



Orient - Macksburg CSD  
9th - 12th Grade  
Course Selection Handbook  
2024-2025

INSTRUCTIONS

- ✓ Study the entire guide with your parents.
- ✓ Include 2 alternate classes you would like to take. If too few students sign up for a particular course, it may be dropped. If you sign up for a course that is dropped, you will be notified and will be given the opportunity to take another course.
- ✓ All students are required to take **8 classes**.
- ✓ **\*\* Students are responsible for seeing that they go to Xello and register for the required courses each year. Students are also responsible for registering for required courses that they have failed and must retake.**

## **Introduction**

This coursebook is designed to help students and parents develop a carefully planned educational program for high school. This plan should be based on established graduation requirements and should reflect the interests and life goals of the student. Students are strongly encouraged to gather information from parents, teachers, and the professional school counselor in their class course selections. Students should select courses that best fit them as a person, with careful thought and research, and their future in mind.

Students are encouraged to develop an education program that clearly prepares them to enter a post-secondary education program and prepares them to enter their chosen field of work. Parents, teachers, and professional school counselors need to assist students in developing an educational plan that takes advantage of the comprehensive academic, career-technology, and fine and practical arts course offerings. Students who plan to go on to play athletics at Division I or II level need to pay special attention to the NCAA Core Courses in order to be eligible for competition, practice, and financial aid.

Students are encouraged to maximize the productivity of their time during the school day. Students are required to enroll in 8 academic classes each semester. Schedule changes can be made prior to the start of the semester. After that time, changes are made only if the change is deemed necessary by one of the building principals, professional school counselors, or teachers.

The mission of Orient - Macksburg School District is to “provide a nurturing environment in which every student can develop a passion for learning and reach personal excellence.” Today’s students face a much more complex and challenging world. As a school system, it is our responsibility to make sure that they are acquiring the skills they will need to be successful. By focusing our efforts on a strong curriculum, instruction, and assessment, as well as making sure students are provided with a supportive environment, we can assure that they will be successful.

The program is arranged to provide for the individual needs of all students through required courses, elective courses, and school activities. Members of the faculty and administration are ready to help you with both your educational and personal concerns whenever necessary. If you have any questions, please notify our school principal, Mr. Grandfield, at #641-352-4800.

### **Non-Description Statement**

It is the policy of the Orient - Macksburg Community School District not to illegally discriminate on the basis of race, color, national origin, gender, disability, religion, creed, age (for employment), marital status (for programs), sexual orientation, gender identity, and socioeconomic status (for programs) in its educational programs and its employment practices. There is a grievance procedure for processing complaints of discrimination that can be found in the student handbook.

**Student Advancement:** When meeting the established criteria, middle school students may be eligible to take and receive credit for high school courses. These credits may count for the diploma requirements and be calculated in the student's overall high school GPA.

**Home School Students:** Home school students will be required to submit transcripts at the end of each semester. Home school grades will be transferred in as pass/fail. Credits accepted are at the discretion of the administration, counselor, and school board. A student will receive a school device if deemed necessary.

**Special Education Students:** Beginning with the class of 2020, it is no longer permissible to award a regular high school diploma based on IEP goal attainment solely. To earn a regular school diploma a student with a disability must complete four years of English, three years of math, three years of social studies, and three years of science. See general classes under the 4 core areas.

Graduation for special education students will be in accordance with the prescribed course of study as described in their Individualized Education Program (IEP). Each student's IEP will include a statement of the projected date of graduation at least 18 months in advance of the projected date and the criteria to be used in determining whether graduation will occur. Prior to the special education student's graduation, the IEP team will determine whether the graduation criteria have been met.

**Graduation:** Students classified as seniors may plan on being eligible for graduation. Seniors who have developed a plan and are accepted and approved by the Orient - Macksburg High School administration for fulfilling Orient - Macksburg High School graduation requirements in the summer following their senior year may participate in commencement ceremonies. Any student who has met the requirements for graduation and who follows the rules set by the administration for the ceremony will be allowed to participate in commencement ceremonies. If for any reason, a student fails to participate in commencement ceremonies, the student shall still receive his or her final progress report and diploma for completion of graduation requirements.

### **\*\*\*VALEDICTORIAN and SALUTATORIAN**

Beginning with the graduating class of 2024, to be eligible for these two awards a student must maintain a full class load their senior year or 8 classes per semester. If a student chooses to graduate early or be part-time they will forfeit their eligibility for these awards. The administration will have the right to make exceptions.

**Early Graduation:** Generally, students will be required to complete the necessary coursework and graduate from high school at the end of grade 12. Students may graduate prior to this time if they meet the minimum graduation requirements as stated in board policy and have the approval of the School Board and a recommendation by the high school principal. Any student requesting/needing early graduation must submit a letter to the high school principal by October 1st prior to the anticipated graduation date.

Upon graduation, a student will no longer be considered a student and will become an alumnus of the school district. The student who graduates early may participate in Commencement exercises.

**Part-Time Student:** Seniors may become part-time the spring of their senior year. Prior to this time, if they meet the minimum graduation requirements as stated in board policy and have the approval of the School Board, a recommendation by the professional school counselor, then approved by the principal. Any student requesting/needing part-time must submit the part-time application to the professional school counselor before the second semester of their senior year.

### **Adding/Dropping Classes**

Students should select courses carefully with the assistance of their families, teachers, and the Professional School Counselor. Requests for course changes should be the exception. We will attempt to construct a schedule that will let students take the courses they request.

#### **Acceptable reasons for changing Course Requests include:**

- Students that are wanting to request a schedule change must schedule an appointment with the HS Professional School Counselor.
- The student would like to move from one level of course to another. For example, move from regular World History to AP World History. This move must be approved by the parent, teacher, and professional school counselor.
- Special Education/At-Risk/ELL/Special Programming placement changes. The course request change must be related to the student's need for a course based upon placement.
- Failure to meet a course prerequisite.
- Seniors must enroll in a course to meet graduation requirements or college entrance requirements. Students will need to provide documentation for the change to be considered for approval.
- Students may add or drop classes for the reasons stated above in the first 3 school days of the semester. Drops after 3 days may result in a grade of "F" and are at the discretion of the professional school counselor and principal.

**\* Course selections by students are used for staffing, budgeting, and other school decisions. Therefore, decisions in regard to course selections will be held firm.**

### **Retaking Classes**

A required course for graduation must be made up if failed by a student. To repeat a class, the following rules and procedures will be in effect:

- The repeated class must be taken within the district.
- In some cases, the class can be retaken using a credit recovery (Edgenuity) online program.
- Credit will only be awarded once for a class. Students cannot gain additional credit by repeating a class.

- The grade earned in the repeated class will be used to calculate the student's cumulative GPA.
- The original course and grade will show on the transcript, but will not be used in any cumulative GPA calculations (the grade earned in the retake course will be used to calculate GPA)
- Acceptance into a class is subject to the availability of seats in the class.
- **Requests that don't meet the above guidelines are subject to administrative approval.**

## **Definition of Terms**

**Credit:** The numerical designation assigned for passing one semester of a course. Most academic subjects receive one credit per semester. Physical Education and any class not meeting on a daily basis for the normal amount of time will receive less than one credit per semester.

**Elective:** An elective subject or course is one chosen from course offerings but not required for graduation. These may be in advanced study in a required subject area or exploratory courses in a variety of interest areas.

**Prerequisite:** The requirement which must be met by establishing a successful record and a passing grade for a particular course prior to another course being taken, e.g. Spanish I is a prerequisite for Spanish II. Some prerequisites may be waived at the professional school counselor's discretion.

**Required Course:** Any course necessary to meet specific requirements set for graduation by the State of Iowa and the Orient - Macksburg School Board.

**Edgenuity:** Edgenuity is an online learning environment that is designed to best match the curriculum taught in the classroom. Students are given the opportunity to take an Edgenuity course after consultation with the course instructor, counselor, and principal and if they meet any of the following circumstances: credit recovery, conflicts in the master scheduling, acceleration, world language courses, or if the need arises for a course to be taught at a lower grade level. Students taking Edgenuity courses work independently in the student success room and at home to complete their courses and gain high school credit. Edgenuity courses are monitored by the Edgenuity coordinator and parents may request to receive weekly progress reports via email.

**Talented and Gifted:** Talented and gifted class is available to students identified for the TAG program. The program is designed to serve the needs of students with academic strengths significantly higher than the regular classroom usually addresses. The identification procedure includes multiple criteria: student application, parent feedback, teacher recommendations, standardized test scores, an Informal interview with TAG teacher, and other factors as they become available. Identification is based upon evidence of very high performance, or potential for performance, in creative thinking and/or critical thinking overall, or in a specific subject area. Student motivation and initiative figure significantly into the identification procedure, so interested students should meet with the building TAG teacher, for more information if needed.

The student application form and parent feedback form are available on the NV district website. The O-M Schools TAG Coordinator is through NV.

## **GRADUATION REQUIREMENTS (53 credits)**

Department	Grade Level	Credit
English	9th–required 10th–required 4 more semesters required	8 credits
Mathematics	9th 10th 11th	6 credits
Science	9th 10th 11th	6 credits
Social Studies	9th 10th 12th	6 Credits
Physical Education	9-12th	4 semesters
Financial Literacy	11th	1 credit
Electives	9-12th	22 credits
CPR Certification	11th-12th	
	<b>TOTAL CREDITS</b>	<b>53 Credits</b>

## **EARNING COLLEGE CREDIT**

### **Senior Year Plus - Definitions and Policies**

The intent of the Senior Plus statute, as developed by the Iowa Department of Education, is to ensure that all students have increased access to courses that have the potential to generate college credit while in high school. There are various ways students can earn college credit while a full time Orient - Macksburg student. They include Post Secondary Enrollment Options (PSEO), Concurrent Enrollment, SWCC Career Academy, Winterset Nursing.

<b>Criteria</b>	<b>PSEO</b>	<b>Concurrent Enrollment</b>	<b>SWCC Career Academy</b>	<b>SWCC Online Career Academy</b>	<b>U of Iowa Belin-Blank Center Online AP Courses</b>
Type of Instruction	Face to Face or online	Face to Face taught at Nodaway Valley & Orient-Macksburg	SWCC-Creston	Online	Online
Student Eligibility-Grade Level	Grades 11-12: grades 9-10 gifted and talented students only	Grades 9-12, plus meet any SWCC entrance requirements	Grades 10-12, plus meet any SWCC entrance requirements	Grades 10-12, plus meet any SWCC entrance requirements	Grades 11-12, and TAG Students in grades 9-10 only. Pending approval and must meet any prerequisites
Student Eligibility-Academic Performance	None	For Arts and Science courses, recommend GPA of 3.5 or higher, ACT of 21 or higher, or teacher/counselor recommendation	In good academic standing, on track to graduate and good attendance	For Arts and Science course, recommend GPA of 3.5 or higher, ACT of 21 or higher, or teacher/counselor recommendation	Recommend GPA of 3.5 or higher, ACT of 21 or higher, or teacher/counselor recommendation
Fees/Transportation	Students can be assessed district cost (up to \$250) if course is failed or not completed. Student is responsible for their own transportation	No cost to student	No cost to student, students are responsible for their own transportation.	No cost to student	Student can be assessed district cost (up to \$350) if course is failed or not completed
Grades	Assigned at the end of term, no progress reports provided	Assigned at end of the term, progress reports per high school policy and procedure	Assigned at end of the term, progress reports provided for concerns	Assigned at end of the term, progress reports provided for concerns	Assigned at end of the term, no progress reports provided

## **POST-SECONDARY EDUCATIONAL OPPORTUNITY (PSEO)**

### **Career & Online Academy Guidelines**

Dual Credit Requirements/Expectations College level classes are available online through SWCC or in rare cases other post-secondary sources. The initial enrollment for an online class is limited to one class and if sophomore year, second semester only. Students may take up to two classes per semester in subsequent semesters if successful in the previous classes. Students enrolled in two dual credit/online college courses in the same semester will be given one scheduled class block per semester unless it is deemed necessary and approved by the administration to have alternate scheduling. Online world language and AP online courses will be given separate scheduled blocks from dual credit online courses. These classes are mainly an option for juniors and seniors. No classes will be offered online if we locally offer the same or similar class in-house. Once the in-house class is taken then the student could take a similar dual

credit course but not at the same time. Students may not enroll in more than 23 college credits in one academic year.

Online dual credit (1 credit O-M and usually 3 credits college) classes require students to be responsible for handling the course load independently. **Students must be responsible and self-disciplined to complete these classes successfully.** These classes may include flexible times and require the submission of materials with no face-to-face communication between the student and teacher. When a student chooses to take these classes, they are starting their college GPA (grade point average) and this GPA will follow them into whatever college they choose to attend.

### **Online & Career Academy Dual Credit Enrollment Criteria:**

- Attendance may be used to approve or deny a student eligibility for these courses.
- Cumulative O-M GPA of 3.00 or higher is recommended to enroll in online dual credit enrollment classes or Career Academy classes.
- Cumulative O-M GPA of 2.50 or higher is recommended to enroll in an Automotive or Construction Academy class.
- Student eligibility may also be determined by achieving the Advanced score (using applicable test data) on the state assessment test.
- Students in Online and Career Academies are required to achieve at least a 2.00 grade in dual credit classes. Students below that in any class will not be allowed to resume online classes for a period of one (1) semester.
- Students must meet all guidelines before re-applying for enrollment.
- Students withdrawing, without penalty, must be within the 3 day O-M requirement. After that, withdrawals are considered an “F” and the student is assigned an O-M HS currently available class. Students may be required to pay for the course or reimburse the school for a portion of the cost if withdrawing or due to poor grades.

Only special circumstances may have this criteria waived by O-M administrative representatives: Time management is an essential skill for some college classes, and you must take the responsibility for planning your study time. A simple rule is that for each hour of class, you may spend about 2 hours outside class reading/researching/writing while preparing for the next class period. Ability to comprehend college level material used in the class is expected.

### **AP Requirements/Expectations:**

Pending State of Iowa funding, Iowa Online Advanced Placement Academy (IOAPA) classes are offered through the University of Iowa and Apex Learning during the school year for O-M upperclassmen. AP courses are designed to prepare the student to take the Advanced Placement Examination administered by the College Board in May of each year. See the professional school counselor for available AP Course options through NV.

