

COQUILLE HIGH SCHOOL

CURRICULUM GUIDE

2018 - 2019



541-396-2163

499 WEST CENTRAL • COQUILLE, OR 97423

PURPOSE OF THIS HANDBOOK

This curriculum handbook is designed to provide students, parents, and staff with information necessary to plan a sequence of courses to satisfactorily complete requirements for graduation from Coquille High School. Wise selection and sequencing of courses are important keys to a successful high school career. Teachers and administrators are available to offer assistance in course selection. The initiative, however, must rest with the student since he/she will experience the effects of his/her decisions and how individual efforts and talents are applied.

Students should use this handbook as a resource to answer the following important questions:

1. What do I want to be qualified to do when I leave high school?
2. Am I working each year to meet graduation requirements?
3. Am I selecting courses consistent with my interests and abilities?
4. Am I being realistic when balancing course selection and my time commitments?

Jeff Philley, Principal
Junior and Senior Academic Guidance

Armando Ruiz, Vice Principal
Freshmen and Sophomore Academic Guidance

Cheryl Waddington, Student Information Services Coordinator
Registrar, Grade Records and Student Scheduling

*We are proud of our school and of the quality and number of course offerings we have for you.
We are constantly striving to offer the best possible choices for your educational development.*

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COURSE SELECTION

Course selection is extremely important and should be considered as much a commitment on the part of the student as it is the school. Students are urged to consult with teachers, parents, administration and the student coordinator before making course selections. After securing the basic information, students should discuss their choices with their parents before making final decisions. Parents will be asked to sign a course selection card. The process of developing a master schedule is complex and occasionally results in scheduling limitations for students. It occasionally becomes necessary to cancel some courses because of insufficient student sign-ups. There are also situations when two courses meet at the same time and both cannot be scheduled for the student.

SCHEDULE CHANGES

Students will have 5 school days to make schedule changes at the beginning of each trimester with parent and principal permission. Dropping a class after this time may result in the student losing credit for the class with a failing grade showing on his/her transcript. If a student drops an academic class (all classes except teacher's assistant and work experience) they must add an academic class back to their schedule.

There are no drops after 5 school days

Steps When Adding and Dropping Classes

1. Meet with the principal or student services coordinator
2. Fill out the change of schedule form
3. Obtain the signature from the teacher of the class you are adding
4. Obtain the signature from the teacher of the class you are dropping
5. Obtain parent permission

Return the form to the student services office for final approval and a new schedule.

STUDENT COURSE LOAD

All students must take seven classes.

Juniors and seniors may take work experience.

Seniors

Seniors can choose one of the following options: work experience or Teacher's Assistant.

GRADUATION REQUIREMENTS

Graduating seniors must earn a total minimum of 72 credits. To receive a Coquille High School diploma, Coquille School District students must take their core classes at CHS their entire senior year. Full time Expanded Options students at SWOCC can earn their senior year credits at SWOCC with approval.

English Language Arts – 12 credits

Mathematics – 9 credits at Algebra I and above

Science – 9 credits - (6 with lab experiences)

Social Sciences – 9 credits

Career & Technical Education, The Arts, and/or Second Language – 9 credits (any one area or in combination)

Physical Education – 3 credit

Health Education – 3 credit

Electives – 18 credits

RECOMMENDED COURSE OUTLINE

FRESHMEN	SOPHOMORES	JUNIORS	SENIORS
ENGLISH	ENGLISH	ENGLISH	ENGLISH
MATH	MATH	MATH	GOVERNMENT
PHYSICAL SCIENCE	BIOLOGY	SCIENCE	HEALTH II
PE	GLOBAL STUDIES	US HISTORY	
HEALTH I			

TYPES OF DIPLOMAS

In addition to increasing graduation requirements for graduating Oregon seniors from the Oregon Department of Education (www.ode.state.or.us), there are now multiple diploma types that students can earn.

Regular Diploma: The Regular Diploma requires 72 credits, completed in specific classes. The majority of CHS graduates will receive a Regular Diploma. College and university bound students will work towards a Regular Diploma.

Modified Diploma: The Modified Diploma is a 72 credit diploma that may have less credit requirements, in specific areas, than the regular diploma. Students are placed on a Modified Diploma by a school team, including the parents, and must be identified by the end of their tenth grade year. Modified Diplomas are offered to students when the student needs modified coursework and has a history of documented barriers to their education due to significant learning, behavior, or medical issues. Parents have the right to refuse to have their student on a modified diploma.

