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GRADUATION REQUIREMENTS

For a student to earn a Mazama High School diploma, he/she must pass a minimum of 18.5 credits of required courses, 5.5 credits of elective courses, complete a senior project, and meet or exceed Oregon Essential Skills in all three areas.

<table>
<thead>
<tr>
<th>CREDITS</th>
<th>English:</th>
</tr>
</thead>
<tbody>
<tr>
<td>English - 4</td>
<td>4 credits are required in this course of study. Adv English III must be applied for during a</td>
</tr>
<tr>
<td>MATH - 3</td>
<td>student’s sophomore year. Adv English IV must be applied for during the student’s junior year.</td>
</tr>
<tr>
<td>SCIENCE - 3</td>
<td></td>
</tr>
<tr>
<td>SOCIAL STUDIES - 3</td>
<td></td>
</tr>
<tr>
<td>PHYSICAL EDUCATION - 1</td>
<td></td>
</tr>
<tr>
<td>HEALTH - 1</td>
<td></td>
</tr>
<tr>
<td>FINE/APPLIED ARTS - 3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Senior Project/Oral Board - .5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>· Personal Education Plan</td>
</tr>
<tr>
<td></td>
<td>· Career Related Learning Experiences</td>
</tr>
<tr>
<td></td>
<td>· Extended Application/Senior Project</td>
</tr>
</tbody>
</table>

**Essential Skills Proficiency:**
Must meet English/ Language Arts Smarter Balanced Assessment or have 2 passing work samples in reading, and 2 passing work samples in writing. Must meet Math Smarter Balanced Assessment or 2 work samples.

Minimum Required Credits = 18.5
Minimum Elective Credits = 5.5
Minimum Credits for Graduation = 24

**Physical Education/Health:**
1 credit of PE, and 1 credit of Health are needed. Students take Health 1 during their Freshmen year and Health 2 during their Junior year.

**Fine/Applied Arts:**
3 credits are required in this course of study to be selected from the following course areas: Foreign Languages, Culinary Arts, Business Education, Manufacturing, Automotive, Visual Arts, and the Performing Arts.

**Electives:**
5.5 credits are required in this course of study. Once you have completed the required credit in each of the above areas of study you will then receive elective credit for additional course taken. Elective credits can be earned in other areas as well.
REGISTRATION GUIDELINES

Students will be enrolled using the following guidelines; these guidelines should be considered the minimum number of courses to be enrolled in:

- **9th** Must be enrolled in 7 classes, 7 of which are graded on an A-F system.
- **10th** Must be enrolled in 7 classes, 7 of which are graded on an A-F system.
- **11th** Must be enrolled in 7 classes, 6 of which are graded on an A-F system.
- **12th** Must be enrolled in 7 classes, 6 of which are graded on an A-F system.

DROPPING/ADDING COURSES

Students will be discouraged from changing their schedules once the semester has begun. Requests for schedule changes will NOT be granted after the first two weeks of the semester. Students dropping a class after the first three weeks will receive an F for the semester. Schedule changes during the first two weeks will be considered based on:

- a. placement
- b. class sizes
- c. building procedures
- d. schedule openings

Any exceptions will be determined by the administration.
HONOR DIPLOMA REQUIREMENTS

Requirements for an Honor Diploma are:

- 28 credits minimum
- Minimum 24 graded credits
- District diploma requirements met
- 3.5 cumulative GPA (first seven semesters)
- 4.0 credits math, Algebra 1 & higher
- 4.0 credits science
- 2.0 credits in the same foreign language
- 8.0 or more credits (from below list) in advanced, honors, or college level classes.

The following courses qualify towards a Mazama High School Honor Diploma.

<table>
<thead>
<tr>
<th>English</th>
<th>Science</th>
<th>Math</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adv English I</td>
<td>Adv Chemistry</td>
<td>Math 111/112</td>
</tr>
<tr>
<td>Adv English II</td>
<td>Anatomy</td>
<td>Math 251/252</td>
</tr>
<tr>
<td>Adv English III</td>
<td>Forensics</td>
<td>Math 105</td>
</tr>
<tr>
<td>Adv English IV</td>
<td>Physics</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Social Studies</th>
<th>Honor Electives</th>
<th>Honor Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adv Psychology</td>
<td>Accounting 1/2</td>
<td>Adv Animal Science</td>
</tr>
<tr>
<td>American History Honors</td>
<td>Auto 3/4</td>
<td>Adv Sculpture</td>
</tr>
<tr>
<td>Justice in America</td>
<td>College Now</td>
<td>Adv Visual Art</td>
</tr>
<tr>
<td></td>
<td>German 3/4</td>
<td>Armed Forces 3/4</td>
</tr>
<tr>
<td></td>
<td>Health Occupations 1/2</td>
<td>Culinary Leadership</td>
</tr>
<tr>
<td></td>
<td>Manufacturing 3/4</td>
<td>Basin Internship</td>
</tr>
<tr>
<td></td>
<td>Robotics 3/4</td>
<td>Foreign Exchange Yr</td>
</tr>
<tr>
<td></td>
<td>Spanish 3/4</td>
<td>Marketing 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Student Gov’t Officer</td>
</tr>
</tbody>
</table>

An Honor Diploma is required for all valedictorians and salutatorians. Students interested in working towards an Honor Diploma should contact their counselor. In the event that no student earns an Honor Diploma, Valedictorian and Salutatorian will be determined by GPA only.
Diploma to Degree is an exciting program connecting student experience in high school to a business management degree at Oregon Tech. Students at Mazama who are active participants in FBLA and take dual credit courses can apply for this accelerated pathway to a college degree. Mazama graduates in the program who enroll in an Oregon Tech Business Management program are eligible to qualify for tuition scholarships for their first and last terms at Oregon Tech.

The program guides students into early credit opportunities while at Mazama, resulting in considerable savings of time and money with seamless transfer and zero loss of credit for those who pursue a business degree at Oregon Tech. The ultimate goal of the program is to promote a business foundation, leadership skills, academic preparation, and successful transition into college, regardless of the pathway high school graduates take to the degree of their choice.

Benefits of Participating:

- Accelerated completion of an Oregon Tech business degree by applying up to 45 dual credits from high school
- Business Honors Scholarship based on dual credit transferred into an Oregon Tech business program
  - 12 credits – 1st term at Oregon Tech FREE
  - 20 credits – 1st and last terms at Oregon Tech FREE
  - Eligible to apply for additional scholarships
- Jump into Business Day at Oregon Tech each spring
- Comprehensive education planning for a smooth transition into college. Includes career exploration, college prep, and one-on-one advising provided by Oregon Tech faculty and staff

Requirements:

- Participate in FBLA
- Enroll in BUS 101 and other dual credit courses while at Mazama
- Maintain a 3.0 GPA

See pages 7 and 8 for all of the dual credit courses offered at Mazama High School. If there are any questions, please contact Sergio Cisneros or Benji Henslee.
## PATHWAY CHECKLIST: Students must complete 4 credits of courses within their chosen pathway and 9 OIT credits from below (B or higher).

<table>
<thead>
<tr>
<th>SCIENCE</th>
<th>TECHNOLOGY/ENGINEERING</th>
<th>MATH</th>
<th>MEDICAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>Video Production/Digital Media 1/2 (A)</td>
<td>Personal Finance (A) *</td>
<td>Psychology (A) *</td>
</tr>
<tr>
<td>Forensics (A/B)</td>
<td>Robotics 1/2 *•3••4•••</td>
<td>Physics (A/B)</td>
<td>Advanced Psychology (B) *</td>
</tr>
<tr>
<td>Anatomy (A/B) *</td>
<td>Physics (A/B)</td>
<td>Math 98/105 *</td>
<td>Health Oc 1 *</td>
</tr>
<tr>
<td>Adv Chem (A/B) *</td>
<td>Computer Applications (A)*</td>
<td>Pre Cal*</td>
<td>Health Oc 2 *</td>
</tr>
<tr>
<td>Physics (A/B)</td>
<td>Engineering Design (A)*</td>
<td>Calculus*</td>
<td>Sports Medicine (A)</td>
</tr>
<tr>
<td>Ethics (A)</td>
<td>Drafting (B)*</td>
<td>Drafting (B)*</td>
<td>Sports Medicine 2 (B)</td>
</tr>
<tr>
<td>Horticulture 1/2 *</td>
<td>Auto 2/3/4 *</td>
<td>Robotics 2•/3•/4 •</td>
<td>Anatomy (A/B) *</td>
</tr>
<tr>
<td>Animal Science 1/2 *</td>
<td>Manufacturing 2/3/4</td>
<td>3 years of Math Team</td>
<td>Adv Chem (A/B) *</td>
</tr>
<tr>
<td>Pre Cal*</td>
<td>Math Lab Cadet Teaching</td>
<td>Forensics (A/B)</td>
<td></td>
</tr>
<tr>
<td>Calculus*</td>
<td></td>
<td>3 years of HOSA</td>
<td></td>
</tr>
<tr>
<td>Welding (A)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(A,B) semester courses * College credit offered OIT  \* College Credit offered KCC

### STEM&M Graduation Requirements

<table>
<thead>
<tr>
<th>SCIENCE</th>
<th>1 YEAR</th>
<th>2 YEARS</th>
<th>3 YEARS</th>
<th>4 YEARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social Studies</td>
<td>Optional</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>World Language</td>
<td>Optional</td>
<td>Optional</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### STEM&M Additional Requirements

<table>
<thead>
<tr>
<th>1080/SAT or 21 ACT</th>
<th>Date:</th>
<th>Score:</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEM&amp;M Points</td>
<td>Sophomore</td>
<td></td>
</tr>
<tr>
<td>Earn 10 points per year.</td>
<td>Junior</td>
<td></td>
</tr>
<tr>
<td>Senior</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

STUDENTS WHO FALL BELOW A 3.0 CUMULATIVE GPA WILL BE PLACED ON PROBATION FOR 1 SEMESTER. STUDENTS WHO FAIL TO MAINTAIN A 3.0 AFTER PROBATION WILL BE WITHDRAWN FROM THE STEM&M PROGRAM.