### **Online AP Enrollment Criteria:**

- O-M student cap of 6 AP online students per AP class per semester.
- Cumulative O-M GPA of 3.8 or higher to enroll. Attendance may be used to approve or deny a student.
- Student eligibility may also be determined by achieving the Advanced score (using applicable



test data) on the state assessment test.

- Enrollment maximum of 2 AP classes per semester per student.
- Students are required to achieve at least a “C” grade in AP classes. Students below that in any AP class will not be allowed to resume AP classes for a period of one (1) semester. Students must meet all guidelines before re-applying for enrollment.
- Students withdrawing, without penalty, must withdraw within the 3 day O-M requirement. After that, withdrawals are considered an “F” and the student is assigned another O-M, online Edgenuity, or other available class. Students will not be allowed to register for AP classes the subsequent semester.
- **Failed/Withdrawn Courses: Students will be required to pay for the course if withdrawing due to poor grades or to prevent a poor grade, due to being dropped because of lack of activity or because of not being able to handle the workload. The reimbursement cost in which SWCC provides Orient - Macksburg per course each year.**
- Students must meet all guidelines before re-applying for enrollment.

Only special circumstances may have this criteria waived by O-M administrative representatives. Note: Time management is an essential skill for this class, and you must take the responsibility for planning your study time. A simple rule is that for each hour of class, you may spend about 2 hours outside class reading/researching/writing while preparing for the next class period. Ability to comprehend college level material used in the class is expected.

Required materials: Students must purchase textbook and/or required materials for AP courses offered through the University of Iowa, Orient - Macksburg / Nodaway Valley, or Apex Learning.

AP Testing: Nodaway Valley **currently** pays the enrollment fee associated with taking the AP test at the end of the academic year. This applies to a student that takes the AP Course. If a student does not take an AP Course but wishes to take the AP Exam when finished with a High School Course the AP Exam fee will be paid for by the student not the school. Taking the exam does not “guarantee” college credit. Students registered to take the AP Exam but decide not to test will be charged a late cancellation fee of \$40 if past ordering deadline. In some cases the full fee of \$95 may be charged.

All PSEO Enrollment Programs per Iowa Code 281—IAC 22.22(261E) requires the pupil, if over eighteen years of age, or pupil’s parent, guardian, or custodian to reimburse the school district for all costs directly related to all incomplete and non-credit coursework. If documentation is submitted to the school district that verifies the student was unable to complete the course for reasons including but not limited to the student’s physical incapacity, a death in the student’s immediate family, or the student’s move to another school district, that verification shall constitute a waiver of the requirement that the student or parent or guardian pay the costs of the course to the school district. An eligible postsecondary institution shall make pro rata adjustments to tuition reimbursement amounts based upon federal guidelines established pursuant to 20 U.S.C. §1091b.

I have read and understand the requirements of PSEO online and Career Academy enrollment.

Parent Signature \_\_\_\_\_ Date \_\_\_\_\_

Student Signature \_\_\_\_\_ Date \_\_\_\_\_

\*\*\*Parents: Due to confidentiality laws, the school does not always have regular access to student grades. Please monitor your student's progress by requesting access to their accounts. All students in AP, dual credit, and ILO classes have access to their online grades

# FINE ARTS

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Art I	x	x	x	x	x	x	1	no
Art II	x	x	x	x	x	x	1	yes

## Art I

**Grade:** 9-12

**Prerequisite:** None

**NCAA Clearinghouse:** Not Approved

**Course Description:** This is a fundamental art class. Open to all students regardless of year in school.

This is an excellent class for those who wish to explore art techniques, history, and appreciation. The class will combine 2D and 3D work. The art appreciation aspect of the class will allow the students, with the help of a wide selection of media, to experience and understand great art from the past, the present, and how they will shape the art of the future. This will afford them the chance to see where we have been as a world society, where we are now, and where we are headed as reflected in great art.

**Credit:** 1

**Term:** Semester or Year

**Required:** No

## Art II

**Grade:** 9-12

**Prerequisite:** Art I

**NCAA Clearinghouse:** Not Approved

**Course Description:** This class is designed to build upon skills learned in Art I and use prior knowledge to advance skill level and critical thinking. This class provides for a little more freedom in project decisions and materials used. Students will be asked to include more discussion/reflection in regards to their work. Both 2D and 3D will be represented in this class which will again demonstrate new techniques, art history, and art appreciation.

**Credit:** 1

**Term:** Semester or Year

**Required:** No

# LANGUAGE ARTS

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
English 9	x					x	2	no
English 10		x				x	2	yes
Composition I (dual)			x	x	x		1	yes
Composition II (dual)			x	x	x		1	yes
American Literature		x	x	x	x		1	yes

British Literature		X	x	x	x		1	yes
Public Speaking (dual)		x	x	x	x		1	yes
Film As Literature	x	x	x	x	x		1	no
Intro to Theatre	x	x	x	x	x		1	no
Humanities I	x	x	x	x	x		1	no
Humanities II	x	x	x	x	x		1	no
Humanities III	x	x	x	x	x		1	no

### English 9

**Grade:** 9

**Credit:** 2

**Prerequisite:** None

**Term:** Year

**NCAA Clearinghouse:** Approved

**Required:** Yes

**Course Description:** This course covers the basics of grammar and mechanics, which are then combined with other writing skills. Students will read various short stories, novels, and a Shakespearean play. Students will also prepare and deliver several different types of speeches.

### English 10

**Grade:** 10

**Credit:** 2

**Prerequisite:** English 9

**Term:** Year

**NCAA Clearinghouse:** Approved

**Required:** Yes

**Course Description:** This course is a continuation of English 9, with the reading of novels, plays, poems, and non-fiction works and the continued development of writing and speaking skills and Business English skills.

### Composition I (Dual Credit)

**Grade:** 11-12

**Credit:** 1

**Prerequisite:** 3 Years of English, grades C or above; exceptions can be made with consent of instructor

**Term:** Semester

**NCAA Clearinghouse:** Approved

**Required:** No

**Course Description:** This course reviews grammar, mechanics, and usage while further developing students' writing skills in preparation for college writing, including MLA documentation and bibliographies. Students will write personal narratives, scholarship essays, and research position papers. This course also serves as an introduction to rhetoric. Students will compile a writing portfolio throughout the semester.

### Composition II (Dual Credit)

**Grade:** 11-12 12

**Credit:** 1

**Prerequisite:** Composition I

**Term:** Semester

**NCAA Clearinghouse:** Approved

**Required:** No

**Course Description:** This course focuses on the art of rhetorical analysis, as well group work and an annotated bibliography. The course concludes a group policy presentation to the public. Students will compile a writing portfolio throughout the semester.

### **American Literature**

**Grade:** 10-12

**Prerequisite:** English 9

**NCAA Clearinghouse:** Approved

**Course Description:** This course outlines the important authors, literary works, and literary movements that our county has produced during its existence. Emphasis is given to the historical and cultural influences that motivate literature's changing forms.

**Credit:** 1

**Term:** Semester

**Required:** No

### **British Literature**

**Grade:** 10-12

**Prerequisite:** English 9

**NCAA Clearinghouse:** Approved

**Course Description:** This course outlines the important authors, literary works, and literary movements that Great Britain has produced during its existence. Three main works are studied: Beowulf, a Shakespearean play, and Animal Farm.

**Credit:** 1

**Term:** Semester

**Required:** No

### **Public Speaking (Dual Credit)**

**Grade:** 10-12

**Prerequisite:** English 9

**NCAA Clearinghouse:** Approved

**Course Description:** This course will examine all types of speaking situations including interpersonal, individual, group, and business speaking, as well as speaking for entertainment and special occasion speaking.

**Credit:** 1

**Term:** Semester

**Required:** No

### **Film as Literature**

**Grade:** 9-12

**Prerequisite:**

**NCAA Clearinghouse:**

**Course Description:** This course will look at the history of film through a literature-based lens, focusing on genres of film/literature. Storylines and character development will be examined, as well as film-specific terms like camera angles, etc.

**Credit:** 1

**Term:** Semester

**Required:** No

### **Introduction to Theatre**

**Grade:** 9-12

**Prerequisite:**

**NCAA Clearinghouse:**

**Course Description:** This course will look at the history of theatre and include chronological play reading and analysis and technical theatre such as set design, costume design, and lighting design.

**Credit:** 1

**Term:** Semester

**Required:** No

### **Humanities I**

**Grade:** 9-12

**Prerequisite:**

**NCAA Clearinghouse:**

**Course Description:** This course will examine art, literature, architecture, religion and other aspects of Humanities from the beginning of time through the Renaissance.

**Credit:** 1

**Term:** Semester

**Required:** No

### **Humanities II**

**Grade:** 9-12

**Prerequisite:**

**Credit:** 1

**Term:** Semester

**NCAA Clearinghouse:**

**Required:** No

**Course Description:** This course will examine art, literature, architecture, religion and other aspects of Humanities from the Renaissance through 1900.

**Humanities III**

**Grade:** 9-12

**Credit:** 1

**Prerequisite:**

**Term:** Semester

**NCAA Clearinghouse:**

**Required:** No

**Course Description:** This course will examine art, literature, architecture, religion and other aspects of Humanities from 1900 through today.

# MATHEMATICS

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requirement?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Algebra I	x	x				x	2	no
Geometry		x	x			x	2	yes
Geometry in Construction		x	x			x	2	yes
Algebra II			x	x		x	2	yes
Consumer Math			x	x	x		1	yes
Technical Math			x	x	x		1	yes

**Algebra I**

**Grade:** 9, 10

**Credit:** 2

**Prerequisite:** None

**Term:** Year

**NCAA Clearinghouse:** Approved

**Required:** Yes

**Course Description:** Some topics studied in this course are addition, subtraction, multiplication, and division of signed numbers; exponentiation; coordinate graphing; polynomials; factoring; systems of equations; radicals; and problem-solving skills. A graphing calculator is used.

**Geometry**

**Grade:** 10, 11

**Credit:** 2

**Prerequisite:** Algebra I

**Term:** Year

**NCAA Clearinghouse:** Approved

**Required:** Yes

**Course Description:** This course provides the student with a solid foundation in the study of angle relationships, induction, deduction, and the principles of logic. The student will develop skills in direct and indirect proofs, learn properties of triangles, polygons, and circles, and use a graphing calculator.

**Geometry in Construction**

**Grade:** 10, 11

**Credit:** 2

**Prerequisite:** Algebra I

**Term:** Year

**NCAA Clearinghouse:** Approved

**Required:** Yes

**Course Description:** This course provides the student with a solid foundation in the study of angle relationships, induction, deduction, and the principles of logic. The student will develop skills in direct and indirect proofs, learn properties of triangles, polygons, and circles, and use a graphing calculator. All context will be connected to the application of construction. Students will also need to be enrolled in Ag Construction & Design I.

**Algebra II**

**Grade:** 11, 12

**Credit:** 2

**Prerequisite:** Algebra I & Geometry

**Term:** Year

**NCAA Clearinghouse:** Approved

**Required:** Yes

**Course Description:** This is a continuation of Algebra I by going beyond its scope in the areas of number systems, polynomials, relations, system of equations, exponents, radicals, and complex numbers. A graphing calculator will be used.

**Consumer Math**

**Grade:** 11, 12

**Credit:** 2

**Prerequisite:** Algebra I, Geometry

**Term:** Semester

**NCAA Clearinghouse:** Approved

**Required:** No

**Course Description:** This course prepares students to apply quantitative reasoning to the complex problems of the real world. We will explore authentic, real-world problems that don't have one solution using mathematical reasoning. Mathematical concepts will include Algebra, Statistics, Probability, and Geometry. Situations will include Finances, Social Issues, Science & Medicine, Sports, Economics and Environment.

**Technical Math**

**Grade:** 11, 12

**Credit:** 2

**Prerequisite:** Algebra I, Geometry

**Term:** Semester

**NCAA Clearinghouse:** Approved

**Required:** No

Technical math equips you with a mathematical foundation for technical and vocational trades, including electrical trades, automotive trades, plumbing, allied health, construction and many more. Concepts are presented entirely within the context of practical on-the-job applications, making the math tangible and relevant.

# SCIENCE

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Animal Science	x	x	x	x	x		1	no

**Animal Science**

**Grade:** 9-12

**Credit:** 1

**Prerequisite:** None

**Term:** Semester

**NCAA Clearinghouse:** Approved

**Required:** No

**Course Description:** This course is designed to look at the more easily identifiable animal husbandry areas, which make up the U.S. agricultural industry. 1st Semester, students will look at biological processes involved in animal husbandry management and develop an understanding of how important these life processes are to animal growth, development and care. Students will have the opportunity to learn about the Domestication and Importance of Livestock; Animal Science Careers; Safety; Anatomy, Physiology, Feeding and Nutrition of Livestock; along with Genetics, Animal Reproduction and Animal Breeding Systems.

## SOCIAL STUDIES

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requirement?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
U.S. History		x				x	2	no
World History	x					x	2	yes
Government				x	x		1	yes
Current Events	x	x	x	x	x		1	no
Social Studies Through Film I		x	x	x	x		1	yes
Social Studies Through Film II		x	x	x	x		1	yes
Psychology			x	x	x		1	no

### U.S. History

**Grade:** 10

**Prerequisite:** World History

**NCAA Clearinghouse:** Approved

**Course Description:** The course will analyze the major political, social, economic, technological, and cultural developments of the history of our nation. Students will do a quick review up to Colonial America, and proceed through the Great Depression, the New Deal, major wars, and other important historical events. We will investigate events, looking into cause and effects - as well as analyzing and evaluating ideas, policies, people, and issues significant to them. The primary purpose of this course is to examine the history of the United States so that students may appreciate their heritage, understand their world. And be prepared to be successful citizens as adults.

**Credit:** 2

**Term:** Year

**Required:** Yes

### World History

**Grade:** 9

**Prerequisite:** None

**NCAA Clearinghouse:** Approved

**Course Description:** The course is an exploratory examination of history from the early civilizations through the Scientific Revolution. Along the way we will uncover information about the Greeks, Romans, Renaissance, and many other time periods in history, primarily focusing on the history of Europe and

**Credit:** 2

**Term:** Year

**Required:** Yes



Asia, although we will also venture into Africa and touch on the Americas - examining their relevance with current world events and conflicts as they arise.

