerequisite: Enrollment in AP Calculus AB/BC. Students are required to purchase a graphing calculator (TI83+ or TI84+ recommended).

### **AP Statistics (5510) Year (10-12)**

Statistics is the study of data. This course analyzes data to find common features and departures from common features. Students who successfully complete the course and pass the Advanced Placement Examination receive 4 semester hours of college credit at most universities. Prerequisite: Secondary Math 3. Students are required to purchase a graphing calculator (TI83+ or TI84+ recommended). Course fee: \$15.

### **Corequisite Math Lab (Secondary 2/2 Honors) (5905) Year (10-12)**

This is a course that is taken along with a Secondary 2 or Secondary 2 Honors math course. The lab course is designed to help reteach, relearn and understand the material presented in the student's Secondary 2 math class. Students will get the opportunity to get help on math homework and work with peers to become more proficient. This course is based on attendance and requires students to be present in class. Students will get an elective credit for the course.

### **Corequisite Math SEC 3 Lab (Secondary 3/3 Honors) (5905) Year (10-12)**

This is a course that is taken along with a Secondary 3 or Secondary 3 Honors math course. The lab course is designed to help reteach, relearn and understand the material presented in the student's Secondary 3 math class. Students will get the opportunity to get help on math homework and work with peers to become more proficient. This course is based on attendance and requires students to be present in class. Students will get an elective credit for the course.

## **SCIENCE**

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### **Graduation Requirement: 3.0 credits with at least 2 from Biology, Chemistry, or Physics**

#### **AP Environmental Science (6330) (10-12) Year**

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science.

#### **Astronomy (6326) Semester (11-12) (3<sup>rd</sup> Year Science Credit)**

This course will provide the student with a study of the universe and the conditions, properties, and motions of bodies in space. The content includes, but is not limited to, historical astronomy, astronomical instruments, the celestial sphere, the solar system, the earth as a system in space, the earth/moon system, the sun as a star, and stars. Lab Fee: \$5.00

#### **Biology (6200) Year (10-12)**

General Biology is a core laboratory science that exposes students to topics in ecology, cellular chemistry and function, heredity and genetics, diversity of life, and change through time. Lab Fee: \$10.00

## **AP Biology (6230) Year (10-12)**

AP Biology is an intensive course designed to be the equivalent of an introductory biology course taken in college. The emphasis is on developing an understanding of biological concepts rather than an accumulation of facts. The student should understand and appreciate the science of biology as a process and a personal experience in scientific inquiry that develops their problem solving and critical thinking skills. This course also prepares the high school student to take the AP exam given in May. To pass the exam (usually this is with a score of 3 or higher), students must be highly motivated and driven to excel in this challenging course. The format for this class will be primarily lecture and lab, supported by interactive labs, hands on activities, and review. Lab Fee: \$10.00.

## **CE/CTE Biotechnology (7301) Year (12) (3<sup>rd</sup> Year Science Credit)**

This is a course designed to introduce students to lab protocols, lab equipment, good manufacturing practice (GMP), and technologies that support bioscience lab research and practice. Students are also introduced to career possibilities in the field of biotechnology. Students will learn how to operate lab equipment and interpret the results of PCR, Electrophoresis, lab cultures, and more. This is an up and coming field where all the new inventions are coming to better our lives! Testing for COVID19 is done with PCR and with technologies developed with biotechnology. This class is a major part of the Medical Innovations Pathway. Industry certificate upon completion and successfully completing an industry test. Industry partners hiring students right out of high school at \$18-25/hour! Industry partners offer tuition reimbursement to employees. Come be part of the future! Recommended: CTE Intro to Health Science and CE/CTE Medical Anatomy and Physiology completed or concurrently. (UVU 3 credits) UVU Concurrent Enrolment admission \$30 and tuition \$15 paid to UVU. Lab Fee \$120 Paid to Northridge.

## **Botany (6269) Semester (11-12) (3<sup>rd</sup> Year Science Credit)**

Botany is a semester class that surveys the plant world of tissues, roots, leaves, stems, trees, and flowers. The physiology, anatomy, and ecology of plant function and purpose is explored. Prerequisite:

Biology. Science elective credit. Prerequisite: Biology. Lab Fee: \$5.00

## **Chemistry (6400) Year (10-12)**

This introductory course is designed to investigate the basics of chemistry and the integral part that chemistry plays in everyday life. Students will develop an understanding of chemistry concepts in a variety of methods including laboratory experiences. All chemistry instructors follow the same curriculum, pacing, and grading scale. Lab Fee: \$10.00.

## **Lab Chemistry (6402) Sem (10-12)**

The AP chemistry laboratory is designed to support and illustrate chemical concepts studied in the lecture portion of the course, as well as to introduce important laboratory techniques and encourage analytical thinking. This course introduces the major concepts of chemistry, including the microscopic picture of atomic and molecular structure, periodic trends in the chemical reactivity, the energetics of chemical reactions, and the nature of chemical equilibria. This is an optional and supplemental laboratory that is added the second semester of the year. Strongly recommended for first time chemistry students. Honors chemistry students that want a chemistry plus experience may also take the second semester lab course. For honors students, time will be taken to study for the AP Environmental Exam.

## **Honors Chemistry (6401) Year (10-12)**

Chemistry investigates the physical and chemical study of matter with a special focus on properties of atoms & elements, interactions between atoms, & chemical reactions. Chemistry prepares the student to understand that the role of chemical reactions is important to everyday life, make informed decisions about the environment, and take AP Chemistry &/or college chemistry. The AP Environmental exam is offered at the end of the year for students who wish to earn college credit. All material for the exam will be covered in Honors Chemistry.