### Optional

- Optional: Summer OIT Coursework - Junior Summer
- Optional: Pathway Real World Experience - Senior Summer
- Senior STEM&M Project

[www.mazamastemmm.com](http://www.mazamastemmm.com)
## Mazama Courses for College Credit

<table>
<thead>
<tr>
<th>Mazama Class</th>
<th>College Course</th>
<th>College</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Agriculture</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horticulture I, II</td>
<td>CSS 150/L Intro to Horticulture and Lab</td>
<td>KCC</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Animal Science</td>
<td>ANS 121 Intro to Animal Science</td>
<td>KCC</td>
<td>4</td>
</tr>
<tr>
<td><strong>Business</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accounting I</td>
<td>BUS 111 Intro to Accounting</td>
<td>KCC</td>
<td>3</td>
</tr>
<tr>
<td>Accounting II</td>
<td>BUS 211 Principles of Accounting</td>
<td>KCC</td>
<td>3</td>
</tr>
<tr>
<td>Business Applications</td>
<td>CAS 216 Word Processing</td>
<td>KCC</td>
<td>4</td>
</tr>
<tr>
<td>College Now</td>
<td>CGS 100 College Survival and Success</td>
<td>KCC</td>
<td>3</td>
</tr>
<tr>
<td>Computer Applications</td>
<td>MIS 101, 102, 103 (OR Tech) CAS 133 Intro to Computing Skills (KCC)</td>
<td>KCC/OR TECH</td>
<td>3</td>
</tr>
<tr>
<td>Introduction to Business</td>
<td>BUS 101 Intro to Business</td>
<td>KCC</td>
<td>3</td>
</tr>
<tr>
<td>Marketing I*</td>
<td>BUS 101 Intro to Business</td>
<td>KCC</td>
<td>3</td>
</tr>
<tr>
<td>Marketing II*</td>
<td>BUS 223 Principles of Marketing</td>
<td>OR TECH</td>
<td>3</td>
</tr>
<tr>
<td>Personal Finance/Sr. Sem</td>
<td>BUS 218 Personal Finance</td>
<td>KCC</td>
<td>3</td>
</tr>
<tr>
<td><strong>Career Technical Education</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auto Tech 3/4</td>
<td>AMT 301 Workplace Training</td>
<td>KCC</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>AMT 287 Automotive Repairs</td>
<td>KCC</td>
<td>4</td>
</tr>
<tr>
<td>Engineering 1 Robotics 2, 3, 4 Drafting</td>
<td>ENGT 101 Engineering Tech ENGR 101 Intro to Engineering ENGR 102 Intro to Engineering II</td>
<td>OR TECH</td>
<td>2</td>
</tr>
<tr>
<td>Cadet Teaching</td>
<td>EDU280 Cadet Teaching</td>
<td>KCC</td>
<td>2</td>
</tr>
<tr>
<td>Health Occupations I</td>
<td>MDA 101 Medical Terminology</td>
<td>KCC</td>
<td>3</td>
</tr>
<tr>
<td>Health Occupations II</td>
<td>MDA 102 Medical Terminology</td>
<td>KCC</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HEA 110 Clinical, 110 Lab</td>
<td>KCC</td>
<td>7</td>
</tr>
</tbody>
</table>

*Class is part of a sequence and must be completed in combination with other classes in order to receive dual credit.
<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced English III</td>
<td>WR 121</td>
<td>3</td>
</tr>
<tr>
<td>Advanced English IV</td>
<td>WRI 122, SPE 111</td>
<td>3</td>
</tr>
<tr>
<td>German III, IV</td>
<td>GER 101, 102, 103, 201</td>
<td>16</td>
</tr>
<tr>
<td>Spanish III/IV</td>
<td>SPA 101, 102, 103, 201</td>
<td>16</td>
</tr>
<tr>
<td>Math 111</td>
<td>MTH 111</td>
<td>4</td>
</tr>
<tr>
<td>Math 112</td>
<td>MTH 112</td>
<td>4</td>
</tr>
<tr>
<td>Math 105</td>
<td>MTH 105</td>
<td>4</td>
</tr>
<tr>
<td>Math 251</td>
<td>MTH 251</td>
<td>4</td>
</tr>
<tr>
<td>Math 252</td>
<td>MTH 252</td>
<td>4</td>
</tr>
<tr>
<td>Advanced Chemistry (Sem 1)</td>
<td>CHE 104</td>
<td>4</td>
</tr>
<tr>
<td>Human Anat &amp; Phys (Sem 1)</td>
<td>BIO 103</td>
<td>4</td>
</tr>
<tr>
<td>Human Anat &amp; Phys (Sem 2)</td>
<td>BIO 200</td>
<td>2</td>
</tr>
<tr>
<td>Honors Amer Hst Sem 1</td>
<td>HST 201</td>
<td>3</td>
</tr>
<tr>
<td>Honors Amer Hst Sem 2</td>
<td>HST 202/203</td>
<td>6</td>
</tr>
<tr>
<td>Psychology</td>
<td>PSY 201</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Psychology</td>
<td>PSY 202</td>
<td>3</td>
</tr>
<tr>
<td>Economics</td>
<td>EC 202</td>
<td>3</td>
</tr>
</tbody>
</table>
OREGON PROMISE

The Oregon Promise is a program that the state of Oregon has launched to make community college affordable for all high school graduates. The Oregon Promise pays for all of the tuition costs for next year at any community college in the state of Oregon. The requirements to be considered for eligibility for this program are as follows:

✧ Graduate from an Oregon high school with at least a 2.5 cumulative GPA
✧ Enroll in an Oregon community college no later than six months after high school graduation
✧ Complete the FAFSA (Free Application for Federal Aid)
✧ Be an Oregon resident for the 12 months prior to enrolling in the community college.

MAZAMA HIGH SCHOOL ASPIRE PROGRAM

ASPIRE is the state of Oregon’s official mentoring program to help students access education and training beyond high school. Students receive information about college options, admissions, and financial aid from trained, supportive, ASPIRE volunteer mentors who work one-on-one with them throughout the year.

Coordinator- Armando Ojeda
Call or text 541-883-5024
ASPIRE Room 63

More information can be found at:
http://oregonstudentaid.gov/aspire.aspx
AGRICULTURE COMMUNICATION & LEADERSHIP
Grade: 10 – 12
Credit: 0.5
Prerequisite: Intro to Agriculture
Agriculture Communication & Leadership focuses on the process and functions of communication in interpersonal, small group, interview, and public speaking. Agricultural Leadership helps students develop leadership skills with a focus on opportunities in the food, fiber, and natural resources industries. Students will focus on agriculture issues and leadership development in the national FFA organization. This class will prepare students for further contests and individual excellence.

ADVANCED ANIMAL SCIENCE
Grade: 10 – 12
Credit: 1.0
Prerequisite: Intro to Agriculture
Dual Credit Course: ANS 121 (KCC)
Animal Science courses impart information about the care and management of domestic and farm animals. These courses may cover animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing, and marketing. The classes are designed to focus on the various phases of animal science and modern livestock industry, from animal products to feeding and nutrition fundamentals. Students will explore hands-on projects and activities to learn the characteristics of animal science involving the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing.

CULTURAL FOODS PRODUCTION AND PROCESSING
Grades: 9-12
Credit: .5
Food Product and Processing courses impart the knowledge and skills needed to produce and manufacture food products for the consumer market. The cultural foods production and processing course will focus on agricultural practices and issues within cultures around the world and how they relate to food production, world hunger, cultural exploration, and the role food plays in cultures around the world.

FOOD PRODUCT PROCESSING 1
Grades: 9-12
Credit: .5
Food Product Processing courses impart the knowledge and skills needed to produce and manufacture food products for the consumer market. These courses focus on food products while covering a variety of topics, such as quality selection and preservation, equipment care and sanitation, government regulations, marketing, consumer trends, and product research and development. Food Product Processing I will focus on a variety of skills, such as safety and sanitation, equipment care, nutrition, and quality selection and preservation.

FOOD PRODUCT PROCESSING 2
Grades: 9-12
Credit: .5
Prerequisite: Food Product Processing 1
Food Product Processing courses impart the knowledge and skills needed to produce and manufacture food products for the consumer market. These courses focus on food products while covering a variety of topics, such as quality selection and preservation, equipment care and sanitation, government regulations, marketing, consumer
trends, and product research and development. Food Product Processing II will focus on understanding government licensing and regulations, identifying consumer trends and niche marketing, and using research to plan and implement a food production program.

FOOD SCIENCE AND INDUSTRY

Grades: 10-12
Credit: 1.0

Prerequisite: Food Product Processing 1 & 2
This course examines specific topics related to producing and processing agricultural products (such as meat cutting), the science behind food production, and product development rather than provide a general study of production and processing. This course will also cover industry topics as they related to agriculture and food.

HORTICULTURE I/II

Grade: 10 - 12
Credit: .5

Dual Credit Course: CSS 150/L (KCC)
This is a 1-year, introductory course in agricultural science. Students will experience hands-on activities, projects, and problems involving the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural safety. They will explore career pathways in the field of agriculture, and learn leadership and cooperation through the use of parliamentary procedure and public speaking.

INTRO TO AGRICULTURE

Grade: 9 – 12
Credit: 1.0

This is a yearlong introductory course in agriculture science. This course will cover a wide variety of topics within the agriculture industry, exposing students to the many and varied types of agriculture and livestock career opportunities and to those in related fields (such as natural resources). This course will focus on developing communication skills, business principles, and leadership skills. The FFA will be an integral part of the class.