### **Government**

**Grade:** 12

**Credit:** 2

**Prerequisite:** American & World History

**Term:** Year

**NCAA Clearinghouse:** Approved

**Required:** Yes

**Course Description:** Learn how your government works and teach you to make important personal and political decisions. Proper study of this course will equip each student with the knowledge that s/he needs to become a productive and participating member of the greater democratic republic in which we live. We will be drafting a Classroom Bill of Rights. I will be presenting you with different specific elements of government needed to complete this activity. You will be required to attend several city council and school board meetings throughout the year as well. This is important to see politics in action and to introduce your ways to get involved in political processes that matter to you.

### **Current Events**

**Grade:** 9-12

**Credit:** 1

**Prerequisite:** None

**Term:** Semester

**NCAA Clearinghouse:** Not Approved

**Required:** No

**Course Description:** The current events course is designed to help students engage in contemporary topics that impact our daily lives. Students will be asked to analyze local, national, and international news via television, newspapers, documentaries, social media, and the world wide web. We will examine trending topics and explore the who, what, where, when, and how events that shape our world, our place in it, and possibly our future.

### **Social Studies Through Film I**

**Grade:** 10-12

**Credit:** 1

**Prerequisite:** American History

**Term:** Semester

**NCAA Clearinghouse:**

**Required:** No

**Course Description:** Curriculum for this course will involve the viewing and analysis of a number of films, which are meant to represent significant events in history. Film can be a method for the study of history, and that is the goal of this course. Students will view films and participate in related research and study that will allow them to analyze and evaluate the historical accuracy, and in some cases the inaccuracy, portrayed in film. During the course the primary focus will be on three connections between film and history: films as a reflection of the time during which the film was made, film as a philosophical or historical essay from the film maker's perspective, and film as "window on the past", a recreation of past events and the methods used to create historical films.

### **Social Studies Through Film II**

**Grade:** 10-12

**Credit:** 1

**Prerequisite:** American History

**Term:** Semester

**NCAA Clearinghouse:**

**Required:** No

**Course Description:** A continuation of Social Studies Through Film I.

### **Psychology**

**Grade:** 11-12

**Credit:** 1

**Prerequisite:** None

**Semester:** Fall

**NCAA Clearinghouse:** Approved

**Required:** No

**Course Description:** In this course, students investigate why human beings think and act the way they

do. This is an introductory course that broadly covers several areas of psychology. Instructional material presents theories and current research for students to critically evaluate and understand. Each unit introduces terminology, theories, and research that are critical to the understanding of psychology and includes tutorials and interactive exercises.

## AGRICULTURE

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requirement?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Ag Construction & Design I	x	x	x	x		x	2	no
Ag Construction & Design II		x	x	x		x	2	yes
Horticulture	x	x	x	x	x		1	no
Plant Science	x	x	x	x	x		1	no

Most Americans know very little about agriculture, its social and economic significance in the United States, and particularly, its links to human health and environmental quality. Agriculture encompasses the study of economics, technology, political science, sociology, international relations and trade, and environmental problems in addition to biology and sciences. Hopefully those students who enroll in subjects relating to agriculture (America's largest industry--involving more than 20% of our nation's workforce) will develop knowledge of food and fiber production, processing and domestic and international marketing. Agriculturally literate people will have the practical knowledge needed to care for their outdoor environments, which include lawns, gardens, recreational areas, and parks. All students are encouraged to participate in the FFA organization to develop their leadership skills. To maintain FFA membership, a student must be enrolled in at least ONE SEMESTER OF AGRICULTURE EDUCATION PER SCHOOL YEAR.

### **Agriculture Construction & Design I**

**Grade:** 9-12

**Credit:** 2

**Prerequisite:** Enrolled same year as Geometry in Construction

**Term:** Year

**NCAA Clearinghouse:** Not Approved

**Required:** No

**Course Description:** This course is designed to introduce students to the wood-working shop. Students will build projects using the tools in the shop and learn proper safety procedures for each. Students will be required to develop drawings of houses, machine sheds, and other related buildings. The second semester will be dedicated to working in the shop with an emphasis on the care, function, and maintenance of tools and machines. Safe practices in the use of equipment will be stressed. Students will learn the proper use of portable and hand tools. Students are required to complete at least one major project. Students are required to furnish their own materials for their project.

### **Agriculture Construction & Design II**

**Grade:** 10-12

**Credit:** 2

**Prerequisite:** Ag Construction & Design I (grade B+ or above)

**Term:** Year

**NCAA Clearinghouse:** Not Approved

**Required:** No

**Course Description:** AG Construction II will be an extension of what was learned in AG Construction I with an emphasis on tool use and shop safety. This course will include units in fasteners, finishes and safety. The remainder of the year will be dedicated to working in the shop with an emphasis on the care,

function, and maintenance of tools and machines. Safe practices in the use of equipment will be stressed. Students will learn the proper use of portable and hand tools. Students are required to complete at least one major project. Students are required to furnish their own materials for their project.

**Horticulture**

**Grade:** 9-12

**Credit:** 1

**Prerequisite:** None

**Term:** Semester

**NCAA Clearinghouse:** Not Approved

**Required:** No

**Course Description:** If you have ever watered a houseplant, mowed a lawn, or cultivated a garden, you have been introduced to Horticulture. This class is designed to give the student the opportunity to learn plant science which includes: careers in the horticulture industry, plant functions, environmental requirements, many different types of plant propagation, and pest management and safe use of pesticides. Students will also spend be working in our greenhouse planting, transplanting and caring for our plants. This course provides hands-on-instruction in Container-grown plants, landscaping, turf grass management, vegetable production, and proper pruning techniques.

**Plant Science**

**Grade:** 9-12

**Credit:** 1

**Prerequisite:** None

**Term:** Semester

**NCAA Clearinghouse:** Not Approved

**Required:** No

This one semester course offers instruction in this foundation-level course teaching students the form and function of plant systems. Students will study plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students also study the use, growth, and proper care of plants, ground covers, trees and shrubs for landscaping, as well as turf management. Proper use of landscape tools and equipment is included. Extended laboratory experiences include pruning fruit trees, planting and caring for bedding plants, planting and caring for a select list of vegetables, and caring for the school's raised flower bed. Students will also have the opportunity to participate in leadership development, supervised agricultural experience, and career exploration activities through the FFA.

**HEALTH & PHYSICAL EDUCATION**

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Health	x				x		1	no
Physical Education	x	x	x	x	x		1	no
Weight & Fitness	x	x	x	x	x		1	no

**Health**

**Grade:** 9

**Credit:** 2

**Prerequisite:** None

**Term:** Semester

**NCAA Clearinghouse:** Not Approved

**Required:** Yes

**Course Description:** This course covers the development of health and wellness concepts, personal care of body systems, fitness, personal relationship skills such as communication, marriages, family responsibility, family stress and crises, reproduction, birth and parenting, control of disease and disorders, wellness concept, personality, mental health, stress, nutrition, drugs, alcohol, tobacco, health environment, public health, and health care, first aid and personal safety.

**Physical Education**

**Grade:** 9-12

**Credit:** 1

**Prerequisite:** None

**Term:** Semester

**NCAA Clearinghouse:** Not Approved

**Required:** Yes

**Course Description:** Physical fitness, participation, cooperation, getting along, teamwork and sportsmanship are stressed in physical education. A variety of team and individual activities are covered each semester. Basic rules and strategies are covered for each activity. All students need to participate unless they have a doctor's note stating that the student is excused for a certain period. Students also need a doctor's note to restart activities. They are also taught responsibilities by bringing their physical education clothes and shoes. Attendance and participation are a must.

**Weight & Fitness**

**Grade:** 9-12

**Credit:** 1

**Prerequisite:** None

**Term:** Semester

**NCAA Clearinghouse:** Not Approved

**Required:** No

**Course Description:** Students will learn how to safely and properly lift weights.

**WORLD LANGUAGE**-all courses will be offered online

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requirement?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Spanish, French, German, Chinese, Latin I	x	x	x	x		x	2	no
Spanish, French, German, Chinese, Latin II		x	x	x		x	2	yes
Spanish, French III			x	x		x	2	yes
Sign Language I	x	x	x	x		x	2	no
Sign Language II		x	x	x		x	2	yes

*\* Colleges have different admission requirements regarding world language and students should check on specific college requirements. Most two-year colleges do not require world language while most four year colleges require two to three years of the **same** world language in high school.*

**Spanish I (or French, Chinese, German, or Latin)**

**Grade:** 9-12

**Credit:** 2

**Prerequisite:** None

**Semester:** Year

**NCAA Clearinghouse:** Approved

**Required:** No

**Course Description:** Spanish I is an introduction to the Spanish-speaking world. Students will speak, write, and listen to native speakers in order to help them to learn more about the Spanish language. The subject matter pertains to school, home, family, foods, past times, & sports, etc. It is recommended for all college-bound and business students.

### **Spanish II (or French, Chinese, German, or Latin)**

**Grade:** 10-12

**Prerequisite:** Year I of the same language

**NCAA Clearinghouse:** Approved

**Course Description:** Spanish II is a continuation of Spanish I. It reviews the basics of Spanish I and continues on with the present tense, the simple past tense, and familiar command forms and culture. There will be a continued conversational approach with an emphasis on written expression and oral dialogues. It is highly recommended for Level I to continue to Level II, as many colleges recommend 2 years in one foreign language.

**Credit:** 2

**Semester:** Year

**Required:** No

### **Spanish III (or French III)**

**Grade:** 11-12

**Prerequisite:** Year I & II of the same language

**NCAA Clearinghouse:** Approved

**Course Description:** Spanish III will review the present tense, the past tense, and the future. It will cover the remaining tenses and moods in Spanish grammar. There will be a continued conversational and written approach.

**Credit:** 2

**Semester:** Year

**Required:** No

### **Sign Language I**

**Grade:** 9-12

**Prerequisite:** None

**NCAA Clearinghouse:** Approved

**Course Description:**

The first year of Sign Language covers the history of the language and the basics of signing.

**Credit:** 2

**Semester:** Year

**Required:** No

### **Sign Language II**

**Grade:** 10-12

**Prerequisite:** Sign Language I

**NCAA Clearinghouse:** Approved

**Course Description:**

The second year of Sign Language will focus on learning the language to a greater depth.

**Credit:** 2

**Semester:** Year

**Required:** No



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2023-2024

# FINE ARTS

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Art 1	x	x	x	x	x	X	1	no
Art 2	x	x	x	x	x	X	1	yes
Art 3			x	x	x	x	1	Yes
Painting and Ceramics		x	x	x	x		1	yes
Yearbook		x	x	x	x	x	2	no
Photography		x	x	x	x		1	Yes
Choir	x	x	x	x		x	1	no
Band	x	x	x	x		x	1	yes

## Art 1

**Grade:** 9-12

**Credit:** 1

**Prerequisite:** None

**Semester:** Year/semester

**NCAA Clearinghouse:** Not Approved

**Required:** No

**Course Description:** This is a fundamental art class. Open to all students regardless of year in school. This is an excellent class for those who wish to explore art techniques, history, and appreciation. The class will combine 2D and 3D work. The art appreciation aspect of the class will allow the students, with the help of a wide selection of media, to experience and understand great art from the past, the present, and how they will shape the art of the future. This will afford them the chance to see where we have been as a world society, where we are now, and where we are headed as reflected in great art.

**Course Philosophy:**

The arts have intrinsic value and have worth in and of themselves.

Art is found in almost every aspect of life.

The arts play a crucial role in creating cultures and building civilizations.

The arts are a way of growing. When students are exposed to the arts they grow in their ability to comprehend the world around them.

The arts are essential to freedom of inquiry and expression.

Exposure to the arts helps students become better at problem solving and working through

difficult tasks.

## **Art 2**

**Grade:** 10-12

**Credit:** 1

**Prerequisite:** Art 1

**Semester:** Year/semester

**NCAA Clearinghouse:** Not Approved

**Required:** No

**Course Description:** This class is designed to build upon skills learned in Art 1 and use prior knowledge to advance skill level and critical thinking. This class provides for a little more freedom in project decisions and materials used. Students will be asked to include more discussion/reflection in regards to their work. Both 2D and 3D will be represented in this class which will again demonstrate new techniques, art history, and art appreciation.

**Course Philosophy:**

The arts have intrinsic value and have worth in and of themselves.

Art is found in almost every aspect of life.

The arts play a crucial role in creating cultures and building civilizations.

The arts are a way of growing. When students are exposed to the arts they grow in their ability to comprehend the world around them.

The arts are essential to freedom of inquiry and expression.

Exposure to the arts helps students become better at problem solving and working through difficult tasks.

## **Art 3**

**Grade:** 11-12

**Credit:** 1

**Prerequisite:** Art 1 & 2

**Semester:** Year/semester

**NCAA Clearinghouse:** Not Approved

**Required:** No

**Course Description:**

## **Painting and Ceramics**

**Grade:** 10-12

**Credit:** 1

**Prerequisite:** Art 1

**Semester:** Fall/Spring semester

**NCAA Clearinghouse:** Not Approved

**Required:** No

**Course Description:** This class is recommended for students with some art experience and is open to all students who have completed Art 1. Students will work with 3D ceramics and 2D painting. Students will learn about the science behind creating pieces with clay and how subtle changes can alter their work. Students will also experiment with different formulations of paint and experience techniques that teach how to better handle brushes, form more precise dexterity, and the opportunity for freedom of expression and individuality in their artwork.

**Course Philosophy:**

The arts have intrinsic value and have worth in and of themselves.

Art is found in almost every aspect of life.

The arts play a crucial role in creating cultures and building civilizations.

The arts are a way of growing. When students are exposed to the arts they grow in their ability to comprehend the world around them.

The arts are essential to freedom of inquiry and expression.



Exposure to the arts helps students become better at problem solving and working through difficult tasks.

### **Photography**

**Grade:** 9-12

**Credit:** 1

**Prerequisite:** Art 1

**Semester:** Fall/Spring semester

**NCAA Clearinghouse:** Not Approved

**Required:** No

**Course Description:** Photography is about a hundred and fifty years old, but still has a major impact on our culture today. It is technically known as “visual communication”. This course will cover portrait, candid/action, commercial, and other forms of photography as well as how to manipulate the camera to create optical illusions. Students will learn how to operate a DSLR or digital single lens reflex camera. Students will learn to appreciate photographic art form for fun, profit, communication, and as a fine art form. Objectives of the class are:

1. To learn how to operate a manual camera and edit photographs using editing software.
2. To explore photographic related careers.
3. To develop practical knowledge of the camera and how to use it.
4. To develop professional skills vs amateur.
5. To learn how our heritage has been reserved by photography.
6. To develop expertise in the use of the camera to make pictorial statements.