## **AP Chemistry (6430) Year (10-12)**

AP Chemistry is a course geared toward students with interests in chemical and physical sciences, as well as any of the biological sciences. The course aims to prepare students to take the AP Chemistry exam toward the end of the academic year. This AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the

first year of college. For most students, the course enables them to undertake, as a freshman, second year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. A special emphasis will be placed on the seven science practices, which capture important aspects of the work that scientists engage in, with learning objectives that combine content with inquiry and reasoning skills. AP Chemistry is a rigorous and academically challenging course. All years welcome. Pre-requisite: Secondary Math II, Honors preferred. Lab Fee: \$10.00. AP Test Fee: \$94 or \$47.

### **CE 1110 Chemistry (6450) Year (10-12)**

Chem 1110 is used as a prerequisite to enter many programs at the university level. Often known as nursing chemistry because it is required for a BSN in nursing. It is a high school chemistry and introductory university chemistry class. The pace is about 1/3 that if taken at the university. At the university 13 chapters, and 12 labs are covered in 12 weeks, at the high school we cover the same material over a year. We will be covering the same material as a High School Chemistry (Inorganic chemistry) class with the addition of three chapters of Organic Chemistry in the spring. So, this class is on the level of an honors chemistry class. CE 1110 is the first of a two-semester series. Taking Chemistry 1120 (Organic and Biochemistry) at a university finishes the requirement for a physical science lab class in general studies for most majors. CE Chem 1110 is what most universities give credit for passing the AP chemistry with greater than a 3. CE Chem 1110 gives an actual university grade that can be transferred to any university. If you are going into the medical field this is important because AP grades do not transfer to medical school. Because grades are university grades students need to be self-motivated and willing to do homework online as required by the university. WSU – 5 credit hours Prerequisite: 3.0 GPA.

Recommended: CTE Intro to Health Science  
Admittance to WSU \$30 Registration \$25 +  
Book/online homework \$95 (registration for the class and book Must be paid for through WSU to complete registration). Lab Fee \$30 (Paid to Northridge)

### **CTE Medical Forensics 1 (7313) Semester (11-12) (3rd Year Science Credit)**

This course is designed as an introduction to medical forensics. The focus is on introductory skills and assessment to develop the ability to identify, analyze,

and process logically using deductive reasoning and problem solving. Medical forensics involves many aspects of health science instruction including laboratory skills & safety, microscopy, measurement, physical evidence identification, anthropology, firearms and ballistics, trace evidence analysis – including fingerprint analysis, crime scene analysis, and career exploration. Industry certification upon successful completion of Medical Forensics 2 passing the CTE certification test. Recommended: CTE Intro to Health Science and CE/CTE Medical Anatomy and Physiology completed or concurrently. Class fee \$30.

### **CTE Medical Forensics 2 (7314) Semester (10-12) (3rd Year Science Credit)**

This course is designed as a continuation of Medical Forensics 1. The focus is on skills and assessment to develop the ability to identify, analyze, and process logically using deductive reasoning and problem solving. Medical forensics involves many aspects of health science instruction including laboratory skills & safety, microscopy, toxicology, measurement, physical evidence identification, pathology, anthropology, entomology, psychology, blood spatter analysis, autopsy analysis, and career exploration. Industry certification upon successful completion of Medical Forensics 1 and 2 and passing the CTE certification test.

Pre-requisite: Completion of CTE Medical Forensics 1  
Recommended: CTE Intro to Health Science and CE/CTE Medical Anatomy and Physiology completed or concurrently. Class fee \$30.

### **Physics (6500) Year (10-12)**

This course is an introductory algebra-based class that covers topics such as motion, force, energy, waves, sound, light, optics, electricity, and magnetism. This course will also include many hands-on labs. Pre-requisite: If the student is in 10th grade, concurrent enrollment of Secondary Math 2. If the student is in 11th or 12th grade, successful completion of Secondary Math 2. Lab Fee: \$10.00.

### **AP Physics C Mechanics (6532) Year (11-12)**

This is an advanced physics course for high school that is equivalent to the pre-engineering introductory physics course for university students. Emphasis is placed on the understanding of concepts and skills that are used to solve problems. Laboratory work is an important part of this class. Eligible students would be those who have completed calculus or who

are concurrently taking calculus. Any others would need to have instructor permission. Pre-requisite: Completion or concurrent enrollment of AP Calculus. Lab Fee: \$10.00.

### **AP Physics C Electricity and Magnetism (6533)**

Semester (11-12)

The Physics C: Electricity and Magnetism course is a one-semester, calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus are used throughout the course. Pre-requisite: Completion or concurrent enrollment of AP Calculus, and concurrent enrollment of AP Physics C Mechanics. Lab Fee: \$5.00

### **AP Physics 1 Algebra (6530) Year (10-12)**

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate

their understanding of Physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits, and mechanical waves and sound. AP Physics 1 is a full-year course that is the equivalent of a first-semester introductory college course in algebra-based physics. Pre-requisite: On grade level for math. Must be in Math Secondary 2 or above. Lab Fee: \$10.00.

### **Zoology (6262) Semester (11-12) (3<sup>rd</sup> Year Science Credit)**

Zoology is a semester class that surveys the animal world. The first term covers invertebrates (sponges, cnidarians, mollusks, arthropods, and echinoderms). The 2nd term covers vertebrates (fish, amphibians, reptiles, birds, and mammals). The physiology, anatomy, and ecology of animal groups are explored. Science elective credit. Prerequisite: Biology. Lab Fee: \$5.00.