ART

BASIC ART

Grade: 9 - 12
Credit: .5

This is an entry level course where students will learn the elements and principles of art through an exploration of 2-dimensional visual art projects. Students will become familiar with design process and composition, drawing techniques, painting, printmaking, and collage. An emphasis will be placed on gaining and improving visual skills and techniques throughout the semester, along with use of tools and techniques within projects along with demonstrating good craftsmanship. Students will be exposed to a variety of artists, art styles, art history, art terms, and development of an “artist statement”. Students must earn a C or better to continue on to the Advanced Visual Arts course. Class fee: $15.00

ADVANCED VISUAL ARTS

Grade: 10 - 12
Credit: .5

Prerequisite: Basic Art
Advanced Visual Arts is a semester long course that can be repeated for credit. In Advanced Visual Arts, students will continue improving their knowledge and skill in 2-dimensional art forms. Students will concentrate on developing their own artistic style through exploration of medium and creativity. Each project will cover one or several of the following motivations: artists, art history, styles of art or concept design. Students will work in an art studio environment. Students will be developing and mastering critique skills through the creation of an artist statement, artist resume, and portfolio. This class counts towards an Honor Diploma. Class fee: $15.00
BASIC SCULPTURE: 3D
Grade: 9 - 12
Credit: .5
This is an entry level course where students will learn the Elements and Principles of Art through the exploration of 3-dimensional art projects. Students will become familiar with a variety of sculpture mediums such as clay, cardboard, found objects, plaster and other mediums as they pertain to project concepts. An emphasis will be placed on gaining and improving visual skills throughout the semester along with the use of art tools and art techniques within projects all with demonstrating good craftsmanship. Students will be introduced to a variety of artists, art styles and art vocabulary along with the development of an artist statement. Students must earn a C or better to continue on to the Advanced Visual Arts course.
Class fee: $15.00

ADVANCED SCULPTURE: 3D
Grade: 9 - 12
Credit: .5
Prerequisite: Basic Sculpture 3D
Advanced sculpture is a semester long course that can be repeated for credit. In Advanced Sculpture students will continue improving their knowledge and skills in 3-dimensional art forms. Students will concentrate on developing their own artistic style through exploration of medium and creativity. Each project will cover one or several of the following motivations: artists, art history, styles of art, and concept design. Students will work in an art studio environment. Students will be developing and mastering critique skills through the creation of an artist statement, artist resume and portfolio. This class counts towards an Honor Diploma.
Class fee: $15.00

AUTOMOTIVE TECHNOLOGY 1
Grade: 9 - 12
Credit: .5
This class is the entry level course in the Automotive Technology program for the Klamath County School District. The course is open to boys and girls, grades 9-12, and is one semester in length. The course is designed to introduce students to the world of mechanics, specifically related to the automotive industry. Subjects to be covered in this class include (but are not limited to) the automotive industry (domestic/foreign), basic vehicle assembly and construction, major systems operation, automotive careers and certification, standard shop equipment, shop safety, basic automotive electricity and piston engine design and operation. Students will be introduced to the Skills USA organization. There will be required lab projects/exercises for each unit of study, but actual hands on lab time will be limited in this course. There will be no actual work on automobiles in the shop.
Class fee: $15.00

AUTOMOTIVE TECHNOLOGY 2
Grade: 10 - 12
Credit: 1.0
Prerequisite: Auto Tech 1
This class is the second level course in the Klamath County School District’s Automotive Technology program. This course is a full year in length. The course is designed to implement some of the basic shop skills and engine operation theory learned in the level one class. The first semester will be used to study small, one cylinder gasoline engines in detail. Each student (or group of students if the class size is large) will be required to complete one approved engine overhaul project. The second semester of the course will cover typical repair shop work, manual and service information systems, car owner/operator responsibilities, periodic maintenance and basic electricity.
AUTOMOTIVE TECHNOLOGY 3/4  
Grade: 11 - 12  
Credit: 1.0  
Dual Credit Course: AMT 287, AMT 301  
Prerequisite: Successfully complete level 2 course (or equivalent) with a C grade or better or instructor approval  
This course is a full year in length and meets for one class period per day. If scheduling permits, this course could be offered as a block class of two periods per day. Over a two year period, this course is designed to give students the opportunity to study automotive engines, power trains and chassis systems in detail. Industry standard tools and equipment will be used to diagnose, service and repair these systems. Effort will be made to simulate automotive service shop operation and students will be encouraged to fill out service repair orders and calculate labor charges for the various jobs completed. While in the program, students at this level will be encouraged to seek employment in the automotive field on a part time basis and participate in the community college 2 + 2. Participation in the Skills USA program is advised.

ACCOUNTING II  
Grade: 11-12  
High School Credit: 1.0  
Dual Credit Course: BUS 211(KCC)  
Prerequisite: Accounting I, Instructor approval  
Accounting II is an elective course intended for students with determined career objectives in the field of business or in the accounting profession. This second-year course is designed for students who want: (1) to become accounting clerks upon graduation from high school; (2) to obtain the accounting skills necessary to advance to the level of bookkeeper following experience as an accounting clerk; (3) to go on to college and major in accounting or some phase of business; or (4) to broaden and improve their knowledge, understanding, and application of accounting principles. At this level, the complete accounting cycle is mastered, and students learn more advanced, complex accounting principles. Using manual and computer skills, students perform accounting tasks for merchandising businesses organized as partnerships and corporations.

BUSINESS – CAREER TECHNICAL EDUCATION  
ACCOUNTING I  
Grade: 10-12  
Credit: 1.0  
Dual Credit Course: BUS 111 (KCC)  
Prerequisite: Grade C or better in math  
Accounting I is an elective course intended to provide a solid foundation for students with various career objectives. Some students seek preparation for entry-level accounting jobs. Others look forward to careers in related business fields for which knowledge of some accounting is needed. Some students seek a foundation on which to continue studying business and accounting at the collegiate level. The complete accounting cycle in its simplest form is presented, and students learn the basic procedures used to operate a business. Using manual skills, students perform accounting tasks for service businesses organized as proprietorships and for merchandising businesses organized as partnerships. Computers will be used to complete some exercises. If students are planning to major in business in college or run their own business, this class is highly recommended.

BUSINESS LEADERSHIP I, II, III, IV  
Grade: 10-12  
High School Credit: 1  
Business Leadership is a course designed to prepare students for leadership roles in school, extracurricular, and community activities, and for future academic, career, and citizenship responsibilities. Future Business Leaders of America provides innovative leadership development together with a positive work relationship. Students will obtain leadership experience by assuming officer
responsibilities as well as planning and organizing FBLA chapter activities. This course will focus time on leadership curriculum, planning fundraising events, organizing chapter events and activities, and fulfilling FBLA officer responsibilities.

BUSINESS APPLICATIONS*
Grade: 9-12  
High School Credit: .5  
Dual Credit Course: CAS 216 (KCC)
Business Applications will allow students to familiarize themselves with and learn to use the individual apps that constitute Google Apps by accomplishing a variety of projects; utilize web searches and refined search techniques, utilize Gmail to communicate with the instructor and other students, utilize the collaborative abilities of Google Apps as they work together in teams to attain the goals of the class and to review each other's work. Instructional materials will include: Teacher-selected materials, internet resources, online video sources, quick-reference software guides, and supplemental handouts. Projects will be turned in via Google Apps Classroom and may be printed for presentation, evaluation and work samples.

COMPUTER APPLICATIONS*
Grade: 9-12  
High School Credit: .5  
Dual Credit Course: MIS 101, 102, 103 (OR Tech) / CAS 133 (KCC)
Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing.

* The sequence of Business & Computer Application courses is designed to prepare students to work with industry standard software and hardware commonly found in business settings. Applications include word processing, spreadsheets, databases, presentation programs, multimedia applications and layout and web page design. Other subjects include resumes, cover letters, applications, and the impact of computers on society and business. Other subjects include resumes, cover letters, applications, and the impact of computers on society and business. Keyboarding and integrating data skills are also taught.

COLLEGE NOW
Grade: 11 - 12  
Credit: 1.0  
Dual Credit Course: CGS 100 (KCC)
College Now offers rising juniors and seniors the opportunity to take credit courses at Klamath Community College for FREE! Students will receive a KCC ID and have access to all the facilities KCC has to offer. Students will spend part of their time in Mazama’s College Now course earning credit from KCC for College Survival and Success. When KCC starts their Fall, Winter, or Spring terms, students will travel to the campus and attend class during the day. Students are able to choose their classes and create their own schedule. Enrolling in College Now requires sixth AND seventh periods.

INTRODUCTION TO BUSINESS
Grade: 9-12  
Credit: .5  
Dual Credit Course: BUS 101 (KCC)*
Have you ever wondered what qualities billionaires possess? After finishing this Intro to Business course, students may discover that they have some of the same qualities as other successful entrepreneurs. This course is designed as an overview course that will expose students to business terminology, concepts, and current business issues. As an introductory course, students will learn concepts that will apply to other high school or college business classes. Understanding
how a business functions and operates will help students in their personal life and even set a foundation for owning and operating a business.

MARKETING I

*Grade: 9-12
Credit: .5
Dual Credit Course: BUS 101 (KCC)*

Marketing I is an introductory course designed for students interested in exploring how products are developed, produced, promoted and distributed. In this course, students will learn the aspects of marketing as they complete tasks and projects using real-world business examples. This course is based on the business and marketing core that includes communication skills, economics, financial analysis, and promotion. Both marketing and employment skills learned will improve and increase the chance of successful transition into the world of work.

* When both Introduction to Business and Marketing I have been taken, dual credit will be earned via BUS 101 with KCC.