### **Yearbook**

**Grade:** 10-12

**Credit:** 2

**Prerequisite:** No

**Semester:** Year/ Semester

**NCAA Clearinghouse:** Not Approved

**Required:** No

**Course Description:**

Students will be documenting history and producing a yearbook that both serves as a fun way to remember high school as well as recording historical events that may shape the future of NVHS student's lives. This is in a sense more like a job than a class. Students will be responsible for taking photographs, writing features, captions and learning about basic Graphic Design and layouts. Students will be expected to work on the yearbook outside of class time. Emphasis on student work vs. adult work and input is important as this yearbook is a reflection of your time in high school. Students will use both artistic skills and ELA skills to document their experiences as a high schooler as well as their peers to create a well rounded, inclusive yearbook. Students have the opportunity to win photography awards as well as the opportunity to win the National Yearbook Program of Excellence Award for our school.

### **Choir**

**Grade:** 9-12

**Credit:** 1

**Prerequisite:** None

**Semester:** Year

**NCAA Clearinghouse:** Not Approved

**Required:** No

**Course Description:** Learn the fundamentals of singing techniques and musicianship, utilizing music theory and performance skills through a wide variety of traditional and contemporary music. Enjoy the opportunity to perform in several concerts, large group contest, and the musical chorus, role, or technical position. Class requirements may include completing a set number of private/small group lessons per semester (during the school day) as well as concert attendance outside of the school day. Honor and festival choir opportunities are available, as well as Solo/Ensemble music contest in the spring. A Music Department trip is planned every other year. Students must be a participating member of the band or chorus to take advantage of this opportunity.

### **Concert Band**

**Grade:** 9-12

**Credit:** 1

**Prerequisite:** MS Band or Instructor Approval

**Semester:** Year

**NCAA Clearinghouse:** Not Approved

**Required:** No

**Course Description:** NV High School students have the opportunity to learn about and make music as part of the NVHS Concert Band! As written by the NVHS Band students in 2016 “Our mission as a band is to be friendly and supportive, while making music that improves ourselves and inspires others, all while having fun.” Students in band grow as musicians through the study of:

1. Music Literacy (i.e. note names, rhythms, scales, terms, & symbols)
2. Instrument Technique (i.e. embouchure, air support, posture, & finger/ stick technique)
3. Sound Concepts (i.e. tone, intonation, balance, & blend)
4. Music of Various Styles (traditional band music, musicals, film, & pop/rock music)
5. Musical Expression (i.e. performing with and responding to the emotions within music)
6. Professionalism & Leadership (i.e. grit, growth mindset, self-discipline, & teamwork)

The High School Concert Band has five required performances a year. In addition, students in High School Band are also encouraged to participate in Pep Band, Jazz Band, various honor bands, and Solo/ Ensemble Contest. Music students are invited to participate in our bi-annual summer music trip.

## LANGUAGE ARTS

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requirement?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
English 9	x					x	2	no
English 10		x				x	2	yes
English 11			x			x	2	yes
College Prep				x	x		1	yes
Expository Writing				x	x		1	yes
Creative Writing				x	x		1	yes
Media Literacy				x	x		1	yes
Workplace Writing				x	x		1	yes
Non Fiction				x	x		1	yes
Folklore & Mythology				x	x		1	yes
British Literature				x	x		1	yes
Novels				x	x		1	yes

## English 9

**Grade:** 9

**Prerequisite:** None

**NCAA Clearinghouse:** Approved

**Course Description:** This is a year-long course that focuses on composition and literature. Students will be covering writing skills, grammar, and vocabulary, as well as different aspects of literature. Students will look at short stories, nonfiction, and dramas.

**Credit:** 2

**Semester:** Year

**Required:** Yes

## English 10

**Grade:** 10

**Prerequisite:** English 9

**NCAA Clearinghouse:** Approved

**Course Description:** This year-long course blends elements of literature, writing, reading, vocabulary, and speaking and listening. Students will study a variety of types of literature and complete a variety of writing assignments.

**Credit:** 2

**Semester:** Year

**Required:** Yes

## English 11

**Grade:** 11

**Prerequisite:** English 9 and English 10

**NCAA Clearinghouse:** Approved

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**Course Description:** Students will build comprehension, vocabulary, writing, and analytical skills as they read and respond to a selection of works through American literary history. Students will identify and interpret figurative language, elements of plot, theme, mood, symbols, and other literary elements as they read multiple types of fiction and non-fiction texts. Students will produce a variety of writing pieces including research, analysis, reflection, and evaluation.

**Credit:** 2

**Semester:** Year

**Required:** Yes or College Bound Eng

## College Prep Writing

**Grade:** 12

**Prerequisite:** English 11

**NCAA Clearinghouse:** Not Approved

**Course Description:** A writing class focusing on all parts of the writing process to produce sophisticated writing assignments with an emphasis on academic argumentation and research. Students will research a self-selected topic for individual work including a formal paper and presentation. (Ideal for students pursuing a 4-year college/university)

**Credit:** 1

**Semester:** Fall/Spring

**Required:** Yes or College Prep

## Expository Writing

**Grade:** 12

**Prerequisite:** English 11

**College:** Not approved

**Course Description:** A writing class using all parts of the writing process. Students will produce various types of writing for a variety of purposes. Includes study of grammar and mechanics of language. (Ideal for students pursuing a 2-year college/university or junior college)

**Credit:** 1

**Semester:** Fall/Spring

**Required:** No

## Creative Writing

**Grade:** 12

**Prerequisite:**

**NCAA Clearinghouse:** Approved

**Course Description:** Students should have basic writing competence. Goals of the course are for

**Credit:** 1

**Semester:** Fall/Spring

**Required:** No

students to expand their creative writing skills through daily journaling, responding to prompts, and student-chosen writing projects. Students will be expected to read informative texts about the writing process, read and respond to literature, and provide supportive critiques of each other's writing. Creative Writing focuses on the exploration of short fiction and poetry, culminating in a written portfolio that includes one revised short story and three to five polished poems. Students draft, revise, and polish fiction and poetry through writing exercises, developing familiarity with literary terms and facility with the writing process as they study elements of creative writing. Elements of fiction writing explored in this course include attention to specific detail, observation, character development, setting, plot, and point of view. In the poetry units, students learn about the use of sensory details and imagery, figurative language, and sound devices including rhyme, rhythm and alliteration. They also explore poetic forms ranging from found poems and slam poetry to traditional sonnets and villanelles. In addition to applying literary craft elements in guided creative writing exercises, students engage in critical reading activities designed to emphasize the writing craft of a diverse group of authors. Students study short stories, learning how to create believable characters and develop setting and plot. Likewise, students read poetry as well as contemporary writing. Studying the writing technique of a range of authors provides students with models and inspiration as they develop their own voices and refine their understanding of the literary craft. (Ideal for students who express a high interest in poetry and free form writing)

### **Media Literacy**

**Grade:** 11-12

**Prerequisite:** None

**NCAA Clearinghouse:** Not Approved

**Course Description:** This is a semester-long course that focuses on different forms of media outlets and the effects they have on our world. Throughout the semester students will be looking at the history and impact of newspapers, music, television, and the internet on society.

Media Literacy teaches students how to build the critical thinking, writing, and reading skills required in a media-rich and increasingly techno-centric world. In a world saturated with media messages, digital environments, and social networking, concepts of literacy must expand to include all forms of media.

Today's students need to be able to read, comprehend, analyze, and respond to non-traditional media with the same skill level they engage with traditional print sources. A major topic in Media Literacy is non-traditional media reading skills, including how to approach, analyze, and respond to advertisements, blogs, websites, social media, news media, and wikis. Students also engage in a variety of writing activities in non-traditional media genres, such as blogging and podcast scripting.

Students consider their own positions as consumers of media and explore ways to use non-traditional media to become more active and thoughtful citizens. Students learn how to ask critical questions about the intended audience and underlying purpose of media messages, and study factors which can contribute to bias and affect credibility.

**Credit:** 1

**Semester:** Fall or Spring

**Required:** No

**Workplace Writing**-Ideal for students pursuing employment directly after high school

**Grade:** 12

**Prerequisite:** None

**NCAA Clearinghouse:** Not Approved

**Course Description:** Students will study and complete frequent real-world, workplace writing tasks such as job applications and inquiries, cover letters, resumés, incident reports, and other writing tasks including research and analysis.

**Credit:** 1

**Semester:** Fall/Spring

**Required:** No

### **Non Fiction**

**Grade:** 12

**Prerequisite:** None

**NCAA Clearinghouse:**

**Credit:** 1

**Semester:** Fall/Spring

**Required:** No

**Course Description:** Students will read and respond to a variety of nonfiction works of various lengths. Students will build comprehension, vocabulary, writing, and speaking skills as they gather and share information. Features and structures of nonfiction texts will be emphasized as students gather information relating to class- and individually- generated topics.

**Folklore & Mythology**

**Grade:** 12

**Prerequisite:** None

**NCAA Clearinghouse:**

**Course Description:** Students will build vocabulary along with reading, writing, analysis, and speaking skills as they read, respond to, and share various stories. Selection of works may include Greek, Roman, and Norse mythology, the *Iliad* and *Odyssey*, European fairy tales, and the opportunity to study folklore from other cultures.

**Credit:** 1

**Semester:** Fall/Spring

**Required:** No

**British Literature**

**Grade:** 12

**Prerequisite:** None

**NCAA Clearinghouse:**

**Course Description:** Students will build comprehension, vocabulary, writing, and analytical skills as they read and respond to a selection of works from various times in British history. Students will identify and interpret figurative language, elements of plot, theme, mood, symbols, and other literary elements as they read a variety of works including *Beowulf*, Chaucer, and Shakespeare.

**Credit:** 1

**Semester:** Fall/Spring

**Required:** No

**Novels**

**Grade:** 12

**Prerequisite:** None

**NCAA Clearinghouse:**

**Course Description:** Students will develop an understanding of the literary elements and art of fiction in the novel form. Reading, vocabulary, and analytical writing skills will be addressed as students read and discuss a minimum of four class-study novels and two self-selected novels. The class-study novels will be modern classics or contemporary literature representing several genres with consideration of the tastes and trends in young adult fiction

**Credit:** 1

**Semester:** Fall/Spring

**Required:** No

**MATHEMATICS**

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requirement?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Algebra I	x					x	2	no
Geometry	x	x	x			x	2	yes
Algebra II		X	X	X		x	2	yes
Intro to College Algebra			x	x	x		1	yes

College Algebra			x	x	x		1	yes
Intro to College Statistics			x	x	x		1	yes
College Statistics			x	x	x		1	yes
Intro to College Calculus				x	x		1	yes
College Calculus				x	x		1	yes
Consumer Math	x	x	x	x		x	2	yes
Algebraic Thinking			x	x		x	2	yes

### Algebra I

**Grade:** 9

**Credit:** 2

\*Students taking Algebra I in 8th grade must meet a set of requirements determined by the local math department.

**Prerequisite:** None

**Semester:** Year

**NCAA Clearinghouse:** Approved

**Required:** Yes

**Course Description:** This is an introduction to higher mathematics and provides the language for all of mathematics above arithmetic. Students will further their understanding of linear functions to include real world applications. Students will also learn about exponential and quadratic functions through graphing tables and situations. This course provides excellent training in logical thinking and practical applications. Students will also utilize IXL math program for enrichment and the reteaching of topics.

### Geometry

**Grade:** 9-11

**Credit:** 2

**Prerequisite:** Algebra I

**Semester:** Year

**NCAA Clearinghouse:** Approved

**Required:** Yes

**Course Description:** This course will be used to model real world situations. Some of the topics students will learn are as follows: transformations of shapes on a graph and plane, triangle similarity, triangle trigonometry, volume and surface area, geometric proofs, circle geometry, geometric constructions and probability. Students will also utilize IXL math program for enrichment and reteaching of topics.

### Algebra II

**Grade:** 10-12

**Credit:** 2

**Prerequisite:** Algebra I and Geometry

**Semester:** Year

**NCAA Clearinghouse:** Approved

**Required:** Yes

**Course Description:** Algebra II is a course designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as advanced polynomials, imaginary and complex numbers, quadratics, exponential and logarithmic functions, rational and radical functions, probability, data analysis, sequences and series, as well as trigonometric concepts. The content of this course is important for students' success on both the ACT and college mathematics entrance exams. Students who successfully complete Algebra II should take Intro to College Algebra and/or Intro to College Statistics next year.

### Intro to College Algebra

**Grade:** 11-12

**Credit:** 1

**Prerequisite:** Algebra II with C or higher Algebraic Thinking B- or above or Teacher Discretion

**Semester:** Fall Semester

**NCAA Clearinghouse:** Approved

**Required:** No

**Course Description:** Review of Algebra 2 topics as well as advanced factoring, functions, and trigonometry necessary for College Algebra and Calculus.

### **College Algebra**

**Grade:** 11-12

**Credit:** 1

**Prerequisite:** Intro to College Algebra

**Semester:** Spring

**College:** SWCC taught by Mrs. Hennigar

**Required:** No

**Course Description:** This course is the study of advanced algebra and pre-calculus. Topics to include: the real and complex number systems and Cartesian coordinate system. Additional concepts include polynomial, exponential, and logarithmic functions as well as matrix algebra, systems of equations, conic sections and sequences and series.

### **Intro to College Statistics**

**Grade:** 11-12

**Credit:** 1

**Prerequisite:** Algebra II and concurrent enrollment in Intro to College Algebra or teacher recommendation.

**Semester:** Fall

**NCAA Clearinghouse:** Approved

**Required:** No

**Course Description:** Introduction to basic statistics methodology and terms.

### **College Statistics**

**Grade:** 11-12

**Credit:** 1

**Prerequisite:** Intro to College Statistics

**Semester:** Spring

**College:** SWCC taught by Mrs. Hennigar

**Required:** No

**Course Description:** Statistics is a non-calculus based course designed to lay a foundation which will enable students to understand statistical thinking and apply basic statistical techniques. The qualitative and quantitative study in statistics will be useful for students pursuing majors in a wide variety of disciplines: psychology, sociology, business, economics, physical science, biological sciences, education, engineering, journalism, and career and technical programs.