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## **SOCIAL STUDIES**

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**Graduation Requirement 2.5 credits: .50 Geography, 1.0 World Civilizations, 1.0 U.S. History, .50 Government & Citizenship, Pass the US Citizenship Test**

### **World History (4540) Year (10)**

World History is a full year, required survey course for high school sophomores. Focusing on ancient history (8,000 BCE to 1500 CE) and modern history (1500 CE to the present), students will explore political, social, economic, environmental and belief systems that shaped historical events. Study of global events will promote critical thinking, analytical writing, and civic engagement.

### **AP World History- Modern (4591) Year (10-12)**

Students will explore key themes of world history, including interaction with the environment, cultures, state-building, economic systems, and social structures, from approximately 1200 C.E. to the present. Students will also learn to apply historical thinking skills including the ability to craft arguments from evidence; describe, analyze and evaluate events from a chronological perspective; compare and contextualize historical developments;

and analyze evidence, reasoning and context to construct and understand historical interpretations.

### **US History 2 (4550) Year (11/12)**

US History II is a full year, required course for high school juniors. Students study various political, social, geographic and economic developments from 1880 to the present day. Students analyze primary and secondary source materials, discuss current events and investigate change and continuity in American society. Critical thinking skills, effective communication and writing are emphasized.

### **CE US History (4555) Full Year (11/12)**

This course will investigate the changes in American History by events, trends, and movements. Students in this course will assess historical materials, weigh evidence, and interpret conclusions in essays. This course will fulfill the US History requirement. Concurrent Enrollment Fees apply.

## **AP US History (4593) Year (11-12)**

AP U.S. History is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the issues and materials of American history. It is a rigorous course that requires substantial reading comprehension and writing. The skills that will be developed include the ability to research, reason, analyze, and to develop clear, persuasive arguments in an essay format. College credit may be available based upon achievement on the AP test.

## **US Government & Citizenship**

### **(4560) Semester (12)**

US Government and Citizenship is a half year, required course. This course provides students with an introduction to American government and politics. This course will provide in-depth study of the Constitution, Supreme Court Cases, and the three branches of government and their interactions with each other. This course will comply with Davis School District DESK standards. Students will also take the required to graduate American Civics Education Initiative test during this class.

## **AP US Government and Politics/AP Comp**

### **(4594/4595) Year (11-12)**

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the

constitutional system and political culture of the United States. Students study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior.

## **American Pop Culture (4615) Semester (12)**

This class will study the development and characteristics of popular culture in American society from 1900 to the present day. We will study each decade and the role of popular culture in shaping life and key social institutions. The class will also look at how American popular culture has global effects. The class will examine key factors such as race, gender, class, age, and religion and how they are shaped and reflected in popular culture. The class will be project based and cover facets of popular culture from television, film, advertising, music, sports, fashion, the influence of technology, the arts and all forms of media. Although many aspects of popular culture are touched on in US History 2, this course will offer a more extensive examination and will allow students the opportunity to be exposed to new ideas and engage in critical thinking as it applies to popular culture. Analysis, evaluation, and formulating a position defended by evidence are all critical historical skills that will continue to be developed throughout this course. Students will be expected to utilize evidence from primary sources, develop historical arguments, formulate positions and analyze information and ideas.

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## **WORLD LANGUAGES**

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Graduation Requirement: Can fulfil part of the other 8.5 elective credits needed toward graduation

### **French 2 /CE French 2 (3220) Year (10-12)**

French 2 continues to develop the oral skills with added emphasis on reading and writing skills. Expansion of vocabulary and grammatical structures continues. Contrast between English and French strengthens the language-learning process. Culturally related activities of selected French-speaking countries or regions will be explored. The goal of this course is to produce speakers with novice-high proficiency. Prerequisite: French 1. Lab fee: \$10.00. (Optional) WSU – 3 credit hours. Course fee: \$30.00

WSU Admission (one-time) + \$5.00 per credit hour registration fee (\$15).

### **French 3/CE French 3 (3230) Year (10-12)**

French 3 is an expansion of French 2. It is designed to provide opportunities for the students beyond those available in the French 2 class-in listening, speaking, reading and writing. It stresses the development of the student from novice-high proficiency and aims to help the student move into the intermediate-low range of proficiency. The course includes cultural reading passages; it expands the use of grammatical constructions and vocabular and begins the

development of expository composition. Culturally related activities of selected regions or countries will be explored. Prerequisite: French 1 and 2. Lab fee: \$10.00. (optional) WSU – 3 credit hours. Course fee: \$30.00 WSU Admission (one-time) + \$5.00 per credit hour registration fee (\$15).

### **Spanish 1 (3110) Year (10-12)**

Spanish I is an introduction to the Spanish world, its language and its people. The main emphasis is on oral skills while developing reading and writing skills. Students will develop a cultural appreciation of the Spanish-speaking world. The goal of this course is to produce speakers with a novice-mid proficiency. Prerequisite: None. Course fee: \$10.00.

### **Spanish 2 /CE Spanish 2 (3120) Year (10-12)**

Spanish 2 continues to develop the oral skills with added emphasis on reading and writing skills. Expansion of vocabulary and grammatical structures continues. Contrast between English and Spanish strengthens the language-learning process. Culturally related activities of selected Spanish-speaking countries or regions will be explored. The goal of this course is to produce speakers with novice-high proficiency. Prerequisite: Novice-mid proficiency. Lab fee: \$10.00. (optional) WSU – 3 credit hours. Course fees: \$30.00 WSU Admission (one-time) + \$5.00 per credit hour registration fee (\$15).