MARKETING II*

*Grade: 10 - 12
High School Credit: .5
Dual Credit Course: BUS 223 (OR Tech)
Prerequisite: Marketing I

Students learn and apply fundamentals of various software applications (such as Illustrator and Photoshop), web design, image editing, drawing and graphic animation. Advertising and marketing projects coordinate technical skills with organization, management, communication, ethics and teamwork. Students will be given challenging real world projects and assignments typical of the graphic design industry. High quality work is expected and students will be given opportunities to redo work until it meets standards specified during instruction. Classroom activities will include reading, research, projects, and problem solving. Students will often work in teams, but will be expected to complete individual assignments in relation to the team’s work.

* When both Marketing I and Marketing II have been taken, dual credit will be earned via BUS 223 with OR Tech.

PERSONAL FINANCE/SENIOR SEMINAR

*Grade: 12
High School Credit: 1
Dual Credit Course: BUS 331 (OR Tech); BUS 218 (KCC)

This course will focus on post-secondary education. Students will develop a post-secondary plan to prepare them for life after high school. The first semester will focus on developing personal statements, submitting college and scholarship applications and financial aid. Students will be exposed to college life through college visits and tours. Second semester will be geared towards financial literacy. Students will learn how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets utilizing checking and saving accounts, gain knowledge in finance, debt and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions leading to financial independence.

ENGLISH LANGUAGE ARTS (ELA)

CREATIVE WRITING

*Grades: 10-12
Credit: .5
Prerequisite: C or better in English

Creative Writing is a semester long course open to sophomores through seniors who have a genuine interest in expanding their writing, especially
creatively. Students will read model pieces such as short stories and poetry, and then analyze author purpose and style choices in order to implement those choices in their own creative writing pieces. Students will write poetry, short stories, and various other pieces practicing the use of figurative language, literary devices, and various other writing strategies. This is an elective class.

DIGITAL MEDIA

Grades: 9-12
Credit: .5
Digital Media is an elective course where students will learn a variety of technological applications that they can apply to their academics, daily life, and future careers. The course will be taught in a hybrid setting using face-to-face instruction and online instruction using an LMS. Students will learn web design, coding, digital photography/videography, game design, how to make a positive online presence, along with other technologies. This is an elective class.

ENGLISH I

Grade 9
Credit: 1.0
English 9 students will demonstrate competency in a variety of language arts skills which align with the Common Core State Standards (CCSS) for English Language Arts. These standards encompass four strands: Reading, Writing, Language, and Speaking & Listening. Students will have a variety of opportunities to demonstrate competence in all four strands through the study of a variety of literary and informational text, standard English conventions, and SAT vocabulary, as well as characteristics of quality speaking and listening. In addition, students will write frequently, focusing on development of skills in expository and literary analysis. Students will be introduced to research skills using MLA formatting and will have multiple opportunities to prepare for their essential skills assessments, which must be passed for graduation.

ADV ENGLISH I

Grade 9
Credit: 1.0
Prerequisite: Teacher Recommendation
This course is for students who are college-bound and/or have a special interest in language arts. This course will move at a faster pace than regular English I and include more rigorous curriculum. In addition to preparing students for Adv English II, students will study a variety of literary and informational text, standard English conventions, and SAT vocabulary, as well as characteristics of quality speaking and listening. In addition, students will write frequently, focusing on development of skills in expository and literary analysis. Students will be introduced to research skills using MLA formatting and will have multiple opportunities to prepare for their essential skills assessments, which must be passed for graduation.

ENGLISH II

Grade 10
Credit: 1.0
Prerequisite: English I
This course builds on the skills developed in English I, and students will continue to integrate literature, writing and oral language in pursuing acquisition of the skills required for CCSS English Language Arts. Students will have opportunities to meet their essential skills for reading and writing by completing work samples. Students will write in various modes, such as expository and narrative. In addition to preparing for the demands of college, students will be studying vocabulary and literary terminology, novels and other literary forms.

ADV ENGLISH II

Grade: 10
Credit: 1.0
Prerequisite: English I, teacher recommendation
This course is for students who are college-bound and/or have a special interest in language arts. In addition to preparing students for Adv English III,
students will be studying SAT vocabulary and literary terminology, novels and other literary forms. Students will write in various modes, such as expository, narrative and research.

ENGLISH III
Grade: 11
Credit: 1.0
Prerequisite: English I & II
English III is designed to improve writing and reading skills in preparation for the state assessment. Emphasis is placed on developing an argument with evidence and support, while attending to the norms of standard English conventions. In addition, students will read and analyze literature of major American authors and improve public speaking skills. Finally, students will complete coursework derived from the CCSS to prepare them for the Smarter Balanced Assessment (Computer Adaptive English Assessment and the Performance Test.)

ADV ENGLISH III
Grade: 11
Credit: 1.0
Dual Credit Course: WR121
Prerequisite: Admittance determined by application, teacher recommendation, and GPA
This course is for students who are college-bound and/or have a special interest in language arts. Adv English III offers a more rigorous curriculum than English III because it includes dual credit through Oregon Tech for Writing 121. Students will study literature, vocabulary, grammar and conventions in addition to the WRI 121 curriculum. This course is a prerequisite for Adv English IV.

ENGLISH IV
Grade: 12
Credit: 1.0
Prerequisite: English 9, 10 & 11
English IV is a full-year course open to all senior students. This course is designed to introduce students to literature from Britain, including Shakespeare and Jonathan Swift. Students will read and analyze texts, write essays, study grammar conventions, and engage in discussions related to literature and how it connects to today. Language, reading, speaking and writing skills will be integral parts of the curriculum.

ADV ENGLISH IV
Grade: 12
Credit: 1.0
Dual Credit Course: WRI122 (OR Tech); SPE111 (OR Tech)
Prerequisite: C or better in Adv English 11, teacher recommendation
Adv English IV is a full-year course open to senior students who wish to earn college credit while simultaneously covering the English IV requirement. This course is designed to give the student the opportunity to earn college credit through OIT in WRI 122 and SPE 111. Students will learn how to write argumentatively, using solid arguments and evidence, will learn to publicly speak with emphasis on content, organization, and with speaker adjustments to various situations and modes. Students will refine their skills in proper documentation style as well as the use of rhetorical devices. The standards and materials for this course will be of college level, and only students with excellent writing skills should enroll. To prepare students for the demands of college writing, they will write various essays, both timed inside of class and untimed outside of class.

JOURNALISM
Grades: 9-12
Credit: 1.0
Prerequisite: C or better in English
This yearlong course is designed for students who want to learn the art and craft of reporting, writing, editing, photographing and documenting news which is relevant to our student body and our surrounding community. Students will learn the
elements of news and the different forms of journalistic writing. They are expected to complete written compositions on a regular basis, carefully examining their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English and the AP Stylebook so that they can be published via Mazama media. Lessons about the history of journalism, press law, and ethics will complement this course. Students will become analytical consumers of media and technology to enhance their communication skills; they will have the opportunity to use computer-aided publishing tools and other hands-on production tools. Students will also learn about design, advertising, time management and teamwork and will also be exposed to the creation of Mazama’s Yearbook, Valhalla. It is expected that all students be able to cover events outside of school hours and be responsible for equipment, including cameras. This class is a prerequisite for the Yearbook class.

YEARBOOK
Grades: 10 - 12
Credit: 1.0
Prerequisite: C or better in English, and have participated in a yearlong Yearbook course at Mazama in a past school year
Yearbook is a yearlong course designed for the production of the Valhalla yearbook. This class plans, arranges, organizes and assembles the yearbook. Students are required to participate in all fund-raising activities, including the sale of advertising during the school year. Students are expected to be proficient writers, and display an interest in the school and a passion for journalistic pursuits. The most important skills for this class are time management and organizational ability. Students should be able to devote at least one hour a week of out-of-class time to their yearbook responsibilities. Students will learn to speak publicly with emphasis on content and organization through informative, demonstrative, and persuasive speeches. It is expected that all students be able to cover events outside of school hours and be responsible for Yearbook equipment.

FOREIGN LANGUAGES

GERMAN 1
Grade 9 - 12
Credit: 1.0
German 1 is designed to teach the skills of listening, speaking, reading and writing in German, with special emphasis on personal communication. Cultural aspects of German-speaking countries are introduced. Students are required to pay a class fee and must pass with a C or better to continue.
Class fee $15.00

GERMAN 2
Grade: 10 - 12
Credit: 1.0
Prerequisite: Successful completion of German 1
German 2 is a full-year course designed to further develop the four basic skills of communication: listening, speaking, writing and reading in German. Emphasis is placed on travel communication skills. Students are required to pay a class fee and must pass with a C or better to continue.
Class fee $15.00

GERMAN 3
Grade: 11 - 12
Credit: 1.0
Dual Credit Course: GER 101, GER 102
Prerequisite: Successful completion of German 1 & 2
This course is a dual credit course and emphasizes continued speaking, listening, reading, and writing proficiency in the target language; additionally students study grammar, vocabulary, culture, geography, and history of German speaking countries. Level three students should be able to converse in the novice-level of ACTFL guidelines and read and write at an intermediate-low level.
GERMAN 4  
Grade: 12  
Credit: 1.0  
Dual Credit Course: GER 103, GER 201  
Prerequisite: Successful completion of German 1, 2 & 3  
This course is a dual-credit course and emphasizes continued speaking, listening, reading, and writing proficiency in the target language; additionally, students study grammar, vocabulary, culture, geography, and history of German speaking countries. Level four students should be able to converse in the intermediate low level of ACTFL Proficiency Guidelines and read and write at an intermediate-low level.

SPANISH 1  
Grade: 9 - 12  
Credit: 1.0  
Spanish 1 is designed to teach the skills of listening, speaking, reading and writing in Spanish, with special emphasis on personal communication. Cultural aspects of Spanish-speaking countries are introduced. Students are required to pay a class fee and must pass with a C or better to continue.

SPANISH 2  
Grade: 10 - 12  
Credit: 1.0  
Prerequisite: Successful completion of Spanish 1  
Spanish 2 is a full-year course designed to further develop the four basic skills of communication: listening, speaking, writing and reading in Spanish. Emphasis is placed on travel communication skills. Students are required to pay a class fee and must pass with a C or better to continue.