### **Intro to College Calculus**

**Grade:** 12

**Credit:** 1

**Prerequisite:** College Algebra

**Semester:** Fall

**NCAA Clearinghouse:** Approved

**Required:** No

**Course Description:** Review of prerequisite math skills from College Algebra and fundamental skills of High School Calculus.

### **College Calculus**

**Grade:** 9-12

**Credit:** 1

**Prerequisite:** Intro to College Algebra

**Semester:** Spring

**College:** SWCC taught by Mrs. Hennigar

**Required:** No

**Course Description:** This course continues where College Algebra left off. Topics will include, but are not limited to: limits and continuity, derivatives, applications of derivatives, and integration.

### **Consumer Math**

**Grade:** 12

**Credit:** 2

**Prerequisite:** None  
**NCAA Clearinghouse:**

**Semester:** Year  
**Required:** No

**Course Description:** is a branch of math that uses basic math skills in real life situations like shopping, calculating taxes, estimating monthly budget, calculating interest rate for a loan, etc. Teaching kids about spending, saving and other aspects of "money math" will prepare them to make better financial decisions.

**Algebraic Thinking**

**Grade:** 11-12th

**Credit:** 2

**Prerequisite:** Algebra 1 and Geometry

**Semester:** Year

**NCAA Clearinghouse:**

**Required:** No

**Course Description:** Algebraic Thinking is a course designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as advanced polynomials, quadratics, exponential and logarithmic functions, and rational and radical functions.

**SCIENCE**

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Earth and Space Science	x				x		1	no
Biology I	x				x		1	yes
Biology II		x			x		1	Yes
Conceptual Physics		x			x		1	Yes
Conceptual Chemistry			x		x		1	Yes
Environmental Science			x	x	x		1	Yes
Chemistry			x	x		x	2	Yes
Human Anatomy & Physiology			x	x		x	2	Yes
Physics				x		x	2	Yes
Zoology				x	x		1	No
Genetics				x	x		1	No
Forensic Science			x	x	x		1	Yes
Astronomy			x	x	x		1	Yes

**Earth and Space Science**

**Grade:** 9

**Credit:** 1



**Prerequisite:** None

**Semester:** Fall

**NCAA Clearinghouse:** Approved

**Required:** Yes

**Course Description:** This Earth Science course is designed to provide you with a balanced approach to the understanding and applying of scientific concepts, principles, and theories pertaining to the earth and the universe. It will give you a background in the structure of the earth, external and internal sources of energy on Earth, and energy in an out of the atmosphere, plate tectonics, characteristics of the sun and it's position in the universe, planets and other stellar objects in the universe and the forces that govern these. Students study History of Earth, Earth Systems, and Space Systems Units. The topics covered include scientific tools, Earth's internal process, Earth's changing surface, Earth-moon-sun system, The solar system, and Stars and Galaxies.

## **Biology I**

**Grade:** 9

**Credit:** 1

**Prerequisite:** Earth and Space Science

**Semester:** Spring

**NCAA Clearinghouse:** Approved

**Required:** Yes

**Course Description:** Is a study where students learn the concepts of how DNA and Inheritance are related, Evolution, and the role of Natural Selection.

## **Biology II**

**Grade:** 10

**Credit:** 1

**Prerequisite:** Biology I

**Semester:** Fall

**NCAA Clearinghouse:** Approved

**Required:** Yes

**Course Description:** Is a study where students learn the concepts of how Matter and Energy Transformations happen in Ecosystems, Cell Specialization and the importance of Homeostasis in species, and the basis of Matter and Energy in Living Systems .

## **Conceptual Physics**

**Grade:** 10

**Credit:** 1

**Prerequisite:** Biology II

**Semester:** Spring

**NCAA Clearinghouse:** Approved

**Required:** Yes

**Course Description:** Conceptual Physics courses introduce students to simple mechanics to show how to measure, understand and predict motion. Some mathematical formulas will be used, therefore some background in pre-algebra is a plus. The courses emphasize precise measurements and descriptive analysis of experimental results. Topics covered may include energy and motion, kinetic and potential energy, simple machines, momentum, heat, forces, and Newton's 3 laws, electricity and magnetism.

## **Conceptual Chemistry**

**Grade:** 11

**Credit:** 1

**Prerequisite:** Conceptual Physics

**Semester:** Fall

**NCAA Clearinghouse:** Approved

**Required:** Yes

**Course Description:** Basic chemistry class that studies Structure and Property of Matter, Bonding and Chemical Reactions. Conceptual Chemistry courses are practical, nonquantitative chemistry courses designed for students who desire an understanding of chemical concepts and applications. Students taking conceptual Chemistry are those who are unlikely to pursue a science related degree in college or vocation. The content will be presented as an overview. Topics to be covered are trends of periodic table, covalent and ionic bonding, properties of matter, reaction rates, kinetic and quantum theory and simple stoichiometry.

## **Environmental Science**

**Grade:** 11-12

**Credit:** 1

**Prerequisite:** Conceptual Chemistry or Chemistry

**Semester:** Spring

**NCAA Clearinghouse :** Approved

**Required:** Yes

**Course Description:** Students study Interdependent Relationships in Ecosystems, Human Activity and Climate, Human Activity and Biodiversity, and Human Impact and Sustainability Units

## **Chemistry**

**Grade:** 11

**Credit:** 2

**Prerequisite:** Algebra II (or taking simultaneously)

**Semester:** Year

**NCAA Clearinghouse:** Approved

**Required:** No

**Course Description:** Chemistry is a year long laboratory course in the physical sciences. Students who are intending to complete a science related degree in college or go on to a science related vocation should take this course. This course covers the following topics: laboratory measurement and calculation, properties of matter, chemical formulas, equations, the mole, atomic structure, periodic table, chemical bonding, molecular structure, kinetic theory, solids, liquids, gases, energy and disorder, solution chemistry, chemical kinetics, acids, bases, salts, electrolytes, Stoichiometry and gas laws. An understanding of basic mathematics is desirable on the part of the student. A background in Algebra is sufficient to understand the problems involved, and it is required that everyone taking chemistry have credit in Core Plus Math II. Also, it would be desirable to be concurrently enrolled in or have credit in Core Plus Math III. Students should also have credit in 9th Grade Physical Science or the permission of the instructor.

## **Anatomy/Physiology**

**Grade:** 11-12

**Credit:** 1

**Prerequisite:** Chemistry (or taking simultaneously)

**Semester:** Year

**NCAA Clearinghouse:** Approved

**Required:** No

**Course Description:** Usually taken after a comprehensive initial study of biology, Anatomy and Physiology courses present the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals.

## **Physics**

**Grade:** 12

**Credit:** 2

**Prerequisite:** Algebra II, Chemistry, Pre Calc/Trig (or taking simultaneously)

**Semester:** Year

**NCAA Clearinghouse:** Approved

**Required:** No

**Course Description:** Physics is a year long laboratory course in the physical sciences which cover the following topics: Kinematics (which includes speed, velocity, acceleration); dynamics (which include force, impulse, momentum, and Kinetic energy) Two dimensional movement; electricity and magnetism. Since trigonometry is introduced and used throughout the year, it is required that all students interested in taking physics have credit in Core Plus Math III or be concurrently enrolled in Core Plus Math III. Check with the instructor if there are any questions about the math requirement. Students should have credits in Chemistry before enrolling in this course.

## **Zoology**

**Grade:** 12

**Credit:** 1

**Prerequisite:**

**Semester:** Fall

**NCAA Clearinghouse:** Approved

**Required:** No

**Course Description:** Students Survey the nine major phyla of the kingdom Animalia. Zoology is the study of animal life. Students research everything they think to ask about animals, including their

anatomy and interrelationships, their physiology and genetics, and their distributions and habitats. Driven by student interests and questions about the kingdom Animalia.

**Genetics**

**Grade:** 12

**Prerequisite:**

**NCAA Clearinghouse:** Approved

**Course Description:** Students study heredity, or how traits are passed from parents to offspring. The topics of genetics vary and are constantly changing as we learn more about the genome and how we are influenced by our genes. Driven by student interests and questions about heredity.

**Credit:** 1

**Semester:** Fall

**Required:** No

**Forensic Science**

**Grade:** 11-12

**Prerequisite:** Biology, Chemistry

**NCAA Clearinghouse:** Approved

**Course Description:** Students study investigative, physical evidence and analysis. The topics of Forensic Science vary and are constantly changing as we learn more about the genome and how we are influenced by our genes. Driven by student interests and questions about heredity.

**Credit:** 1

**Semester:** Spring

**Required:** No

**Astronomy**

**Grade:** 11-12

**Prerequisite:** Earth Science, Biology, Chemistry

**NCAA Clearinghouse:** Approved

**Course Description:** the study of everything in the universe beyond Earth's atmosphere. That includes objects we can see with our naked eyes, like the Sun , the Moon , the planets, and the star . It also includes objects we can only see with telescopes or other instruments, like faraway galaxies and tiny particles.

**Credit:** 1

**Semester:** Spring

**Required:** No

**SOCIAL STUDIES**

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
World History	x					x	2	no
US History		x				x	2	no
American Government			x	x	x		1	no
Economics			x	x	x		1	no
World Geography	x	x	x	x	x		1	no
Current Issues			x	x	x	x	2	no

Psychology		x	x	x	x		1	no
Abnormal Psychology		x	x	x	x		1	yes
Sociology	x	x	x	x	x		1	no
Sociology II	x	x	x	x	x		1	yes
Social Studies Through Film I			x	x	x		1	yes
Social Studies Through Film II			x	x	x		1	yes

### World History

**Grade:** 9th

**Prerequisite:** None

**NCAA Clearinghouse:** Approved

**Course Description:** In World History, students will look at the civilizations of the ancient world during the first semester. Some of the topics studied are prehistoric man, Ancient Egypt, Ancient Greece and the Roman Empire. We look at these peoples as actual men and women whose goals were much like ours today but lived in different time periods. It is surprising how many of our ideas and ways have their beginning in these ancient peoples.

The next period of study takes a look at Europe during the Middle Ages. This is the age of Kings, Knights and religious wars. In many ways, these were Dark Ages of mankind. Out of these Dark Ages came an Industrial Revolution that modernized the world.

**Credit:** 2

**Semester:** Year

**Required:** Yes

### U.S History

**Grade:** 10th

**Prerequisite:** None

**NCAA Clearinghouse:** Approved

**Course Description:** The purpose of the course in American History (1865 to present) is to acquaint the students with the history of their country. It is designed to develop an appreciation of our vast heritage and reasons for a feeling of patriotism for our great country. No attempt is made to give the student every important person, place or date in our history, as this would be impossible. Instead, the course will be a human approach toward the thoughts and beliefs Americans before your generation had about government, war, civil rights, economy and other aspects of America. Current affairs will be discussed and comparisons will be made between the present and past.

**Credit:** 2

**Semester:** Year

**Required:** Yes

### World Geography

**Grade:** 9-12

**Prerequisite:** None

**NCAA Clearinghouse:** Approved

**Course Description:** World Geography focuses on eight regions of the world: Africa; China; Japan; India; Latin America; the Middle East; Australia/Oceania and Europe. The forces that have shaped the culture and society of each region are discussed in depth, including physical environment, history, religion, education, political thought, and government. Whenever possible, the contemporary relationship between the nations of the regions and the United States will be evaluated. Special features further explore issues, main ideas and present detailed profiles of the people. Current event materials and discussions will be used throughout the course to emphasize situations as of that moment and to compare the present and past.

**Credit:** 1

**Semester:** Fall or Spring

**Required:** No

**Current Issues****Grade:** 11-12**Prerequisite:** None**NCAA Clearinghouse:** Not approved**Credit:** 1**Semester:** Fall or Spring**Required:** No

**Course Description:** Using current events, this elective course focuses on world and local issues that affect students' everyday lives, such as economics, government and conflict. This course uses newspapers, online media, cartoons, and newscasts to support class discussion. Additionally students participate in group projects, presentations and work with primary source materials and opinion pieces in order to better understand the world around them. Topics covered include death penalty, media bias, abortion, physician assisted death, etc.

**American Government****Grade:** 11-12**Prerequisite:** None**NCAA Clearinghouse:** Approved**Credit:** 1**Semester:** Fall or Spring**Required:** Yes

**Course Description** The purpose of the course in American Government is to, first of all, introduce the students to the patterns, forms, and functions of our national, state, and local units of government. Secondly, the course is designed to develop in the student the civic skills, appreciation and ideals necessary for responsible participation in the life of American democracy. Students should know what their government is and also the role they are to play in order to make their government more responsible.

**Economics****Grade:** 11-12**Prerequisite:** None**NCAA Clearinghouse:** Approved**Credit:** 1**Semester:** Fall or Spring**Required:** Yes

**Course Description:** Economics is the study of how individuals and nations make choices about how to use scarce resources to fill their needs and wants. This is a basic class teaching economic principles that can help you make decisions about candidates for political office, political and social issues, and the goals the U.S. should set for itself.

**Sociology I****Grade:** 9-12**Prerequisite:** none**NCAA Clearinghouse:** Approved**Credit:** 1**Semester:** Fall**Required:** No

**Course Description:** Sociology courses introduce students to the study of human behavior in society. These courses provide an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.

**Sociology II****Grade:** 9-12**Prerequisite:** Sociology I**NCAA Clearinghouse:** Approved**Credit:** 1**Semester:** Spring**Required:** No

**Course Description:** Sociology II is a continuation of Sociology I with students focusing on the study of minority groups, families, religion, and cults. Using information from the first semester,

students will focus on how these topics work together to influence group behavior.

**Psychology**

**Grade:** 10-12

**Prerequisite:** None

**NCAA Clearinghouse:** Approved

**Credit:** 1

**Semester:** Fall

**Required:** No

**Course Description:** In this course, students investigate why human beings think and act the way they do. This is an introductory course that broadly covers several areas of psychology. Instructional material presents theories and current research for students to critically evaluate and understand. Each unit introduces terminology, theories, and research that are critical to the understanding of psychology and includes tutorials and interactive exercises.

**Abnormal Psychology**

**Grade:** 10-12

**Prerequisite:** Psychology

**NCAA Clearinghouse:** Approved

**Credit:** 1

**Semester:** Spring

**Required:** No

**Course Description:** An introduction to the study of abnormal behavior. A descriptive survey of major classifications of mental illness with emphasis on anxiety, depression, schizophrenia and personality disorders and emphasizing principles of diagnosis, theories of etiology, and therapeutic approaches.