### **Spanish 3 /CE Spanish 3 (3182) Year (10-12)**

Spanish 3 is an expansion of Spanish 2. It is designed to provide opportunities for the students beyond those available in the Spanish 2 class in listening, speaking, reading and writing. It stresses the development of the student from novice-high proficiency and aims to help the student move into the intermediate-low range of proficiency. The course includes cultural reading passages; it expands the use of grammatical constructions and vocabulary and begins the development of expository composition. Culturally related activities of selected regions and countries will be explored. Prerequisite: Novice-high proficiency. Lab fee: \$10.00. (optional) WSU – 3 credit hours. Course fees: \$30.00 WSU Admission (one-time) + \$5.00 per credit hour registration fee.

### **Spanish 4 /CE Spanish 4 (3183) Year (10-12)**

Spanish 4 is an expansion of Language III. It is designed to provide tenth, eleventh and twelfth grade talented language student some opportunities beyond

those offered in other language classes. The course utilizes higher-level/critical thinking skills and focuses on the development of intermediate-mid proficiency in oral skills, comprehension of Spanish literature and history, expository composition, and expanded use of grammar and vocabulary. The focus of this course is intermediate-mid proficiency. Prerequisite: Intermediate-low. Lab fee: \$10.00. (optional) WSU 3 credit hours. Course fee: \$30.00 WSU Admission (one-time) + \$5.00 per credit hour registration fee (\$15).

### **Spanish for Spanish Speaking (3190) Year (10-12)**

This course is designed for students who have grown up speaking Spanish. The course begins the development of reading, writing, speaking, and critical thinking skills in Spanish. Students are introduced to Spanish and Latin American literature via a panoramic view of both classic and contemporary works. Students are empowered through self-expression in writing and speaking, and self-esteem is enhanced through appreciation of Latino literature and culture.

### **AP Spanish (3170) Year (10-12)**

Class is conducted in at least 90% Spanish by both teacher and students. The target proficiency for this course is intermediate mid. Intermediate mid students can handle a wider variety of uncomplicated tasks in straightforward social interactions. Topics covered include beauty and aesthetics, contemporary life, families and communities, global challenges, personal and public identities, and science and technology. Students will become more adept in gaining meaning from context and supporting opinions with concrete examples. Higher level thinking and critical thinking skills, as well as expository writing skills are utilized in this course. AP exam fee: \$95.00

### **German 1 (3410) Year (10-12)**

GERMAN 1 (Novice Mid) (4720) Year 10, 11, 12  
Elective Credit German 1 is an introduction to the language and culture of the French-speaking world. The focus on this class is proficiency in 26 speaking, reading, writing and listening. Because the focus is on what you can do with the language, this class is taught in at least 90% German. By the end of the year you'll be able to communicate using lists of words, memorized phrases and some created sentences. The topics covered fall into the following categories:



Health & Wellness, Time, Relationships, Welcome to the World.

### **German 2 (3420) Year (10-12)**

German 2 continues to develop the oral skills with added emphasis on reading and writing skills. Expansion of vocabulary and grammatical structures continues. Contrast between English and Spanish strengthens the language-learning process. Culturally related activities of selected Spanish-speaking countries or regions will be explored. The goal of this course is to produce speakers with intermediate-low proficiency. Prerequisite: German 1. Course fee: \$10.00.

### **German 3 (3430) Year (10-12)**

Prerequisite: Based on competency placement  
German 3 continues to expand your ability to communicate. Proficiency continues to be the crux of the class. The class is taught in at least 90% German.

The overall goal of this year is to get students expressing their thoughts using original sentences. The topics covered fall into the following categories: Health & Wellness, Time, Relationships, Welcome to the World.

### **German 4 (3440) Year (11-12)**

Prerequisite: Based on competency placement  
This is designed to be a Pre-AP class. German 4 expands your ability to communicate with the language even more. Proficiency will always be the focus of the class. The goal of this year is to be able to create your own sentences and begin to form them into ordered paragraphs with clear beginnings, middles, and ends. The topics covered fall into the following categories: Personal and public identities, Families and communities, Beauty and aesthetics, Science and technology, Global challenges and Contemporary life.

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## **ADDITIONAL ELECTIVES**

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Graduation Requirement: Can fulfil part of the other 8.5 elective credits needed toward graduation

### **AIR FORCE/JROTC**

#### **JROTC 1 - Communication, Awareness, and Leadership/Aviation History/Cultural Studies (671) Year (10-12)**

This course is intended for students who are entering the AFJROTC program and beginning their high school studies. This course stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. It also includes aviation history focusing on the development of flight throughout the centuries. Additionally, it delves into the world's cultures through the study of world affairs, regional studies, and cultural awareness. This course will count as the World History requirement for sophomores.

#### **AFJROTC 2 - Leadership/The Science of Flight (672) Semester (10-12)**

This course will introduce cadets to history, organization, mission, traditions, goals, and objectives of JROTC for all services. Additionally, it will introduce students to how airplanes fly, how weather conditions affect flight, the human body, and flight navigation. This course will count towards the US Government and Citizenship graduation requirement, students will need to pass the US Citizenship test.