SPANISH 3  
Grade: 11 - 12  
Credit: 1.0  
Dual Credit Course: SPA 101, SPA102  
Prerequisite: Successful completion of Spanish 1 & 2  
This course is a dual-credit course and emphasizes continued speaking, listening, reading, and writing proficiency in the target language; additionally, students study grammar, vocabulary, culture, geography, and history of Spanish speaking countries. Level three students should be able to converse in the novice-high level of ACTFL Proficiency Guidelines and read and write at an intermediate-low level.

SPANISH 4  
Grade: 12  
Credit: 1.0  
Dual Credit Course: SPA 103, SPA 201  
Prerequisite: Successful completion of Spanish 1, 2, & 3  
This course is a dual-credit course and emphasizes continued speaking, listening, reading, and writing proficiency in the target language; additionally, students study grammar, vocabulary, culture, geography, and history of Spanish speaking countries. Level four students should be able to converse in the intermediate low level of ACTFL guidelines and read and write at an intermediate-mid level.

HEALTH  
HEALTH 1  
Grade: 9  
Credit: .5  
Health 1 is designed to motivate the student toward healthy living and making responsible choices. Wellness deals with nutrition awareness, fitness, understanding of body systems, and remaining tobacco and substance free. The course should help the students to understand personal needs of all people and the pressure exerted on them by many groups. Health education helps each individual to develop and use a valuing system through the gathering of health-related information, verifying the source of the
information, and analyzing the message the student received from the information.

HEALTH 2
Grade: 11
Credit: .5
Prerequisite: Health 1
Health 2 emphasizes a wellness lifestyle. A comprehensive sex education unit will inform students on making positive choices and the negative ramifications of making poor decisions. Students will learn the reproductive systems, the concepts of pregnancy, birthing procedures, parenting, sexually transmitted infections, including HIV/AIDS, birth control methods, and some early childhood problems and diseases. There will also be a focus on healthy living which will involve depression management, and living alcohol and drug free.

SPORTS MEDICINE
Grade: 10 – 12, 9th with teacher approval
Credit: .5
Prerequisite: Health 1, C or better
This Sports Medicine course will provide students with the knowledge and skills to understand and perform the first aid/CPR skills that would be required in any medical field position. This course will also provide skills that would be designated by an athletic or fitness trainer, or physical therapist. Topics covered will include taping and bandaging, proper use of protective padding, treatment modalities, anatomy and physiology, and medical terminology. More advanced topics may include injury assessment, the phases of healing, and the use of exercise and equipment to help in the reconditioning of injured athletes.
Lab Fee $10.00
First Aid/CPR card $13.00 if earned.

ADV SPORTS MEDICINE
Grade: 9-12
Credit: .5
Prerequisite: Sports Medicine
This Advanced Sports Medicine course will extend the knowledge needed by an athletic and/or fitness trainer. Students will learn the importance of inventory and supplies needed for a functional training room. The roles and responsibilities in athletic training will focus on the care of the athlete. Topics include pre-participation physical examinations, preseason conditioning, nutrition, dietary supplements and performance enhancers. This course will also focus on sports psychology, and the role it plays in athletics. More advanced topics may include injury assessment, taping and bandaging, treatment modalities, and environmental conditions such as stress, heat and cold exposure, along with pre-existing medical conditions that may impact the athlete.
Lab Fee $10.00

HEALTH OCCUPATIONS – CAREER TECHNICAL EDUCATION

INTRO TO HEALTH OCCUPATIONS
Grade: 9 - 12
Credit: .5
The course is divided into three units of study that will introduce students to many aspects of the health care industry. The course prepares students for greater understanding and appreciation of clinical procedures they will be observing in future participation in Health Occupations classes. Career exploration comprises the first unit of study. In this unit, students will learn about the vast opportunities in health care. The second unit in this course has less scope and depth of anatomy and physiology content and a proportionately greater emphasis on medical terminology. Learning of root words, prefixes, suffixes and combining forms is integrated with the learning of anatomical structures and body physiology. Finally, during the
last portion of this class, students will have hands on training in basic CPR and First Aid. There is a fee of $13.00 for the CPR/First Aid card.

HEALTH OCCUPATIONS I
Grade: 11 – 12, 10th with teacher approval
Credit: 1.0
Dual Credit Course: MDA 101, 102
Prerequisite: Minimum 2.5 GPA, passed Biology with at least a C grade, or counselor placement
Health Occupations I is designed for students to explore various health care occupations of interest. While the focus is on common medical terminology, including word roots, prefixes and suffixes, students will also learn the various body systems, pathology of disease, and the diagnostic procedures for various medical conditions. Current issues and trends in health care are explored through group debates, guest speakers and classroom activities. Students are also responsible for a two-hour clinical session at a health care facility in the community each week. Students are responsible for their own transportation to and from the program.

HEALTH OCCUPATIONS II / CERTIFIED NURSING ASSISTANT I
Grade: 11 - 12
Credit: 1.0
Dual Credit Course: HEA 110: 110 Clinical, 110 Lab
Prerequisite: Minimum 2.5 GPA and having passed Biology with at least a C. The class size is limited to a total of 20 slots for the Klamath Basin.
Admission is determined following an interview and application process that takes place during the previous Spring. Preference will be given to those students who have completed Health Occupations I.
The Certified Nursing Assistant (CNA) class has approval by the Oregon State Board of Nursing and will be taught by a Registered Nurse at Klamath Community College. Upon successful completion of the class, students have the option of taking the Oregon Certified Nursing Assistant examination which leads to certification as a nursing assistant in Oregon. This will enable students to be employed at a hospital or an extended care facility immediately after graduation. The Nursing Assistant class will meet two to three times a week for no more than twelve hours per week for the entire academic year. The class will also meet a few times on Saturdays or Sundays. Strict attendance standards are expected of all students to complete the course. Students are responsible for their own transportation to and from the program.

MANUFACTURING & WELDING - CAREER TECHNICAL EDUCATION

MANUFACTURING 1
Grade: 9 - 12
Credit: .5
This is an exploratory course designed to introduce students to basic tasks and tools that are common in the woods and metals class. The course is open to all students, grades 9-12, and is one semester in length. The course is designed to expose students to and allow them to experience entry-level responsibilities in wood/metal shop operation, woodworking, general carpentry, operating nomenclature, shop procedures, cutting, oxygen/acetylene welding, arc welding, and foundry. Basic shop safety is emphasized. Subjects to be covered include wood/carpentry shop safety, hand tools, limited power tools, measuring/measurements, building materials, cutting, oxygen/acetylene welding, arc welding, foundry and a series of simple hands-on projects. General math skills, which include using fractions, decimals, and measurements, will be reviewed and practiced in a way that is useful in a construction environment. Students will be introduced to the use of the CNC machines and laser cutting. Sample Projects: Bird houses, camp chairs, planter boxes, condiment holders.
MANUFACTURING 2
Grade: 10 - 12
Credit: 1.0
Prerequisite: Successful completion of Manufacturing 1 with a C or better
Manufacturing 2 is the second course in the Mazama Manufacturing program and is designed to implement the basic tasks and skills learned in the Manufacturing 1 class. The course is open to all students, grades 10-12, and is one year in length and will introduce these advanced students to actual tools and processes used in the construction field. Safe and efficient usage of common power tools and correct selection/use of measuring tools will be the equipment focus for the year. Students will create projects in a CAD program and produce them on a CNC plasma, CNC router, or a Laser cutter. Student will also work on improving their welding skills with wire feed and arc welding. Students will also use the Powder Coating Technique to finish off metal projects. In addition, students will work in work crews and will design and mockup floor framing, wall and ceiling framing, roof framing, and trim. There will be significant lab work in this class, however, in order to work in the lab, students must pass any and all safety tests required for power tools and shop equipment. Sample Projects: Adirondack chair and table, metal roses. Metal art, beginning CNC plasma cutting, CNC routing and LASER cutting, Welding using arc, wirefeed and TIG.

MANUFACTURING 3/4
Grade: 11 - 12
Credit: 1.0
Prerequisite: Pass level 2 course with a C grade or better, and instructor approval
Manufacturing 3/4 is the advanced course in the Mazama Manufacturing program. This class is designed to allow students to design and build live projects for customers, school and others. Students will create projects using CAD programs and use the CNC plasma and router table. They will also use the LASER cutter for projects. The metal lathe will be used to make smaller projects. Students will also improve their welding skills in these two levels. Also, included will be maintenance and repair (as needed) of shop equipment and power tools. After completing all 4 levels of manufacturing at Mazama, students should be able to with look for employment in the manufacturing field or attend college in this type of field. Sample Projects: Adv CNC projects, LASER cutting, CNC plasma cutting, CNC router, Welding using arc, wirefeed and TIG.

WELDING
Grade: 9-12
Credit: .5
Prerequisite: Manufacturing 1 with a “C” better
Welding courses enable students to gain knowledge of the properties, uses, and applications of various metals, skills in various processes used to join and cut metals (such as oxyacetylene, shielded metal, metal inert gas and tungsten arc processes), and experience in identifying, selecting and rating appropriate techniques. Welding courses often include instruction in interpreting blueprints or other types of specifications. Manufacturing welding covers flat and horizontal positions with oxygen-acetylene welding (OAW), stick (SMAW), Mig (GMAW) on mild steel. In addition Tig (GTAW) welding will be performed on aluminum and mild steel. Students will also learn how to cut mild steel with a plasma torch and the oxygen-acetylene torch.

MATHEMATICS

ALGEBRA 1
Grade: 9 - 12
Credit: 1.0
Algebra is designed to introduce the student to basic algebraic concepts, abstract quantities, and equation solving. Emphasis is placed on proper
organization in problem solving and use of basic mathematical language.