**Social Studies Through Film I & II**

**Grade:** 10-12

**Prerequisite:** World & US History

**NCAA Clearinghouse:**

**Credit:** 1

**Semester:** Fall/Spring

**Required:** No

**Course Description:** Curriculum for this course will involve the viewing and analysis of a number of films, which are meant to represent significant events in history. Film can be a method for the study of history, and that is the goal of this course. Students will view films and participate in related research and study that will allow them to analyze and evaluate the historical accuracy, and in some cases the inaccuracy, portrayed in film. During the course the primary focus will be on three connections between film and history: films as a reflection of the time during which the film was made, film as a philosophical or historical essay from the film maker’s perspective, and film as “window on the past”, a recreation of past events and the methods used to create historical films.

**FAMILY AND CONSUMER SCIENCES**

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Clothing	x	x	x	x	x		1	no
Housing & Design	x	x	x	x	x		1	no

Food & Nutrition	x	x	x	x	x		1	no
Creative Foods	x	x	x	x	x		1	yes
Child Development	x	x	x	x	x		1	no
Family Living	x	x	x	x	x		1	no
Work Experience			x	x	x	x	2	no
Independent Living	x	x	x	x	x	x	2	yes

### **Clothing**

**Grade:** 9-12

**Prerequisite:** None

**NCAA Clearinghouse:** Not Approved

**Course Description:** Clothing and Textiles allows students to learn about characteristics and uses of different fibers and fabrics. Students will explore careers in the clothing and textile area and will gain some entry-level skills in this area as they learn about trends in fashion, design clothes, and learn to operate the sewing machine. Students will make a duffle bag and an item of clothing for themselves in this class as they gain machine and hand sewing skills, along with pattern alteration skills. Students will learn the vocabulary of the clothing industry. Students will also learn to knit or crochet as part of this class as they learn about careers and cottage industries in the clothing field.

**Credit:** 1

**Semester:** Spring

**Required:** No

### **Housing & Design**

**Grade:** 9-12

**Prerequisite:** Nutrition & Wellness

**NCAA Clearinghouse:** Not Approved

**Course Description:** This class explores careers in housing and interior design fields and introduces students to skills needed in these areas. Students learn about historic trends in housing architecture and furnishings. They learn to design floor plans to meet the housing needs of individuals and families including individuals with special housing needs. Students learn to read, evaluate, and correctly draw floor plans by hand and computer using accepted industry notation. Students will learn to apply the Principles and Elements of Design when selecting furnishings for a variety of settings. Students will learn about materials used in construction and furnishings of homes and will design houses in a variety of styles which may include traditional, Queen Anne, Tiny Houses, Tree Houses to live in, geodesic domes, and bermed homes.

**Credit:** 1

**Semester:** Fall

**Required:** No

### **Food & Nutrition**

**Grade:** 9-12

**Prerequisite:** None

**NCAA Clearinghouse:** Not approved

**Course Description:** In Foods and Nutrition students will learn basic nutrition and will learn cooking methods to maximize nutrient retention as they learn to prepare vegetables, fruits, meats, sugar cookery, and quick breads. Students will also learn the basics of canning and will use the hot-water-bath canning method in lab. Students learn about food borne diseases and how to safely handle raw and cooked foods. Students will follow a variety of recipes as they learn a wide variety of cooking techniques. Students will learn to safely use food preparation equipment and how to maintain a kitchen lab. Students will gain skills in conducting formal evaluations of foods they prepare in class. This class is a prerequisite for

**Credit:** 1

**Semester:** Fall

**Required:** No

Creative Foods.

### **Creative Foods**

**Grade:** 9-12

**Prerequisite:** Food and Nutrition

**NCAA Clearinghouse:** Not Approved

**Course Description:** Creative Foods is the more advanced Foods class and should not be taken until after completing Foods and Nutrition. Students will receive training in ServeSafe and may take the test to become industry certified. Students will gain skills in egg cookery, foam cake making, and appetizers. Students will learn knife skills and will demonstrate these skills as they do Food as Art. Students will learn to decorate cakes as part of their exploration of food-related careers and cottage industries. Later in the class, students will learn about and practice cooking for individuals with dietary limitations. Students will also learn how to modify recipes or diets for people with special dietary needs. Finally, students will learn about the food-related aspects of different cultures as they prepare meals from other countries.

**Credit:** 1

**Semester:** Spring

**Required:** No

### **Child Development**

**Grade:** 9-12

**Prerequisite:** None

**NCAA Clearinghouse:** Not Approved

**Course Description:** In Child Development Class students learn about how children grow and develop from conception through preschool years. This includes physical, emotional, mental, and social growth. Students learn about different styles of parenting and how they impact children. Students also learn about the importance of prenatal care and how decisions during pregnancy can impact the health of the baby as well as the mother. Students will take care of a simulation baby (doll) to practice their infant care skills. This includes taking care of the doll at school and outside of school for a limited time. Students will explore careers including child care, preschool education, neonatal and pediatric medical professions.

**Credit:** 1

**Semester:** Spring

**Required:** No

### **Family Living**

**Grade:** 9-12

**Prerequisite:** None

**NCAA Clearinghouse:** Not Approved

**Course Description:** In Family Living Class students look at families as the basic unit of society and the impact families have on their members. Topics in the class include: the effect of families on the development of children, the impact of society on families, healthy and unhealthy relationships, communication skills, decision making and problem solving skills, the stages of the family life cycle, and how families deal with crisis events. Students will learn about things that should be considered as they graduate from high school and plan to move into their own apartment, house, or school dormitory, as well as things they should evaluate and discuss before getting married. Students will also learn about organizations that provide various types of support for families. Students will explore related careers which may include Family Counseling, social work, grief counseling and mortuary science.

**Credit:** 1

**Semester:** Fall

**Required:** No

### **Work Experience**

**Grade:** 11-12

**Prerequisite:** None

**NCAA Clearinghouse:** Not Approved

**Course Description:** Work Experience is a class for students to gain real-world experience in businesses in the community. Students work on developing soft employability skills including communication skills, interpersonal skills in the workplace, work ethics, and other skills identified by local businesses as skills young employees are often weak in. The instructor meets with the host business supervisor to develop a training plan of skills that is personalized to each student. The host supervisors evaluate the students on

**Credit:** 2

**Semester:** Year

**Required:** No



demonstration of soft skills and job-related skills. The instructor will work with each student’s career goal in arranging for work sites related to their career field. Students wanting to become teachers as well as students wanting to be teacher aides are included in this class. Juniors may take this class for one semester. Seniors may take this course for a semester or a full year. Students can receive credit for a total of 3 semesters of Work Experience.

**Independent Living**

**Grade:** 9-12

**Prerequisite:** None

**NCAA Clearinghouse:** Not Approved

**Course Description:** Independent Living class focuses on skills across the FCS spectrum which can be used to help students find local employment. Many of these skills are also life skills necessary for students to become independent adults.

**Credit:** 2

**Semester:** Fall/Spring

**Required:** No

**BUSINESS**

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Business and Marketing Essentials	x	x	x	x	1		2	No
Business Administration		x	x	x	x		1	Yes
Business Law		x	x	x	x		1	Yes
NV BEST 101		x	x	x		x	2	Yes
NV BEST 201			x	x		x	2	Yes
Financial Literacy			x	x	x		1	no

**Business and Marketing Essentials**

**Grade:** 9-12

**Prerequisite:** None

**NCAA Clearinghouse:** Not Approved

**Course Description:** We explore basic business concepts including economics, government regulation, business ownership, decision making, ethical issues, and technology. We offer opportunities to apply what we learn using pop-up shops during school sporting activities. We incorporate real world current issues and simulations for management.

**Credit:** 1

**Semester:** Fall

**Required:** No

**NV BEST (Building Employability Skills for Tomorrow) 101 and 201**

**Grade:** 10-12

**Prerequisite:** Business and Marketing Ess.

**NCAA Clearinghouse:** Not Approved

**Credit:** 2

**Semester:** Year

**Required:** No



Intro to Agriculture	x	x	x	x		x	2	No
Natural Resources		x	x	x	x		1	No
Horticulture		x	x	x	x		1	No
Greenhouse Management		x	x	x	x		1	No
Crop Production		x	x	x	x		1	No
Ag Business			x	x	x		1	No
Ag Careers			x	x	x		1	No
Ag Leadership			x	x	x		1	No
Ag Communications			x	x	x		1	No
Ag Equipment	x	x	x	x	x		1	No
Ag Welding I			x	x	x		1	No
Ag Welding II			x	x	x		1	Yes
Ag Construction I		x	x	x	x		1	No
Ag Constructions II		x	x	x	x		1	Yes

### **Introduction to Agriculture**

**Grade:** 9-12

**Prerequisite:** This a prerequisite to all AG courses

**NCAA Clearinghouse:** Not Approved

**Course Description:** *Introduction to Agriculture, Food, and Natural Resources (AFNR)* introduces students to the range of agricultural opportunities and the pathways of study they may pursue. Science, mathematics, reading, and writing components are woven in the context of agriculture and students will use the introductory skills and knowledge developed in this course. Woven throughout the course are activities to develop and improve employability skills of students through practical applications. Students will explore career and post-secondary opportunities in each area of the course. This course is the foundation for all agricultural classes at Nodaway Valley & best to be taken as the first course in a 4 year plan.

**Credit:** 2

**Semester:** Year

**Required:** No

### **Natural Resources**

**Grade:** 9-12

**Prerequisite:** Introduction to Ag is preferred

**NCAA Clearinghouse:** Not Approved

**Course Description:** The *Natural Resources and Ecology* course provides students a variety of experiences in the fields of natural resources and ecology. Students will explore hands-on projects and activities while studying topics such as land use, water quality, stewardship, and environmental agencies. Study of the natural world including biomes, land, air, water, energy, use and care as well as a focus on issues surrounding man's interaction with the Earth will be addressed in this course.

**Credit:** 1

**Semester:** Fall

**Required:** No

## **Horticulture**

**Grade:** 10-12

**Credit:** 1

**Prerequisite:** Introduction to Ag is preferred

**Semester:** Fall

**NCAA Clearinghouse:** Not Approved

**Required:** No

**Course Description:** This course will provide the student with essential knowledge and skills necessary for a solid orientation in horticulture. Areas of study include climate and plant growth, botanical nomenclature, anatomy, propagation, vegetable gardening, fruit trees, flower and herb gardening, among others.

## **Greenhouse Management**

**Grade:** 10-12

**Credit:** 1

**Prerequisite:** Introduction to Ag is preferred

**Semester:** Spring

**NCAA Clearinghouse:** Not Approved

**Required:** No

**Course Description:** Students will experience greenhouse production by producing garden and bedding plants as well as hanging flower baskets. Students will market and sell the products utilizing industry standards. Floral production, history, and design will be taught throughout the first part of the semester. Students will finish the semester by designing landscapes for a particular area using appropriate design standards.

## **Crop Production**

**Grade:** 10-12

**Credit:** 1

**Prerequisite:** Introduction to Ag is preferred

**Semester:** Fall

**NCAA Clearinghouse:** Not Approved

**Required:** No

**Course Description:** During this semester course students will study the process of growing and raising crops. Students will be introduced to the propagation, cultivation and harvest for each crop. They will also have the opportunity to investigate alternative crops and will present a project to the class concerning a crop not traditionally grown in the area, or a non-traditional way of growing a traditional crop. The course will conclude with an in-depth look at commodity marketing and a unit on careers in the agronomy industry.

## **Ag Business**

**Grade:** 11-12

**Credit:** 1

**Prerequisite:** Introduction to Ag is preferred

**Semester:** Fall

**NCAA Clearinghouse:** Not Approved

**Required:** No

**Course Description:** *Agricultural Business Foundations* (ABF) introduces students to business management in agriculture. Mathematics, reading, and writing components are woven in the context of agriculture and students will use the introductory skills and knowledge developed in this course throughout subsequent CASE courses. Throughout the course are practical and engaging activities, projects, and problems to develop and improve business and employability skills. Additionally, students investigate and develop viable business plans in order to solve local problems. The business plan ideas are communicated to student peers and members of the professional community.

## **Ag Careers**

**Grade:** 10-12

**Credit:** 1

**Prerequisite:** Introduction to Ag is preferred

**Semester:** Spring

**NCAA Clearinghouse:** Not Approved

**Required:** No

**Course Description:** This semester course will provide a short historical perspective of agricultural careers over the past 200 years as technology and consumer preferences evolved and changed the industry to the present multifaceted machine that it is today. Guest speakers from Iowa universities and colleges

will be invited to speak, as well as local community members employed in agriculture. Students will be given the opportunity to investigate careers of specific interest to them personally and will develop communication and presentation skills over the course of the semester. Students will be required to take an in-depth look at their own interests and aspirations and will complete multiple assignments concerning their future career options and goals. Students will complete a professional resume, cover letter and other business correspondences.

### **Ag Leadership**

**Grade:** 11-12

**Prerequisite:** Introduction to Ag is preferred

**NCAA Clearinghouse:** Not Approved

**Course Description:** This class is designed to discuss leadership and careers. We will look at the skills necessary to be a leader, how to work as a team, manage people, and many career-related things as well. Topics will include team building exercises, personality profiles, career interest profiling, parliamentary procedure, and specific leadership qualities, with others to be developed from student interest. This class will be highly project-oriented and will include writing assignments, team and individual projects, and journals. All information will be presented in terms of how it affects you as a student, an individual, and a future (or current) leader in society.

**Credit:** 1

**Semester:** Spring

**Required:** No

### **Ag Communications**

**Grade:** 11-12

**Prerequisite:** Introduction to Ag is preferred

**NCAA Clearinghouse:** Not Approved

**Course Description:** Students participating in *Agricultural Communications* will learn about agricultural issues that affect us locally and nationally and how we can make a difference. We will focus on individual forms of communication and utilizing it for the betterment of a group. We will learn about all types of agricultural communications such as event planning, debate, marketing, salesmanship, etc.

**Credit:** 1

**Semester:** Spring

**Required:** No

### **Ag Construction I**

**Grade:** 10-12

**Prerequisite:**

**NCAA Clearinghouse:** Not Approved

**Course Description:** The class will concentrate on an introduction to basic skills needed for anyone planning to own a home in the future. Units included are safety, hand/power tools, structural design, and how to make/follow construction plans. Student are required to make a make project/s and that they are responsible to supply their own material for their project.