#### **AFJROTC 3 - Life Skills and Career Opportunities/Exploring Space (673) Year (11-12)**

This course provides an essential component of leadership education for today's high school students. This course it is designed to prepare students for life after high school in the high-tech, globally oriented, and diverse workplace of the 21st century. It also includes the latest information available in space science and space exploration.



## AFJROTC 4 - Principles of Management/Cadet Leadership (Top Staff) (674) Year (12)

This course provides exposure to the fundamentals of management. The text contains many leadership topics that will benefit students as well as provide them with some of the necessary skills needed to put into practice what they have learned during their time in AFJROTC. It is also intended for cadets who hold corps management/leadership positions. This hands-on experience affords cadets the opportunity to put theories of previous leadership courses into practice.

## AFJROTC 5 – Special Operations (655) Semester (10-12)

Special Operations is an Air Force JROTC wellness program and competition team. This course provides study on overall physical health through exercise and nutrition. In addition, the course prepares cadets physically and mentally to compete in a variety of physical fitness competitions. This course will count towards an PE credit.

## CREATIVE WRITING & COMMUNICATION

### Creative Writing 1 (4335) Semester (11-12)

This is an in-depth study of various creative writing modes, including poetry, novels, short stories, and creative nonfiction. In this course, students will read and write a variety of pieces to develop their skills. Students taking this course should have a love of writing that will help sustain them through the advanced coursework offered here. (English Credit—12 only OR Elective Credit)

### Communication CE 2110 (714) Semester (12)

This course will provide students with a basic knowledge of interpersonal and small group communication. The focus of the course is how humans establish and maintain relationships through communication, especially in the group context. Students will learn communication skills, which may allow them to improve relationships in their school, work, and personal lives. Students participate in a variety of learning activities, including class and group discussions, communication skill practice, essay writing, a group service-learning project, and group presentations. WSU— 3 credit

hours. Course fees: \$30.00 WSU Admission (one-time). \$5.00 per credit hour registration fee (\$15).

## Speech 2 CE COMM Public Speaking 1020

### (4380) Semester (11-12)

Communications 1020 explores the dynamics of verbal communication. The emphasis is on practical application of course content. Demonstration of skills learned takes place in class as well as in Model UN competition. SLCC – 3 credit hours. Course fee: \$35.00 SLCC Admission (one-time). \$5.00 per credit hour registration fee (\$15).

## DEBATE

### Debate 1 (4385) Semester (10-12)

This course is for students with an interest in competitive speech and debate. Students do not need to be skilled or accomplished at speech or debate to take this class. The course teaches the rules and requirements for all competitive speech and debate events, and students will try each of the events in class. Students will improve their reading, writing, research, and speaking skills. Speech and debate is beneficial to students in their other classes, looks great on resumes and college applications, and is a lot of fun. Prerequisites: None. Requirements: Students are required to compete in tournaments October-January. Class members are on the Northridge Speech and Debate team. Students must be eligible to compete: No F's or U's and 2.0 GPA. Course fee: \$70.

### Debate 2 (4390) Semester (10-12)

This course is for students who have worked hard and been successful in Debate 1. Students will prepare for Region, State, and National Qualifying tournaments. Additionally, students will prepare for and compete at two Model United Nations conferences. This class will also provide more in-depth instruction on concepts and skills learned in Debate 1. Prerequisites: Debate 1 and teacher approval. Requirements: Students are required to compete in tournaments January-April. Students must be eligible to compete: No F's or U's and 2.0 GPA.

## DRIVERS EDUCATION

### Drivers Ed / Knight's Pride (1100) Semester (10-12)

This course is required of all students before obtaining a Utah Driver's License. The course includes four phases of the program; classroom, street smarts, range, and the road training. The road training and range will be taught before school, after school, Saturdays, and in the summer. It is anticipated that everyone passing all phases of the program will be able to obtain their driver's license on or near their 16th birthday. It is recommended that the students have their learners permit before taking the class as they may NOT begin the driving portion until they have received their learners permit, though it is not a requirement. (The learners permit test will not be given in class; they must obtain it at the DMV).

First semester is for those students who turn 16 years of age before Feb. 29 of the following year. Second semester is for those students who turn 16 years of age between March 1 and August 31 of that same year. The quarter opposite Driver's Education will be our KNIGHT'S PRIDE class, students will be doing online courses of their choosing.

## EDUCATION

### Teaching as a Profession II (7216) Semester (10,11)

Get hands on experience of how an educator uses coaching and leadership skills to successfully manage a classroom. Learn about the role of an educator in the classroom and instructional strategies. Learn and observe differentiated instruction and how it affects student learning. Create an environment where students are encouraged and empowered to become lifelong learners. Practice the art of creating

instructional activities to inspire students to enjoy learning.

### Teaching as a Profession 3 (7217) Semester (11,12)

This is the third course in the Teaching as a Profession Career Pathway. Students are required to complete 18 hours of classroom observations at the elementary, junior high, and high school levels. Students are required to provide their own transportation for these observations. Coursework includes career exploration, instructional planning, discussion of social, cultural, economic, and political influences on education, and exploration of educational technology. Students will interact with education professionals from various backgrounds, including post-secondary. Students will also participate with the Educators Rising CTSO. WSU—3 credit hours. Course fees: \$30 WSU Admissions (one-time) \$5 per credit hour registration fee (\$15) \$5 course supply fee.