GEOMETRY
Grade: 9 - 12
Credit: 1.0
Prerequisite: Complete and pass a full year of Algebra 1
This course introduces the logic of a deductive system combined with applications in two and three dimensional models. A thorough integration of algebra is used throughout. Combines high level algebra concepts with geometrical applications.

ALGEBRA 2
Grade: 10 - 12
Credit: 1.0
Prerequisite: Algebra 1 and Geometry. To be enrolled in Alg 2, the student must have successfully completed one full year of Algebra 1 AND one semester of Geometry.
Beginning as a comprehensive review of algebra with expanded problem sets, this course utilizes the deductive system of proof in algebraic format. Prerequisite for all college level math classes.

MATH 070
Grade: 11-12
Credit: 1.0
Dual Credit Course: MTH 070
Prerequisites: Completion of at least one Semester of Geometry or Math Department Placement
The following topics are covered: fundamental properties of algebra, solutions of linear and quadratic equations, order of operations, rules of exponents, arithmetic operations of polynomials, factoring of polynomials, the two-coordinate graphing plane, point plotting, graphing of linear equations, and basic geometric and statistical formulas and problem solving. Work samples will also be completed at various times throughout the year.

MATH 098 (Quantitative Literacy – Sem 1 only)
Grade: 11-12
Credit: .5
Dual Credit Course: MTH 098
Prerequisites: Completion of at least a full year of Geometry or higher or Math Department placement
The following topics are covered: inductive reasoning, problem solving, real numbers, linear equations, inequalities, systems, and applications of linear functions. The metric system and geometric concepts are also covered along with probability theory. This class is intended to prepare students to be successful in a basic statistical analysis course. Upon successful completion of the course, students may take MTH 105.

MATH 105 (Stats - Semester 1 only)
Grade: 11 - 12
Credit: .5
Dual Credit Course: MTH 105
Prerequisite: Pass Algebra 2 or math department approval
Covers concepts of elementary probability, frequency distributions and their graphs, probability distributions, descriptive statistics, confidence interval estimation, and interpretation of statistical results.

MATH 111 (Pre-Calculus)
Grade: 10 - 12
Credit: .5
Dual Credit Course: MTH 111
Prerequisite: B or higher in Algebra 2, C or higher in Math 105, or math department approval.
Placement preference will be given to Seniors. It is strongly encouraged that incoming Juniors with a B or better enroll in Math 111/112.
This course builds a solid foundation in algebra and trigonometry, preparing students for other courses such as calculus, business calculus, and finite mathematics. They will use their knowledge to model and solve authentic real work problems. The
A student has an opportunity to receive Math 111 and Math 112 credit for this class.

**MATH 112 (Pre-Calculus - Semester 2 only)**
*Grade: 10 - 12*
*Credit: .5*

**Dual Credit Course: MTH 112**
**Prerequisite: Math 111**
This course builds a solid foundation in algebra and trigonometry, preparing students for other courses such as calculus, business calculus, and finite mathematics. Students will use their knowledge to model and solve authentic real work problems. The student has an opportunity to receive Math 111 and Math 112 credit for this class.

**MATH 251 (Calculus - Semester 1 only)**
*Grade: 12*
*Credit: .5*

**Dual Credit Course: MTH 251**
**Prerequisite: Math 111 & 112**
This course is designed for the college-bound student who has shown considerable talent in mathematics. It is intended for use by those students who plan to continue their study of mathematics, whether in the direction of the physical sciences or the social sciences. It is designed to give the student that extra head start in college.

**MATH 252 (Calculus - Semester 2 only)**
*Grade: 12*
*Credit: .5*

**Dual Credit Course: MTH 252**
**Prerequisite: Math 111 & 112**
This course is designed for the college-bound student who has shown considerable talent in mathematics. It is intended for use by those students who plan to continue their study of mathematics, whether in the direction of the physical sciences or the social sciences. It is designed to give the student that extra head start in college.

**PERFORMING ARTS**

**CHOIR**
*Grade: 9 - 12*
*Credit 1.0*
**Prerequisite: None**
Choir is a full-year course open to all students with an interest in vocal music. This course is designed to provide the student with an opportunity to develop music skills and a knowledge of music. The student is expected to perform at each concert.

**ADVANCED CHOIR**
*Grade: 9 - 12*
*Credit: 1.0*
**Prerequisite: Audition with instructor**
Advanced Choir is a full-year course, open by audition only, to students with an avid interest in vocal music. This course is designed to give the students an opportunity to perform with an advanced select group. This course will include a specific set of choral literature demonstrating advanced skills and knowledge of music, choral and vocal techniques, period styles, and good singing quality. The student is expected to perform at each concert and this group performs at the Southern Oregon Choral District Competition.

**SHOW CHOIR**
*Grade: 9 - 12*
*Credit: 1.0*
**Prerequisite: Audition with instructor**
This is a singing and dancing ensemble and is a full-year course with students selected by Instructor. The class meets during 0 Period. This course is designed to provide the student with a variety of literature with emphasis on show choir and musical theatre literature. The course includes the use of choreography as part of the performance. The student is expected to perform at each concert.
CONCERT BAND

Grade: 9 - 12
Credit: 1.0
Prerequisite: Previous instrumental experience
This course is designed to provide students an opportunity to develop their individual musical skills with a focus on marching band. This course is for the developing musician with the goal of earning placement in Symphonic Band. Students are expected to perform at all performances.

JAZZ BAND

Grade: 9 - 12
Credit: 1.0
Prerequisite: By audition
The instrumentation consists of saxophones, trumpets, trombones, piano, guitar, bass guitar, and drums. While this course is designed as an entry level course for no previous jazz experience, and offers them an opportunity to perform in a wide variety of jazz idioms while developing skills in improvisation, musical discrimination, interpretation, and compositional techniques, admission is determined by audition and teacher approval. Students are expected to perform at all concerts and festivals.

SYMPHONIC BAND

Grade: 9 - 12
Credit: 1.0
Prerequisite: Instructor Approval by Audition
The focus is on marching during the fall and concert preparation for the remainder of the year. Students are selected by auditions for Symphonic Band. The courses are designed to provide students an opportunity to perform band music while developing skills in musical discrimination, creativity, interpretation, style, and compositional techniques. Students are expected to perform at all performances.

THEATER WORKSHOP

Grade: 9 - 12
Credit: .5
This course is designed to provide the student with the opportunity to explore the world of theater, with the emphasis on beginning acting, directing, and technical skills. Real life skills such as, collaboration, problem solving, confidence, and the use of creativity will be linked with the curriculum of this class. Each semester will be devoted to the study of several areas of theater which may include: scene/monologue study, theater lit/history, directing, script writing, or other related subjects, as well as some type of performance project, in which participation is required. This class may be taken for an unlimited amount of credits.

ORCHESTRA

Grade: 9 - 12
Credit: 1.0
Orchestra class is for students with little or no previous experience on violin, viola, cello, and bass. We will learn the basics of playing a string instrument, as well as explore both traditional and contemporary literature for string orchestra. Students will be expected to put in a minimum of 90 hours a week of home practice on their instrument. No previous music knowledge needed, but it is helpful.

PHYSICAL EDUCATION

Grade: 9 - 12
Credit: .5
The purpose of the high school physical education program is to aid the development of the student to his/her fullest potentials in physical growth, neuromuscular development, emotional control and social awareness. The physical education program attempts to help students understand the value of maintaining physical fitness through planned activities. The student will develop an
understanding of lifetime recreational activities as well as the importance of fitness to combat the ill effects of the sedentary, inactive lifestyle, which accompanies spare time.

WEIGHT TRAINING

Grade: 9 - 12
Credit: .5

The emphasis of this class is to teach proper lifting techniques, mechanics, flexibility, and proprioception. This class focuses on the Olympic-style lifts as well as supplementary exercises. Students will learn to use their bodies while getting stronger and more flexible. Students will also do some yoga and stretching to supplement all the lifting they will be doing. We will occasionally play some games and team sports.

LIFETIME FITNESS

Grade: 9 - 12
Credit: .5

This course is designed as a low-impact physical education course. It is an opportunity for everyone, regardless of fitness levels, to enjoy and achieve benefits of an active lifestyle. The activities include team, dual, and individual games and sports at a low-impact to moderate level. Activities are geared to improving a person’s cardiovascular endurance, muscular strength and endurance, flexibility, and body composition. It is designed to inspire an active lifestyle now and in the future.

*Also see Armed Forces

BIOLOGY S1 - Cellular Functions and Ecology

BIOLOGY S2 - Genetics & Kingdoms

Grade: 9 - 12
Credit: 1.0

Prerequisite: Enrolling 9th graders must have a “B” average in all science and math subjects taken during the 8th grade or teacher recommendation. The students will be exposed to the major facets of biology, embryology, genetics, systematic, anatomy and physiology of life, techniques of dissection, and ecological awareness.

CHEMISTRY

Grade: 10 - 12
Credit: 1.0

Prerequisites: Algebra 1 and pass both semesters of Biology with a C or better.

This course is designed to increase the student’s knowledge and understanding of foundational scientific concepts such as properties of matter, atomic structure, chemical bonding and reactions, stoichiometry, phase changes, properties of gases and solutions, and acids and bases, as well as other selected topics. General Chemistry is a lab-oriented course and requires the frequent use of Algebra. This course should be taken by students who wish to continue their education beyond high school or students who have a strong interest in science.

ADVANCED CHEMISTRY S1

Grade: 11 - 12
Credit: .5

Dual Credit Course: CHEM 101, 104
Prerequisite: Pass both semesters of Chemistry with a C or better

This course is designed for students who have already passed General Chemistry. Students will acquire a greater depth of knowledge in topics such as atomic structure, chemical bonding, reactions,
acid/base chemistry as well as other topics. This is an introductory level college level course intended to give students the ability to pursue higher level chemistry courses in medical and engineering fields. There is also a lab component with this course.