**Credit:** 1

**Semester:** Spring

**Required:** No

### **Ag Construction II**

**Grade:** 10-12

**Prerequisite:** Ag Constructions I

**NCAA Clearinghouse:** Not Approved

**Course Description:** The class will concentrate on the skills needed to enter the construction field. Units included are safety, hand/power tools, building materials list, blueprint reading, and woodworking construction. Student are required to make a make project/s and that they are responsible to supply their own material for their project.

**Credit:** 1

**Semester:** Spring

**Required:** No

### **Ag Welding I**

**Grade:** 11-12

**Prerequisite:**

**Credit:** 1

**Semester:** Fall



3D Game Design								
3D Game Development								
AP Computer Science Principles			x	x		x		Yes
AP Computer Science A			x	x		x		Yes

### **CS Python Fundamentals**

**Grade:** 9-12

**Prerequisite:** None

**NCAA Clearinghouse:**

**Course Description:**

CS Python Fundamentals is an interactive introductory course for students new to programming that teaches the foundations of computer science using the Python language. Not only will this year-long course prepare students for AP Computer Science A and AP Computer Science Principles, but it will teach students how to think computationally and solve complex problems, skills that are important for every student. This course is a prerequisite to other computer programming classes.

**Credit:** 2

**Semester:** Year

**Required:** No

### **Cybersecurity - Edgenuity**

**Grade:** 11-12

**Prerequisite:** CS Python Fundamentals

**NCAA Clearinghouse:**

**Course Description:**

Cybersecurity is a two semester online course through Edgenuity. The first semester covers the foundations of cybersecurity including computers, operating systems, network security, protecting data, trends and challenges. The second semester will focus on defense against threats.

**Credit:** 2

**Semester:** Year

**Required:** No

### **Project Based Computer Science Courses**

**Grade:** 10-12

**Prerequisite:** Recommended - CS Python Fundamentals

**NCAA Clearinghouse:**

**Course Descriptions:**

**Credit:** 1

**Semester:** Fall or Spring

**Required:** No

**APP DESIGN** In App Design, students learn how to create a real mobile app that can be played on both Apple® and Android® mobile devices. At the end of the course, students have the basic skills to create their own app and potentially publish it to the Apple® App Store or the Google® Play Store.

**MOD DESIGN** Mod Design teaches students how to use Java™, a professional programming language to code their own Advanced mod in Minecraft®. Students will use Eclipse, an industry-standard Java Development program, to create their own creatures with fully customized artificial intelligence and 3D Models, their own interfaces (GUIs) like crafting tables and furnaces. They will also learn advanced Java workflows to create items, blocks, and biomes. Students will have full control over the design and functionality of their Minecraft Mod.

**3D ANIMATION** 3D Animation teaches students how to create their own animated 3D movie while also learning the fundamentals of animation. Using Blender®, a professional open-source 3D animation software, students use the same industry-standard techniques and workflows as animators in leading

animation studios. By the end of the course, students will complete an incredible 3D Animation that they created from scratch.

**3D CHARACTER ANIMATION** In 3D Character Animation, students will animate their own Minecraft® story. Using professional animation software, they will learn concepts of storytelling, cinematography, and composition, along with key principles of animation, to create an exciting, unique story.

**3D GAME DESIGN** In 3D Game Design, students learn the basics of 3D video game design including models, textures, volumes, lighting, and more. Students will create their own amazing 3D world from start to finish.

This is a project-based course where students take on the role of creator. In addition to technical skills, students develop the creative, critical thinking, and problem-solving skills necessary to build amazing projects from start to finish. Throughout the course, students will use a 3D game design program called OWL Game Creator, which mirrors professional tools and allows students to quickly create complex 3D games.

**3D GAME DEVELOPMENT** In 3D Game Development, students learn the fundamentals of Coding in C# and game development skills by using Unity®, an industry-standard tool. Students will design their own custom video game just like the pros.

**3D PRINTING AND MODELING** In 3D Printing & Modeling, students learn how to sculpt, texture, arrange, and render 3D models in preparation for 3D printing. They learn to use Blender®, a powerful open-source, professional 3D Design software used in a variety of disciplines, including design, animation, visual effects and engineering. In doing so, students learn the most important concepts for creating within a digital 3D environment, including navigating the XYZ Axes, the importance of low-poly designs, combining and modifying simple shapes to create complex designs, and more.

### **AP Computer Science Principles**

**Grade:** 11, 12

**Prerequisite:** CS Python Fundamentals

**NCAA Clearinghouse:**

**Course Description:** AP Computer Science Principles is an introductory college-level computing curriculum that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. Minimum of 2 students needed for this class.

**Credit:** 2

**Semester:** Year

**Required:** No

### **AP Computer Science A**

**Grade:** 11, 12

**Prerequisite:** CS Python Fundamentals, Alg. I, Alg II recom.

**NCAA Clearinghouse:**

**Course Description:** The AP Computer Science A curriculum teaches fundamental programming topics including problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and ethical and social implications of computing. AP Computer Science A will introduce the Java programming language while emphasizing universal language techniques like syntax, semantics, and readability. Students will gain mastery in programming concepts by using a subset of Java features that are required for the AP Computer Science A exam.

**Credit:** 2

**Semester:** Year

**Required:** No



## WORLD LANGUAGE-all courses will be offered online

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Spanish, French, German, Chinese, Latin I	x	x	x	x		x	2	no
Spanish, French, German, Chinese, Latin II		x	x	x		x	2	yes
Spanish, French III			x	x		x	2	yes
Spanish IV				x		x	2	yes
Sign Language I	x	x	x	x		x	2	no
Sign Language II		x	x	x		x	2	yes

\* Colleges have different admission requirements regarding world language and students should check on specific college requirements. Most two-year colleges do not require world language while most four year colleges require two to three years of the **same** world language in high school.

### Spanish I (or French, Chinese, German, or Latin) - Edgenuity

**Grade:** 9-12

**Credit:** 2

**Prerequisite:** None

**Semester:** Year

**NCAA Clearinghouse:** Approved

**Required:** No

**Course Description:** Spanish I is an introduction to the Spanish-speaking world. Students will speak, write, and listen to native speakers in order to help them to learn more about the Spanish language. The subject matter pertains to school, home, family, foods, past times, & sports, etc. It is recommended for all college-bound and business students.

### Spanish II (or French, Chinese, German, or Latin) - Edgenuity

**Grade:** 10-12

**Credit:** 2

**Prerequisite:**

**Semester:** Year

**NCAA Clearinghouse:** Approved

**Required:** No

**Course Description:** Spanish II is a continuation of Spanish I. It reviews the basics of Spanish I and continues on with the present tense, the simple past tense, and familiar command forms and culture. There will be a continued conversational approach with an emphasis on written expression and oral dialogues. It is highly recommended for Level I to continue to Level II, as many colleges recommend 2 years in one foreign language.

### Spanish III (or French III) - Edgenuity

**Grade:** 11-12

**Prerequisite:**

**NCAA Clearinghouse:** Approved

**Course Description:** Spanish III will review the present tense, the past tense, and the future. It will cover the remaining tenses and moods in Spanish grammar. There will be a continued conversational and written approach.

**Credit:** 2

**Semester:** Year

**Required:** No

### Spanish IV - Edgenuity

**Grade:** 12

**Prerequisite:**

**NCAA Clearinghouse:** Approved

**Course Description:** Students will review and expand their knowledge of grammar and vocabulary through the study of current events and relative topics. Greater emphasis on speaking in the target language. Supplementary texts will cover the geography, history, culture, and literature of Spain and Hispanic America. Students will be required to present both written and oral reports on either the Hispanic country or an autonomous region in Spain of their choice. Listening comprehension will be tested through the understanding of tapes and films.

**Credit:** 2

**Semester:** Year

**Required:** No

### Sign Language I

**Grade:** 9-12

**Prerequisite:**

**NCAA Clearinghouse:** Approved

**Course Description:**

The first year of Sign Language covers the history of the language and the basics of signing.

**Credit:** 2

**Semester:** Year

**Required:** No

### Sign Language II

**Grade:** 10-12

**Prerequisite:** Sign Language I

**NCAA Clearinghouse:** Approved

**Course Description:**

The second year of Sign Language will focus on learning the language to a greater depth.

**Credit:** 2

**Semester:** Year

**Required:** No

## HEALTH & PHYSICAL EDUCATION

Course Title	Offered to students in:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
PE/Team Sports	x	x	x	x		x	.50	no
Weight & Speed	x	x	x	x		x	.50	no
Lifetime Fitness	x	x	x	x		x	.50	no

Health	x	x	x	x		x	1	no
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### **PE/Team Sports**

**Grade:** 9-12

**Credit:** .5

**Prerequisite:** None

**Semester:** Year

**NCAA Clearinghouse:** Not Approved

**Required:** Yes

**Course Description:** Students will learn various fundamentals and rules of a variety of lifestyle sports, team sports and group activities. Safety, sportsmanship, skills, techniques and fundamentals will be emphasized. Activities may include, but are not limited to, volleyball, softball, flag football, basketball, soccer, frisbee games, handball, floor hockey, pickleball, badminton and a variety of cooperative games.

### **Weight and Speed**

**Grade:** 9-12

**Credit:** .5

**Prerequisite:** None

**Semester:** Year

**NCAA Clearinghouse:** Not Approved

**Required:** Yes

The goal of this course is for students to learn proper lifting techniques, spotting methods, weight room safety and workout routines. Instruction and workouts will be student-centered and will vary based on student need and student goals. Activities will include, but are not limited to, weight lifting workouts, as well as an emphasis on speed conditioning. Students will work in the areas of muscular strength, endurance and flexibility.

### **Lifetime Fitness**

**Grade:** 9-12

**Credit:** .5

**Prerequisite:** None

**Semester:** Year

**NCAA Clearinghouse:** Not Approved

**Required:** Yes

The goal of this course is to offer a student-centered fitness program to enhance cardiovascular fitness, muscular endurance and flexibility. Knowledge of lifetime wellness and fitness will be covered and emphasized. Activities will include, but are not limited to, circuit training workouts, aerobics, step, kick-boxing, resistance bands, pilates, yoga, walking, dance and basic gymnastics. This course is offered every other year.

### **Health**

**Grade:** 9-10

**Credit:** 2

**Prerequisite:** None

**Semester:** Fall & Spring

**NCAA Clearinghouse:** Not Approved

**Required:** Yes

**Course Description:** This comprehensive course introduces students to a wide range of health subject areas. The areas of study include fitness and nutrition, diseases and disorders, adolescent growth and development, consumer and environmental concerns, and substance use and abuse. Within these areas, students will further explore stress management, teen suicide and human sexuality. Students will also explore public health and gain a better understanding of the role public health plays in their everyday lives.



SWICC Career Academy

### **Class Name: Auto Collision Repair/Refinish**

If you're looking for a rewarding career in the auto industry, SWCC's auto collision repair/refinish career academy program is an excellent place to get started. The program is held on the SWCC Creston campus. Students are trained in areas of panel straightening, refinishing, structural and non-structural repair, plastics repair, welding, mechanical repairs, and estimating. Quality workmanship is the focus of SWCC's auto collision repair program.

**Courses include:**

Year One-Fall: CRR 301 Introduction to Collision Repair- 1 credit  
CRR 101 Sheet Metal Welding-2 credits  
CRR 804 Introduction to Refinishing- 4 credits

Year One-Spring: CRR 201 Plastic Repair-2 credits  
CRR 743 Estimating-3 credits  
CRR 833 Refinishing II-3 credits

Year Two-Fall CRR 324 Sheet Metal Fundamentals-4 credits  
CRR 420 Non-Structural Repair-4 credits

Year Two-Spring CRR 504 Frame & Unibody Damage Analysis-4 credits  
CRR 361 Collision Lab 1-4 credits



### **Class Name: Automotive Repair Technology**

Demand is high for automotive technicians to perform maintenance and light repairs on today's high-tech automobiles.

**Courses Include:**

Year One-Fall: AUT 104 Introduction to Automotive Technology-3 credits  
AUT 404 Automotive Suspension & Steering-4 credits  
AUT 603 Basic Automotive Electricity-3 credits

Year One-Spring AUT 503 Automotive Brake Systems-3 credits  
AUT 652 Advanced Automotive Electricity-3 credits  
AUT 704 Automotive Heating & Air Conditioning-4 credits

Year Two-Fall AUT 163 Automotive Engine Repair-3 credits  
AUT 173 Advanced Automotive Engine Repair-3 credits

Year Two-Spring      AUT 535 Advanced Automotive Brakes & Alignment-5 credits  
AUT 844 Automotive Electronic Engine Controls-6 credits

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**Class Name: Welding Career Academy**

SWCC's welding Career Academy is designed for students to learn basic welding skills along with how to operate tools, identify different metals, and interpret blueprints. Successfully completing the four-course sequence yields a student 12 college credits and a basic welding certificate from Southwestern.

Courses Include:

Year One-Fall:      WEL 111 Welding Blueprint Reading-3 credits  
WEL 114 Introduction to Fabrication-3 credits

Year One-Spring:    IND 114 General Industry Safety-1 credit  
WEL 139 Introduction to Oxyacetylene Welding, Cutting & Brazing-2  
credits  
WEL 162 Introduction to Shielded Metal Arc Welding (SMAW)-3 credits

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**Class Name: Carpentry and Building Trades Course Sequence**

Houses are going up with the hard work of Southwestern's high school carpentry and building trades students! Each year, students from Region 14 work together to build homes. Homes have been sponsored by Clarke County Development Corporation, Decatur County Development Corporation, Habitat for Humanity, and Union County Development Corporation.

Courses include:

Year One-Fall:      CON 141 Basic Construction Skills- 2 credits  
CON 183 Construction Lab IA- 5 credits

Year One-Spring:    CON 155 Carpentry Level I-3 credits  
CON 184 Construction Lab IB-5 credits

Year Two-Fall:      CON 188 Construction Lab IIA-5 credits  
CON 237 Carpentry Level IIA- 3 credits

Year Two-Spring:    CON 189 Construction Lab IIB-5 credits  
CON 276 Carpentry Level IIB- 2 credits

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**Class Name: Health Science Course Sequence**





# SWCC Online Career Academy

## **SWCC Online Career Academy Classes**

Students may register for one online course per semester. Juniors and Seniors may register for



two online courses per semester. Students will be required to have a 2.0 GPA and 21 ACT composite score to enroll in Liberal Arts and Sciences courses or a teacher/counselor recommendation. High school students will have their own SWCC instructors. SWCC Instructors will have weekly contact with the student.