### Mathematics Para-Educator (197) Semester (11,12)

The mathematics Para-Educator program provides an opportunity for each student to gain a realistic experience within the teaching profession. In your assigned classroom, you will be providing academic support to students. This support will mostly be in the form of small group instruction and/or one-on-one instruction. Para-Educators must accept the responsibility of being a peer role model in the classroom and will be held to high standards. Para-Educators will also complete training in various areas related to peer tutoring for both groups and individuals. As part of this training, you will learn about guidelines, best practices, learning styles, questioning techniques, and have opportunities to directly apply this knowledge in your practical experience.

## OFF CAMPUS PROGRAMS

Davis Technical College/Ogden Weber Technical College—[Click here to see extended descriptions of courses at the DTC](#)

### DTC/UTEC 2021 COURSE LIST

8001	UTECH ACCOUNTING ADV	8047	UTECH HEALTH INFO TECH
8002	UTECH ASE CHASSIS MLR	8049	UTECH INDUST MAINT TECH/AM STEM
8004	UTECH BARBERING	8055	UTECH INTRO AUTOMOTIVE
8005	UTECH BASIC ESTI/SKIN CARE	8060	UTECH INTRO CONST
8006	UTECH BUSINESS OFF SPE	8063	UTECH MACHINING 1
8008	UTECH CAD ARCH DESIGN 1	8064	UTECH MACHINING 2
8009	UTECH CAD MECH DESIGN 2	8066	UTECH MFR PRIN 1
8010	UTECH COMPOSITES I	8067	UTECH MFR PRIN 2
8013	UTECH COMPUTER SCI PRI	8068	UTECH MFR PRIN 2
8018	UTECH COSMETOLOGY	8070	UTECH MEDICAL ASSIST
8020	UTECH CULINARY ARTS	8075	UTECH MANICURIST
8025	UTECH CYBRSEC ETHIC HA	8078	UTECH NURSE ASSIST CNA
8030	UTECH DENTAL ASSISTANT	8081	UTECH PLASTIC INJ. MOLDING
8035	UTECH DIESEL 1 TECH	8080	UTECH PHARMACY TECH
8040	UTECH ELECTRICIAN 1	8083	UTECH PLUMBING 1
8044	UTECH EMT	8086	UTECH SOFTWARE DEV
8045	UTECH FIRE SCIENCE	8093	UTECH WEB DEV 1
8048	UTECH HVAC	8095	UTECH WELDING TECH 1
		8097	UTECH WELDING TECH 2

8049 AM STEM COURSE- The name for AM STEM course is really called -  
Automation Engineer Technology/Technician.

### Cosmetology and Apprenticeships –Semester/ Year (12)

The Off-Campus programs are offered to students who have decided on a possible career path and who have taken all the course offerings available at the high school. The student must be on-line for graduation and have made up any F's and/ or U's. Students should contact their counselor for more information. (Avalon, Paul Mitchell, Davis Technology College – (See the On-line catalog <https://www.davistech.edu/programs> ), Ogden Weber Technology College – (See the On-line catalog <https://www.otech.edu/> ))—See your counselor, Mrs. Davidson or Mrs. Wootton in the Career Center for more information.

## OTHER ELECTIVES

### Creative Writing 1 (4335) Semester (11-12)

This is an in-depth study of various creative writing modes, including poetry, novels, short stories, and creative nonfiction. In this course, students will read and write a variety of pieces to develop their skills. Students taking this course should have a love of writing that will help sustain them through the advanced coursework offered here. (English Credit—12 only OR Elective Credit)

### Peer Tutor (213) Year (10-12)

This course is designed to provide students with the opportunity to tutor, and assist students with disabilities through activities, projects, and assignments, as well as help them understand a variety of disabilities and individual circumstances.

### Audio Visual Team Stage Craft (230) Year (10-12)

This is a course in technical theatre. Students gain a working knowledge of the stage facilities including public address systems, lights, sound and miscellaneous operations and will assist in their operation during rehearsal and performance of School Plays. Students are responsible for design and production of scenery for Theatre productions. This course requires some out of school time participation. Students must complete an application with teacher before registration will be allowed. Students will run all events and be responsible for the upkeep of the auditorium. There is opportunity for students to be paid running events after school. Prerequisite: Permission of Instructor. Course fee: \$10.

## PSYCHOLOGY

### Psychology (4570) Semester (10, 11, 12)

This is a semester course designed for juniors and seniors to provide an insight into the complexities of human behavior and the process of the mind. Topics include, but are not limited to, theories of psychology as a science, learning, and memory. Emphasis is placed upon improvement of communication skills, an understanding of the processes of human behavior, and mental process.

### AP Psychology (4598) Year (10-12)

**Prerequisite:** This is a college level course for juniors and seniors and will cover the material traditionally covered in the introductory psychology course. Topics include, but are not limited to, theories of psychology as a science, learning, and memory. Instruction will aid the students by developing and emphasizing writing skills, critical thinking, and creating a knowledge base to successfully complete the AP test. College credit may be available based upon achievement on the AP test.

### Sports Psychology (4572) Semester (10-12)

This course explores the mental and psychological factors that affect athletic performance. You will learn tools you can directly apply to your own performance to achieve excellence in your sport. The course curriculum will include Mental Toughness, Dealing with Anxiety and Pressure, Getting Psyched Up, Mental Conditioning, Motivation, Visualization and Imagery, Relaxation, Goal Setting, Avoiding Choking, Attitude, Positive Thinking, Focus, and Leadership. Most of the assignments will involve you applying what you learn to your own training in your own sport.

## RELEASED TIME

### Released Time / Seminary (850) Semester (10-12)

Students will be placed in this released time course in concert with registration through their respective religious affiliation.