ADVANCED CHEMISTRY S2
Grade: 11 - 12
Credit: .5
This course is also called “Qualitative Analysis” It is an entirely lab based course designed to teach common lab techniques such as separating mixtures, testing pH, documenting results, and identifying unknown ions within a solution. Students are graded on their technique and accuracy of results. Students will use their knowledge of solubility, chemical reactions, acids and bases, and ionic bonding.
Lab Fee: $20.00

FORENSICS
Grade: 11 - 12
Prerequisite: Pass both Semesters of Biology
Forensics is applying scientific principles to reconstruct past event within legal situations. This course utilizes the scientific fields of physics, chemistry, biology, psychology, mathematics, and earth sciences to apply these principles to solve simulated crimes. There is a wide array of hands on activities and lab based experiences to simulate real world situations. Students will often work with different classmates in teams; focused collaboration is vital to success.
Lab Fee $10.00

HUMAN ANATOMY AND PHYSIOLOGY
S1- Muscles and Bones
S2- Body Systems
Grade: 11 - 12
Credit: 1.0
Dual Credit Course: Bio 103, BIO 200
Prerequisite: Pass Chemistry with a C or better
Human Anatomy and Physiology provides an understanding of the structure and function of the ten life systems of the human body. Students may take a full year or a single semester. In S1, students will study integumentary, cells, and bones and muscles. In S2 students will learn cardiovascular, respiratory, digestive, endocrine, lymphatic, urinary, and reproductive systems. This course involves numerous field trips to local health professionals as well as projects to enhance learning.
Lab Fee $25.00

OREGON SCIENCE
Grade: 10 - 12
Credit: .5
Prerequisite: Pass both semesters of Biology, upperclassmen will be given seating priority
Oregon Science is a course geared towards science specifically related to the great state of Oregon. Oregon meteorology, geology, ecology, environmental science, aquatic/marine biology, and current scientific research will be covered.

PHYSICAL SCIENCE
Grade: 9
Credit: 1.0
This course is designed to provide a foundation in all aspects of high school science, develop a science vocabulary, develop safe laboratory practices and learn good hands-on procedures in studying the process of science.

PHYSICS S1– Mechanics
PHYSICS S2– Waves, Optics, Electricity
Grade: 11 - 12
Credit: 1.0
Prerequisites: One year of Science, and must have passed, or be enrolled in, Math 111, 112
Physics is a laboratory oriented science course concerned primarily with explaining the behavior and interrelationships of matter and energy in the universe. The course emphasizes physical principles, historical background, and practical
application. Topics include velocity, acceleration, forces, motion, gravity, optics, and electricity. Lab Fee $10.00

SOCIAL STUDIES

CONTEMPORARY ISSUES

 Grade: 10 - 12
 Credit: .5

This is a citizenship course designed to help students become more aware of their surroundings in the contemporary world. Topics for discussion include local, national, and international current issues. Contemporary Issues is designed to help students gain background knowledge about an issue as well as being exposed to all points of view. Access to current materials such as radio, television, magazines, etc., is a necessity for the course. Students need daily exposure to current happenings as reported by the media. Students will be able to identify the relationships of the complex society in which we live today. They will also be able to identify the origin and resolution of conflicts at all levels, as well as understanding how compromises are achieved. Hopefully, the students will be able to apply this learning to future contemporary issues which will confront the young adult.

ECONOMICS

 Grade: 12
 Credit: .5

Dual Credit Course: EC 202

Economics is the study of how individuals and nations make choices about ways to use their scarce resources to fill their wants and needs. Economists study the choices that must be made about how to use limited resources, when, for what purposes, by whom, and for whom. In this course we hope to explore the difference between microeconomics and macroeconomics taking into account two important reasons for its study. The first had to do with our role as citizens and voters and the second is related to personal economic matters. Our study will help us to understand why economic problem occur, and how to reduce their effects.

GLOBAL STUDIES

 Grade: 10
 Credit: 1.0

This course will develop the student’s understanding of the economic, political, and social development of world regions through the study of history, geography, and recent events. Areas of focus will include Africa, Asia, Latin America, Middle East, Russia, Eastern Europe, and Western Europe.

GOVERNMENT

 Grade: 12
 Credit: .5

Dual Credit Course: POL 201 (Patzke only)

Prerequisites: Global Studies, US History

The purpose of this course is to introduce the foundations and institutions of American federal, state, and local governments. More specifically, the course will focus on ideology, constitutions, federalism, and the three branches of government. Further, it aims to develop skills and abilities in analyzing and evaluating issues and public policies in American politics. On the one hand, these courses want to stimulate interest in American politics and impart tools that can be of use to all students of politics. On the other hand, this course hopes to develop critical, (that is, analytical) citizens, so that each of us will have examined reasons for the choices we make as we act in the public interest for the common good.

HONORS AMERICAN HISTORY

 Grade: 11 - 12
 Credit: 1.0

Dual Credit Course: HST 201, 202, 203

Prerequisite: B in Global/World Studies and teacher recommendation

Honors American History is a full-year course open to students who have completed World History and have well-developed reading habits and writing
skills. This course is designed to provide the college-bound student with a learning experience equivalent to that obtained in a college. The course covers the full range of American history from the colonial period to the modern day, giving the student background knowledge and academic skills necessary for entrance to intermediate college work. This class fulfills the American History requirement for graduation. College credit may be earned.

JUSTICE IN AMERICA
Grade: 11 - 12
Credit: .5
This class provides an overview of the American criminal justice system, examining structure, functions, processes, as well as theoretical perspectives in criminology, including biological, psychological, and sociological explanations. Focuses on law enforcement, criminal courts, corrections, community-based sanctions, and the constitutional frameworks in which they operate. College credit may be earned.

PSYCHOLOGY
Grade: 11 - 12 (10th if in STEM &M)
Credit: .5
Dual Credit Course: PSY 201
Psychology is designed to develop the knowledge about the basic foundations of human behavior. This is accomplished through class discussions, lectures, filmstrips, movies and guest speakers. College credit may be earned. Sophomore Honors students may be allowed to take this course with instructor approval.

ADVANCED PSYCHOLOGY
Grade: 11 - 12 (10th if in STEM&M)
Credit: .5
Dual Credit Course: PSY 203
Prerequisite: Psychology with a C or better grade
Advanced Psychology will focus on psychological problems, which change human behavior individually and socially. Identification and remedies for behavior problems will be studied. College credit may be earned.

U.S. HISTORY
Grade: 11
Credit: 1.0
American History will develop the students’ understanding of the economic, political and social history contributing to American life, as we know it today.

ELECTIVES
INTRO TO THE ARMED FORCES
Grade: 9 - 12
Credit: .5 (Semester 1 only)
Introduction to all of the armed forces. The course is designed to introduce students to the basic structure and function of all armed forces. Focus of the instruction is to instill responsibility, self-discipline, basic citizenship and physical conditioning.

ARMED FORCES 2
Grade: 10 - 12
Credit: .5 (Semester 1 only)
Prerequisite: Intro to the Armed Forces or Instructor approval
Armed Forces Year 2 is designed to build upon the content of the introductory level armed forces course. Continued education of all roles and responsibilities of the United States Military is emphasized. Topics of instruction will include personal leadership, physical fitness and small group instruction. Also included are map reading, weapon marksmanship and safety, orienteering and survival training, Military History and Drill and Ceremony.
ARMED FORCES 3
Grade: 11 - 12
Credit: .5 (Semester 1 only)
Prerequisite: Armed Forces 2
Armed Forces Year 3 is specifically designed to build upon Armed Forces Year 2 and puts more emphasis on leadership development, self-discipline and small group instruction. Courses are designed to improve leadership and accountability through increased problem solving situations and group responsibility. Year 3 continues to build upon previous courses including map reading, weapon marksmanship and safety, orienteering and survival training, Military History and Drill and Ceremony. Course instruction will also include military small unit tactics.

ARMED FORCES 4
Grade: 12
Credit: .5 (Semester 1 only)
Prerequisite: Armed Forces 3
Armed Forces Year 4 is specifically designed to build upon Armed Forces Year 2 and 3 and is designed to be the culminating course for Armed Forces study. Practical Leadership exercises are conducted by assigning command and staff positions for lower level armed forces courses.
(Armed Forces credit can be applied to the PE graduation requirement)

CADET TEACHING (I, II, Math Lab, AVID)
Grade: 11 - 12
Credit: .5 (May be repeated for credit)
Dual Credit Course: EDU280
Prerequisite: Instructor approval, math department approval for Math Lab
Students will receive training and career experience in the areas of teaching, record keeping, materials development, and evaluation techniques. Students will work daily at a local school under the direct supervision of qualified staff. Students are responsible for their own transportation to and from their teaching site. Students who cadet teach in Math Lab will be on-site at Mazama. AVID will be at Brixner Middle School.

CHILD CARE
Grade: 10 - 12
Credit: .5 (May be repeated for credit)
Prerequisite:
1. At least 15 years old (unless pregnant or parenting student)
2. Agreement to be enrolled in the Oregon Child Care Division Criminal History Registry,
3. Approval by Lead Caregiver
Child Care is a one semester class designed to give students work experience in a childcare setting. The students assist the staff in providing care for the infants and toddlers in the center. The students are directly supervised by the director and/or childcare providers.

COLLEGE NOW
Grade: 11 - 12
Credit: 1.0
Dual Credit Course: CGS 100 (KCC)
College Now offers rising juniors and seniors the opportunity to take credit courses at Klamath Community College for FREE! Students will receive a KCC ID and have access to all the facilities KCC has to offer. Students will spend part of their time in Mazama’s College Now course earning credit from KCC for College Survival and Success. When KCC starts their Fall, Winter, or Spring terms, students will travel to the campus and attend class during the day. Students are able to choose their classes and create their own schedule. Enrolling in College Now requires sixth AND seventh periods.