## 2023-2024 Advising Notes for Dual Credit Courses

### **ART 101- Art Appreciation**

**Credits: 3 College Credits/1 HS**

**Course Description:** Art Appreciation is an introduction to the visual arts and explores the nature of art and the mechanisms of creativity, the materials and methods of making art, the purpose of art in various cultures both ancient and contemporary, and the significance of visual literacy in today's world. (720:110) (3, 0)

### **BIO 151 – 3 Credits - Nutrition**

**Credits: 3 College Credits/1 HS**

**Prerequisite:** *One year of high school chemistry or CHM 112 Introduction to Chemistry or equivalent.* Study of an individual's health as related to the influence of nutrients and energy metabolism. Emphasis is on normal nutrition, although discussion of nutrition during disease is included. Designed for students in health related fields. (800:140) (3, 0)

### **BIO 162 - 3 Credits - Essentials of Anatomy and Physiology**

**Credits: 3 College Credits/1 HS**

(Designed for health-related fields.) **Prerequisite:** *One year of high school biology or one year of high school chemistry or CHM 112 Introduction to Chemistry or instructor approval.* Introduces the student to the structure, function, and organization of the human body and all body systems. (800:130) (3, 0)

### **BIO 168 – 4 Credits - Human Anatomy and Physiology I (w/ lab) Credits: 3 College Credits/1 HS**

**Prerequisites:** **BIO 105 Introductory Biology or BIO 112 General Biology I or one year of high school biology within the past five years, and CHM 112 Introduction to Chemistry or one year of high school chemistry within the past five years.**

This course is a study of the structure and function of the human body with combined lecture and laboratory. This is the first semester of a two-semester course. Major topics addressed include levels of organization, basic chemistry and metabolism, cytology and histology. The systems covered include the integumentary, skeletal, muscular, nervous, and endocrine, along with brief associated pathology of each system. Laboratory includes study of both gross and microscopic structure and function with organ and cat dissection included. Three lecture hours, two lab hours. (3, 2)

Advising Notes: Gen Ed Requirement: fulfills science

### **BIO 173 - 4 Credits - Human Anatomy and Physiology II (w/ lab) Credits: 3 College Credits/1 HS**

**Prerequisite: BIO 168 Human Anatomy and Physiology I (w/lab).**

This course is a study of the structure and function of the human body with combined lecture and laboratory. This is the second semester of a two-semester course. Major topics addressed include blood and cardiovascular system, lymphatic system, respiratory system, digestive system, urinary system, and the reproductive system, along with brief associated pathology of each system. Laboratory includes study of both gross and microscopic structure and function with organ and cat dissection included. Three lecture hours, two lab hours. (3, 2)

Advising Notes: Gen Ed Requirement: fulfills science

**BUS 102 – 3 Credits - Introduction to Business**

**Credits: 3 College Credits/1 HS**

An introduction to the functions and practices of modern business and the economic institutions that facilitate the operation of individual business units. The interrelations existing in the various phases of business activity: organization, finance, production, and marketing. (320:110) (3, 0)

**BUS 121 - 3 Credits - Business Communications**

**Credits: 3 College Credits/1 HS**

**Prerequisite: ENG 101 Elements of Writing or minimum ACCUPLACER sentence structure score of 86.** This course is a study of communications for the typical business situation. Topics to be covered are reports and letters of inquiry, orders, credit, collections, sales, and handling disputes. (320:200) (3, 0)

**BUS 161 - 3 Credits - Human Relations**

**Credits: 3 College Credits/1 HS**

This is a course designed to improve students' ability to function in the workplace. This course will work on increasing students' self-awareness and improving their ability to get along with customers, coworkers, and supervisors. The course will build communications and human relations skills. (320:100) (3, 0)

**CSC 110 - 3 Credits - Introduction to Computers**

**Credits: 3 College Credits/1 HS**

**Prerequisites: Student must take NV Intro to computers**

**Prerequisite: Keyboarding skills.** This course is an introductory course that surveys a variety of topics to include history, hardware, software, terminology, communications, computer ethics, and societal impact of computers. In addition to computer literacy, students will complete hands-on modules using operating systems, word processing, database, presentation, and spreadsheet software; such as **Microsoft Office programs**. (360:110) (3, 0)

**ECE 103 – 3 Credits - Introduction to Early Childhood Education**

**Credits: 3 College Credits/1 HS**

Gives students a historical and philosophical foundation of the field of early childhood education. Includes an overview of assessment and trends that influence best practices. Explores careers in the field. Addresses influences of families and diversity. (3, 0)

**EDU 213 – 3 Credits - Introduction to Education**

**Credits: 3 College Credits/1 HS**

**Prerequisite: ENG 105 Composition I is highly encouraged.** This introductory course in education will provide opportunities for the student to gain a fundamental understanding of what is involved in a teaching career. Topics include, but are not limited to, current issues in education, school law, and ethics. Also, it is designed to familiarize students who may not enter the teaching profession with some basic educational principles which will enable them to contribute more adequately to the total educational system. **Students will be required to complete 30-40 hours or more of observation in a K-8 classroom as part of this course.** (640:220) (3, 0)

**ENG 105 – 3 Credits - Composition I**

**Credits: 3 College Credits/1 HS**

**Prerequisite: Recommended ACCUPLACER score.** This is an intensive writing course designed to develop skills in the use of language, clear thinking, critical reading, and effective writing within an essay format. Special emphasis will be placed on development of content, clear organization, sentence and paragraph structure, and correctness in usage, grammar, and mechanics. Research documentation is introduced. (400:110) (3, 0)

**ENG 106 – 3 Credits - Composition II**

**Credits: 3 College Credits/1 HS**

**Prerequisite: ENG 105 Composition I.** This course is intended to build upon the skills students develop in ENG 105 Composition I. As such, the course assumes that students have a basic control of paragraphing, mechanics, grammar, and punctuation. The primary focus of the course shifts from the personal writing of ENG 105 Composition I to analytical, persuasive, and research writing. The course emphasizes critical thinking and clear, coherent development of thought. Using their research skills and the ability to organize the results of information gathering, students will be expected to analyze and present the results of their research in clear, organized, persuasive, and interesting writing projects. (400:111) (3, 0)

**GEO 121 - 3 Credits - World Regional Geography**

**Credits: 3 College Credits/1 HS**

A geographic survey of nations and continents with emphasis on important physical characteristics of the major regions of the world. Attention is devoted to their demographic, economic, political, and cultural development with each other. The course covers physical and cultural geography as well as basic geographical literacy. The human impact on the environment and growing problems of resources are discussed. (500:110) (3, 0)

**HIS 110 - 3 Credits - Western Civilization: Ancient to Early Modern**

**Credits: 3 College Credits/1 HS**

This course explores the cultural, political, literary, and economic aspects of Western civilization from the first civilizations in Mesopotamia and Egypt to the Greeks and Romans. This course also

discusses the conflicts of the Middle Ages, Renaissance, and Reformation. (520:108) (3, 0)

**HIS 111 – 3 Credits - Western Civilization: Early Modern to Present      Credits: 3 College Credits/1 HS**

This course explores the cultural, political, literary, and economic aspects of Western civilization from the practice of absolutism to the intellectual revolutions of science, agriculture, and philosophy. This course also discusses the conflicts of the 18th through 21st centuries. (520:109) (3, 0)

**HIS 151 – 3 Credits - U.S. History to 1877 – Fall Semester      Credits: 3 College Credits/1 HS**

This course explores the cultural, political, literary, and economic aspects of the colonies as they developed into the United States of America. Such topics as the American Revolution, the Constitution, the Trail of Tears, and the Civil War will be examined. (520:220) (3, 0)

**HIS 152 – 3 Credits - U.S. History since 1877 – Spring Semester      Credits: 3 College Credits/1 HS**

This course explores the cultural, political, artistic, and economic aspects of the United States after the Civil War. Such topics as Reconstruction, World War I, the Roaring Twenties, World War II, the Cold War, and subsequent events will be discussed. (520:221) (3, 0)

**HIS 268 – 3 Credits - American Experience in Vietnam      Credits: 3 College Credits/1 HS**

A survey of the 2,000-year history of Vietnam, the French Indochina War and U.S. involvement, the military role, the view from those who participated and discussion of the consequences of American participation in the Asian conflict. The conflict will be viewed within the context of the Cold War and explore the events, attitudes and political scene leading up to the United States' commitment in Southeast Asia. Exploration of the anti-Vietnam War movement will also take place. (520:223) (3, 0)

**HSC 114 – 3 Credits - Medical Terminology      Credits: 3 College Credits/1 HS**

This course will aid in the student's understanding of core medical terms. Attention will be given to prefixes, suffixes and root words used in the medical field. Exercises stressing the spelling, pronunciation, and usage of medical terms are included. (180:118) (3, 0)

**LIT 101 – 3 Credits - Introduction to Literature      Credits: 3 College Credits/1 HS**

As a study of the nature and purpose of literature in our culture, this course will include reading, discussion, and evaluation of literary works (including short stories, drama, and poetry) from different countries and different time periods. (400:120) (3, 0)

**LIT 178 – 3 Credits - Mythological and Biblical Literature      Credits: 3 College Credits/1 HS**

Every culture tells stories of where we came from, who we are, and how we should act toward each other. An understanding of various world mythologies, especially Greek and Roman, and of some basic stories from the Bible, is vital for understanding and appreciating much of the world's literature and art. This course will examine these early oral stories as pieces of literature and how Western culture has referred to these stories. (3, 0)

**MAT 120 – 3 Credits – College Algebra** (Taught by Local Teacher) **Credits: 3 College Credits/1 HS**

**Prerequisite: Recommended ACCUPLACER score or MAT 101 Intermediate Algebra.** Topics to include: the real and complex number systems and Cartesian coordinate system. Additional concepts include polynomial, exponential, and logarithmic functions as well as matrix algebra, systems of equations, conic sections and sequences and series. (900:160) (3, 0)

**MAT 156 – 3 Credits – Statistics** (Taught by Local teacher) **Credits: 3 College Credits/1 HS**

**Prerequisite: Recommended ACCUPLACER score or MAT 101 Intermediate Algebra.** This course provides a foundation of statistical concepts and procedures that can aid the student as both a consumer and producer of statistical information. The course emphasizes descriptive and inferential statistical methods, probability, estimation, hypotheses testing and linear regression. Students are introduced to technology as it applies to introductory statistical methods. (900:130) (3, 0)

**MAT 210 – Calculus I** (Taught by local teacher) **Credits: 4 College Credits/1 HS**

**Prerequisite: Recommended ACCUPLACER score or MAT 127 College Algebra and Trigonometry.** This course continues where MAT 127 College Algebra and Trigonometry left off. Topics will include, but are not limited to: limits and continuity, derivatives, applications of derivatives, and integration. (900:222) (4, 0)

**MGT 101 – 3 Credits - Principles of Management** **Credits: 3 College Credits/1 HS**

**No prerequisite, however BUS 102 Introduction to Business is recommended.** Management principles, as applied to all business enterprises, are covered. Planning, organizing, directing, controlling, and coordinating functions in the management cycle are emphasized. (320:255) (3, 0)

**MGT 110 – 3 Credits - Small Business Management** **Credits: 3 College Credits/1 HS**

This course introduces the student to various types of small business opportunities. Students will use concepts from the course to develop a business plan designed to guide the startup of a new business. The course also covers topics relevant to small business management, including marketing, operational management, financial management, human resource management, and regulations. (320:130) (3, 0)

**MUS 100 – 3 Credits - Music Appreciation**

**Credits: 3 College Credits/1 HS**

This course will help the student learn how to listen to music, to make sense of what he/she hears, and increase his/her perceptive powers. The course covers the changing musical scene from the Renaissance to the present. (780:110) (3, 0)

**MUS 204 – 3 Credits - History of Rock and Roll**

**Credits: 3 College Credits/1 HS**

A study of Rock and Roll from the mid-1950s to the present. Designed to create critical listeners of popular culture music through analysis of song forms, rock band instrumentation, and the political, cultural, and social significance of song lyrics. (3, 0)

**PEC 108 – 3 Credits - Sports and Society**

**Credits: 3 College Credits/1 HS**

Explores pervasive appeal of sports in American society. Interrelationships among sport, behavior, culture and social institutions of business, religion, politics, education and family will be examined. (660:286) (3, 0)

**PNN 208 – 3 Credits - Pharmacology Basics**

**Credits: 3 College Credits/1 HS**

**Recommended for pre-nursing students.** This course enables the student to learn basic principles of drug therapy, including related terminology and legislation, drug properties, and the care provider's role and responsibility for the patient receiving drug therapy. (3, 0)

**PSY 111 – 3 Credits - Introduction to Psychology**

**Credits: 3 College Credits/1 HS**

An introductory course to the scientific study of human behavior and mental processes. This course includes such topics as the background of modern psychology, personality development, brain and behavior, heredity and environment, learning and motivation, emotional processes, intelligence, human interaction, and psychological disorders. (600:100) (3, 0)

**PSY 121 – 3 Credits - Developmental Psychology**

**Credits: 3 College Credits/1 HS**

**Prerequisite: PSY 111 Introduction to Psychology.** This course affords the student an overview of the psychology of human growth and development from conception through death. Emphasis is placed upon the continuous interaction and interrelationship of these processes with environmental forces and conditions that influence patterns of behavior. Major developmental theories are presented: cognitive, personality, social, and behavioral. (600:220) (3, 0)

**SOC 110 – 3 Credits - Introduction to Sociology**

**Credits: 3 College Credits/1 HS**

This survey course explores the discipline of sociology which focuses on human interaction, groups, and society. Topics will include but are not limited to: culture, socialization, social structure and interaction, organization, and various social institutions such as family, religion, politics, deviance, etc. Appropriate language, theory, and research process will be covered. This course is focused primarily upon United States cultural patterns. (620:110) (3, 0)

**SPC 112 - 3 credits - Public Speaking**

**Credits: 3 College Credits/1 HS**

Principles of speech communication; preparation, delivery, and adjustment to the audience; informative and persuasive speaking. Emphasis on both speaking and listening. (3,0)

Advisor Notes: Gen Ed Requirement - Communications

Textbook embedded within course.