## YEARBOOK

### Yearbook / Digital Graphics Arts Intro (4365) Year (10-12 Grades)

Students taking these courses publish the Northridge High School yearbook. As members of the Squire staff, students should be responsible, reliable, self-motivated, creative, and enthusiastic. Students with skills in writing, design, photography, and business management are welcome. Students will be introduced to graphic design through assignments related to the publishing of the Yearbook.

**Requirements:** 3.0 GPA, no U's. Limited enrollment based on application, teacher referrals, interview, and teacher approval. **Prerequisite:** Permission of instructor Application Required. CTE Credit

## IVC COURSES

### American Sign Language 1 (4850) Year (10-12)

Introduction to the language and culture of the Deaf; Emphasis on communication in regard to expressive and receptive skills; Basic components of the language including vocabulary, fingerspelling, and grammar; Introduction to Deaf Culture and history; No knowledge of ASL required; however class is conducted in ASL

### CE US History (4555) Full Year (11/12)

This course will investigate the changes in American History by events, trends, and movements. Students in this course will assess historical materials, weigh evidence, and interpret conclusions in essays. This course will fulfill the US History requirement. Concurrent Enrollment Fees apply.

### CE US Government & Citizenship (4566) Semester (12)

The goal of this course is to foster informed and responsible participation in federal, state, and local government. Student will be able to explain and analyze major ideas, protections, privileges, structures, and economic systems pertaining to American citizens. AP US Government & Politics or CE Us Government will also satisfy this requirement. Must pass US Citizenship Test

## CONCURRENT ENROLLMENT

### What is Concurrent Enrollment:

Concurrent enrollment is an opportunity to receive required credits for high school graduation, while also earning credits towards a post-secondary educational goal. Also, Concurrent Enrollment provides students with the opportunity to earn college credits at a significantly reduced rate when compared with standard tuition rates.

### How does it work?

Students take college classes in the high school from high school faculty members who are certified by the partnering university to be qualified adjunct faculty. As in a traditional student-university relationship, students are required to be admitted to the university, and then must register for courses. Concurrent Enrollment students can earn up to 30 credits in one academic year.

### How much does it cost?

Students will be required to pay a tuition of \$5 per credit, at the time of registration. There is also a one-time application fee of \$30 (WSU), \$35(SLCC) or \$40(UVU). Students never have to pay that fee again - ever. Students may also be required to purchase books and other supplies.

### Courses currently offered at Northridge High School:

Course Name	NHS #	Institution Number	University Course Name	Cr
Ad Roles/ Fin Lit	7452	WSU CHF 2400	Marriage & Family Relationships	3
CE Art 1030 Studio Art	2130	WSU ART 1030	Studio Art for Non-Major	3
CE Art History 1010	2132	WSU ART 1010	Introduction to Visual Art	3
Biotechnology CE	7301	UVU BTEC 1010	Fundamentals of Biotechnology	3
Business Management	7525	WSU BSAD 1010	Business Management	3
Business Office Specialist	7530	WSU WEB 1700	Intro to Computer Applications	3



Course Name	NHS #	Institution Number	University Course Name	Cr
CE 1110 Chemistry/Chem Lab	6952	WSU CHEM 1110 &1110L	Elementary Chemistry	5
CE 2110 Communications	4290	WSU COMM 2110	Interpersonal & Small Grp Comm	3
MT MAP	7310	WSU HTHS 1101	Medical Terminology	3
CS MAP	7311	WSU HTHS 1120	Case Studies in Health Science	3
Customer Services	7532	WSU PS 1403	Intro to Client Care	3
CE Dance 1010	1280	WSU DANCE 1010	Introduction to Dance	3
Digital Graphic Arts	7755	UVU DGM 1110	Digital Media Essentials	4
Intro/Digital Media 1	2131	WSU ART 1110	Drawing I	3
Drawing	4295	WSU ENG 1010	Introductory College Writing	3
CE English 1010	4300	WSU ENG 2010	Introductory College Writing	3
CE English 2010	4305	WSU ENG 2200	Introduction to Fiction	3
CE English Lit 2200	7542	WSU ENTR 1002	Introduction to Entrepreneurship	3
Entrepreneurship	7305	WSU AT 2175	Introduction to Sports Med	3
Ex Sports Medicine	7440	WSU PS 1503	Intro to Fashion Merchandising	3
Fashion Design Studio	7463	WSU NUTR 1020	Science and Application of Human Nutrition	3
Found of Nutrition CE	3226	WSU FRCH 1010	First Year French	3
CE French 2	3236	WSU FRCH 1020	Second Year French	3
CE French 3	7765	WSU CS 1010	Intro to Interactive Entertainment	3
Gaming Development	7417	WSU CHF 1500	Human Development	3
Human Development.	7449	WSU IDT 1010	Intro Interior Design	3
Interior Design 2	7303	WSU AT 2300	Emergency Medical Response	3
Emergency Medical Response	7642	WSU AUSV 1000	Intro to Automotive	2
Intro to Auto Service	7217	WSU EDUC 1010	Exploring Teaching	3
Teaching Profession 3	7888	WSU PDD 1010	Intro Engineering/Tech Design- PLTW	3
Intro to Engineering Design (IED) PLTW	2510	WSU THEA 1013	Introduction to Theatre/Survey to Theatre	3
Intro to Theater	7648	WSU AUSV 1021	Automotive Braking System 1	2
ASE Brakes	7650	WSU AUSV 1022	Steering Suspension System 1	2
ASE Steering/ Suspension	7654	WSU AUSV 1120	Automotive Engines Part 1	2
ASE Engine Performance	7652	WSU AUSV 1320	Automotive Electronics Part 1	2
ASE Electronics	7561	WSU PS 1303	Sales Channels	3
Marketing 2	5610	WSU MATH 1010	CE Math 1010	4
CE 1010 Math	5620	WSU MATH 1030	CE Math 1030	3
CE 1030 Quant Reason	5640	WSU MATH 1050	CE Math 1050	4
CE 1050 College ALG	2322	WSU Music 1010	Music 1010 CE	3
CE Intro to Music	7890	WSU ENGR 1000	Introduction to Engineering	2
Prin of Eng 1 PLTW	7565	WSU PS 1890	Coop Work Experience	2
Retailing	3181	WSU SPAN 1010	First Year Semester	3
CE Spanish 1010	3136	WSU SPAN 1020	Second Year Semester	3
CE Spanish 1020				