CONTEMPORARY ISSUES
Grade: 10 - 12
Credit: .5
This is a citizenship course designed to help students become more aware of their surroundings in the contemporary world. Topics for discussion include local, national, and international current
issues. Contemporary Issues is designed to help students gain background knowledge about an issue as well as being exposed to all points of view. Access to current materials such as radio, television, magazines, etc., is a necessity for the course. Students need daily exposure to current happenings as reported by the media. Students will be able to identify the relationships of the complex society in which we live today. They will also be able to identify the origin and resolution of conflicts at all levels, as well as understanding how compromises are achieved. Hopefully, the students will be able to apply this learning to future contemporary issues which will confront the young adult.

CREATIVE WRITING
Grades: 10-12
Credit: .5
Prerequisite: C or better in English
Creative Writing is a semester long course open to sophomores through seniors who have a genuine interest in expanding their writing, especially creatively. Students will read model pieces such as short stories and poetry, and then analyze author purpose and style choices in order to implement those choices in their own creative writing pieces. Students will write poetry, short stories, and various other pieces practicing the use of figurative language, literary devices, and various other writing strategies. This is an elective class.

DIGITAL MEDIA
Grades: 9-12
Credit: .5
Digital Media is an elective course where students will learn a variety of technological applications that they can apply to their academics, daily life, and future careers. The course will be taught in a hybrid setting using face-to-face instruction and online instruction using an LMS. Students will learn web design, coding, digital photography/videography, game design, how to make a positive online presence, along with other technologies. This is an elective class.

DRAFTING
Grade: 10 - 12
Credit: .5
Dual Credit Course: ENGR 102, ENGR CE 203
Drafting is a semester Project Lead the Way course that provides each student with the concept of drafting. It is also offered as a related course for other technology programs, including engineering bound students and those who have developed an interest in related technical areas. The course will cover lettering, sketching, single views, multi-view projection, geometric drafting, dimensioning, sectional views, auxiliary views, and introduce the student to engineering through design.
Class Fee: $15.00

ENGINEERING I
Grade: 10 - 12
Credit: .5
Dual Credit Course: ENGT 101
The major focus of this course is ideas through a design process that will eventually be manufactured or produced. As you learn about various aspects of engineering and engineering design, such as how engineers communicate through drawing, you will apply what you learn through various activities, projects, and problems. The course covers the following: the role of the engineer, the design process, product design, product analysis and improvement, and designing as an engineer. In addition, students will use a variety of computer programs, to help design solutions to different design projects. Working in teams, students will learn about documenting the problems and solutions, solving the problems, and communicating the solutions to other students and members of the professional community. This is a hands-on course.
Class Fee: $15.00
JOURNALISM
Grades: 9-12
Credit: 1.0
Prerequisite: C or better in English
This yearlong course is designed for students who want to learn the art and craft of reporting, writing, editing, photographing and documenting news which is relevant to our student body and our surrounding community. Students will learn the elements of news and the different forms of journalistic writing. They are expected to complete written compositions on a regular basis, carefully examining their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English and the AP Stylebook so that they can be published via Mazama media. Lessons about the history of journalism, press law, and ethics will complement this course. Students will become analytical consumers of media and technology to enhance their communication skills; they will have the opportunity to use computer-aided publishing tools and other hands-on production tools. Students will also learn about design, advertising, time management and teamwork and will also be exposed to the creation of Mazama’s Yearbook, Valhalla. It is expected that all students be able to cover events outside of school hours and be responsible for equipment, including cameras. This class is a prerequisite for the Yearbook class.

PSYCHOLOGY
Grade: 11 – 12 (10th if in STEM&M)
Credit: .5
Dual Credit Course: PSY 201
Psychology is designed to develop the knowledge about the basic foundations of human behavior. This is accomplished through class discussions, lectures, filmstrips, movies and guest speakers. College credit may be earned. Sophomore Honors students may be allowed to take this course with instructor approval.

ADVANCED PSYCHOLOGY
Grade: 11 – 12 (10th if in STEM&M)
Credit: .5
Dual Credit Course: PSY 203
Prerequisite: Psychology with a C or better grade
Advanced Psychology will focus on psychological problems, which change human behavior individually and socially. Identification and remedies for behavior problems will be studied. College credit may be earned.

ROBOTICS 1
Grade: 9 - 12
Credit: 1.0
Dual Credit Course: ENGR 101
In the first semester students will build a stock robot and use C++ programming to compete in challenges and competitions. In the second semester students will design and build their own robot and compete with in a variety of challenges. Class Fee $10.00

ROBOTICS 2/3/4
Grade: 10 - 12
Credit: 1.0
Dual Credit Course: ENGR 101
Prerequisite: Successful completion of Robotics 1 and instructor approval
Students will design, build and program their own robots to do complex challenges. Students will attend statewide competitions, as well as, mentor
younger students with building and programming of their robots. Travelling for competitions requires meeting eligibility requirements through grades and attendance.

Class Fee $25.00

SERVICE LEARNING

Grade: 9 - 12
Credit: .5 (May be repeated for credit)
Prerequisite: None
The student in this course will be involved in assessment and project planning that will help our school or community. The students will be involved in meaningful service projects that will be generated by the class, not the teacher. The students will reflect on their projects and the celebration of successes will be emphasized as a part of the learning process. This class will provide opportunities for leadership while developing skills in problem solving, communication, reflection, goal setting, career exploration, moral reasoning, relationship development and building of self-esteem.

SPORTS MEDICINE

Grade: 10 – 12, 9th with teacher approval
Credit: .5
Prerequisite: Health 1, C or better
This Sports Medicine course will provide students with the knowledge and skills to understand and perform the first aid/CPR skills that would be required in any medical field position. This course will also provide skills that would be designated by an athletic or fitness trainer, or physical therapist. Topics covered will include taping and bandaging, proper use of protective padding, treatment modalities, anatomy and physiology, and medical terminology. More advanced topics may be include injury assessment, the phases of healing, and the use of exercise and equipment to help in the reconditioning of injured athletes.
Lab Fee $10.00
First Aid/CPR card $13.00 if earned.

ADV SPORTS MEDICINE

Grade: 9-12
Credit: .5
Prerequisite: Sports Medicine
This Advanced Sports Medicine course will extend the knowledge needed by an athletic and/or fitness trainer. Students will learn the importance of inventory and supplies needed for a functional training room. The roles and responsibilities in athletic training will focus on the care of the athlete. Topics include pre-participation physical examinations, preseason conditioning, nutrition, dietary supplements and performance enhancers. This course will also focus on sports psychology, and the role it plays in athletics. More advanced topics may include injury assessment, taping and bandaging, treatment modalities, and environmental conditions such as stress, heat and cold exposure, along with pre-existing medical conditions that may impact the athlete.
Lab Fee $10.00

STUDENT AIDE PROGRAM

Grade: 11 - 12
Credit: .5
Prerequisite: Instructor approval, maximum of six semesters combined
Students will receive a P/Passing or F/Failing grade. Credit will be awarded for “P” grades.
Teacher Aide: Students must have instructor approval to be a classroom aide. This course is designed to give the student an opportunity to assist the teacher in regular classroom duties.
Office Aide: This course is designed to give the student the opportunity to work in an office situation. The student will develop skills in a variety of office procedures. The Main Office, Attendance, the Guidance Office and the Library need at least one aide per period. Students must receive the approval of the office.
STUDENT GOVERNMENT

*Grade: 9 - 12*
*Credit: 1.0 (May be repeated for credit)*
*Prerequisite: Instructor Approval*

This course is for elected Associated Student Body Officers. Student government will provide the opportunity for ASB officers to learn the procedures of how to run an effective student government. It will also provide time for the members of the class to carry out our student council activities.

WELDING

*Grade: 9-12*
*Credit: .5*

*Prerequisite: Manufacturing 1 with a “C” better*

Welding courses enable students to gain knowledge of the properties, uses, and applications of various metals, skills in various processes used to join and cut metals (such as oxyacetylene, shielded metal, metal inert gas and tungsten arc processes), and experience in identifying, selecting and rating appropriate techniques. Welding courses often include instruction in interpreting blueprints or other types of specifications. Manufacturing welding covers flat and horizontal positions with oxygen-acetylene welding (OAW), stick (SMAW), Mig (GMAW) on mild steel. In addition Tig (GTAW) welding will be performed on aluminum and mild steel. Students will also learn how to cut mild steel with a plasma torch and the oxygen-acetylene torch.

WORK EXPERIENCE

*Grade: 11 - 12*
*Credit: .5 (May be repeated for credit)*

*Prerequisite: Instructor approval*

Work Experience is an elective course open to working junior and senior students who have demonstrated regular school attendance and satisfactory grades. The program is intended to give students the chance to explore employment opportunities in the student’s area of career interest. Jobs held by the students must not be prohibited or hazardous as deemed by the Bureau of Labor and Industries. Students must work at least 10 hours per week for a total of 180 hours per semester. The student must receive at least minimum wage and required taxes and insurance must be deducted. Students who fail Work Experience will not be allowed to register for the course the following semester. Students will receive a P/Passing or F/Failing grade. A student may earn only a total of 2 credits for graduation from either Work Experience and/or Career Exploration.

YEARBOOK

*Grades: 10 - 12*
*Credit: 1.0*

*Prerequisite: C or better in English, and have participated in a yearlong Yearbook course at Mazama in a past school year*

Yearbook is a yearlong course designed for the production of the Valhalla yearbook. This class plans, arranges, organizes and assembles the yearbook. Students are required to participate in all fund-raising activities, including the sale of advertising during the school year. Students are expected to be proficient writers, and display an interest in the school and a passion for journalistic pursuits. The most important skills for this class are time management and organizational ability. Students should be able to devote at least one hour a week of out-of-class time to their yearbook responsibilities. Students will learn to speak publicly with emphasis on content and organization through informative, demonstrative, and persuasive speeches. It is expected that all students be able to cover events outside of school hours and be responsible for Yearbook equipment.