Course Name	NHS #	Institution Number	University Course Name	Cr
CE Spanish 2010	3146	WSU SPAN 2010	Second Year Spanish 2	3
Speech 2	4380	SLCC Comm 1020	Principles of Public Speaking	3
Web Development 1	7795	WSU WEB 1400	Web and User Experience	3

## ADVANCED PLACEMENT COURSES

The following Advanced Placement (AP) courses are offered here at Northridge High School:

- AP Language
- AP Literature & Composition
- AP Calculus AB
- AP Calculus BC
- AP Capstone
- AP Statistics
- AP World History
- AP American History
- AP US Government & Politics
- AP Biology
- AP Chemistry
- AP Environmental Science
- AP Physics 1
- AP Physics C
- AP Computer Science
- AP Psychology
- AP Spanish
- AP Studio Art 2D
- AP Studio Art 3D
- AP Studio Art Drawing

## CERTIFICATE OF COMPLETION INFORMATION

### What is the Certificate of completion?

- A letter from Weber State University stating all General Education Requirements are fulfilled
- The LOC can be presented to any State University or College and their GE requirements are waived, even if they are different.
- Approximately 39 college credits from both AP and CE classes

### What classes need to be completed?

[Certificate of Completion Checklist](#)

### What can 9th grade students do to start earning the Certificate of Completion?

- Take AP Human Geography
- Take AP Environmental Science
- Work hard to pass all AP exams

### What can 10th grade students do to stay on track to earn the Certificate of Completion?

- Meet with your High School Counselor and create a plan to earn the LOC
- Take any or all of the following:

- AP World History
  - AP Psychology
  - Interior Design 1 and 2
- Pass all AP exams
- Earn at least a C grade in CE classes
- Take the Interest Profiler on [Utahfutures.org](http://Utahfutures.org) and identify several options for a college major

Students considering college majors with competitive admission should be earning A's

### **What can 11th grade students do in preparation for earning the Certificate of Completion?**

- Meet with your Counselor in a College and Career Readiness (CCR) appointment and check progress on your plan
- Complete at least Secondary Math 3 (Students with a STEM major should take Honors)
- Narrow your list of potential college majors
- Meet with your Counselor and make sure all required classes for graduation and for the LOC are in your schedule
- Have AP scores transferred to college credit at Weber State University

### **What can 12th grade students do to finish earning the Certificate of Completion?**

- Solidify your college major (This is a must, considering you will enter college as a Sophomore and will need to declare a major on day one)
  - Take the right math class for your chosen college major (STEM majors should take AP Calculus or at a minimum, CE Math 1050)
  - Meet with your Counselor and make sure all required classes for graduation and for the Certificate of Completion are in your schedule
  - Have AP scores transferred to college credit at Weber State University
- Visit Weber and have them issue your Certificate of Completion

**CTE High School Class  
Offerings 2021-22  
2nd Semester**

Class Name	Course	Grade	Periods Offered				Prerequisite	Course Description
Family & Consumer Science								
Baking & Pastry	7467	10-12		3-4 A		7-8B		
Culinary Arts 2	7468	10-12	1-2 A		5-6 B			<a href="#">Culinary Arts</a>
Health Science								
CE Medical Scholars	7327	11-12		3-4 A				<a href="#">NUAHEC</a>
Pharmacy Technician			Coming Fall 2022					
Medical Assisting			Coming Fall 2022					
Business & Marketing								
Business & Marketing Capstone	7510	11-12	1-2 A	3-4 A		7-8 B	Marketing 1	<a href="#">Capstone</a>
Informational Technology								
Cybersecurity			Coming Fall 2022					
LINUX			Coming Fall 2022					
Skilled & Technical Sciences								
Unmanned Aerial Systems	7660	10-12	1-2 A		5-6 B	7-8B		<a href="#">UAS</a>
CE Intro to Geographical Information Systems	7722	11-12		3-4 A				<a href="#">Intro to GIS</a>
Audio Essentials 1	7610	10-12			5-6 B	7-8 B		Audio 1
Audio Essentials 2	7612	10-12	1-2 A				Audio Essentials 1	Audio 2
Video Production 1	7603	10-12	1-2 A		5-6 B			<a href="#">Video 1</a>
Video Production 2	7604	10-12		3-4 A			Video Productio n 1	<a href="#">Video 2</a>
Work-Based Learning								
CTE Internships	7912	11-12	Availability All Periods					

**All courses at the CTE High School are double-blocked.  
Students will have transportation provided to and from their home  
high school.**