Extended Diploma: The Extended Diploma is a diploma that has less credit requirements in specific areas than the Regular/Modified diploma. This is open only to special education students and is determined by the IEP team.

ESSENTIAL SKILLS

The Essential Skills are cross-disciplinary skills necessary for success in college and career. Essential Skills are a part of the Oregon Diploma and articulate the skills that all students should have at the end of high school; the skills that students are building through their school experiences starting in kindergarten. The Essential skills are embedded in the content standards and skill sets that guide Oregon education.

- (1) Read and comprehend a variety of text
- (2) Write clearly and accurately
- (3) Apply mathematics in a variety of settings
- (4) Listen actively and speak clearly and coherently
- (5) Think critically and analytically
- (6) Use technology to learn, live, and work
- (7) Demonstrate civic and community engagement
- (8) Demonstrate global literacy
- (9) Demonstrate personal management and teamwork skills

What is required for graduation?

Students need to prove they have mastered the first three Essential Skills by meeting a benchmark score on the Smarter Balanced Test or from one of the other two categories.

Categories of assessments approved for Essential Skills graduation requirement

1st Category: Statewide Assessment. The statewide assessment given in the 2017-18 school year is the Smarter Balanced Test (replaces OAKS testing).

2nd Category: Other Assessments such as the SAT & ACT

3rd Category: Work Samples administered at the school

CREDIT BY PROFICIENCY

Coquille High School may grant credit towards a diploma or modified diploma to students who demonstrate defined levels of proficiency or mastery of recognized standards, including knowledge and skills (e.g., state academic content standards and essential skills, industry-based or other national or international standards) by completing classroom or equivalent work; passing appropriate exam(s); providing a collection of work or other assessment evidence; documentation of prior learning activities or experiences, or to complete any combination of the above as approved by the district. Each department at the school creates their guidelines for granting credit by proficiency.

PARTICIPATION IN GRADUATION CEREMONIES

Only students who meet the requirements for diplomas will be allowed to participate in the graduation exercises. Seniors must meet all graduation requirements by the deadline determined by the principal to be guaranteed the opportunity participate in graduation exercises.

ALTERNATIVE COURSES OF STUDY

1. Credit Recovery:

The Coquille High School Credit Recovery Program is an option that allows students to recover credits necessary for high school graduation. The program uses online instruction called Odyssey. The program is not designed to replace taking the class from a CHS teacher. For that reason, credit recovery classes cannot be opened until after the end of the grading period in which the class was failed. Students are required to meet with the principal to enroll in the classes. The principal has discretion on when and which classes can be taken as credit recovery. Online coursework cannot replace significant parts of the student's course of study. For example, a student may not take more than one year of English or Science via Odyssey. The principal will have the final decision on credit recovery.

2. Teacher/Office Assistant Students may earn up to three units of credit per year working during one period each day. This is a non-graded class ("P" or "NP"). Students must be registered in a minimum class load to be eligible for the program. Regular attendance is a prerequisite for this class.

3. **Work Experience.** Work experience sites are coordinated by the Work Experience Coordinator. A training agreement will be written between the student and employer. The written agreement will include the learning goals, which the student is expected to achieve. The Work Experience Coordinator and work site personnel will evaluate the student's performance. The attendance requirement is to maintain an 80% attendance rate or be placed on an attendance probation agreement. Work experience will be graded Pass/No Pass
4. **Independent Study:** The purpose of this option is to extend and enrich the curriculum by permitting able and interested students to achieve self-reliance in their education. Students will have taken all on-campus classes offered before requesting Independent Study. The student is expected to have proficiency in the subject field he/she is pursuing. The subject matter involved may be any topic that is agreed upon by both teacher and student. The approval of the principal and counselor is required. Independent study proposals should include a statement of the learning outcomes to be accomplished by the student, how they will be accomplished, and a statement of the completion criteria. Students may apply for independent study only if they are enrolled in the minimum number of classes specified by school policy. Forms are in the counseling office.
5. **Dual Credit/2+2:** Students may earn college credit through SOCC by successfully completing certain courses taught by CHS teachers. Writing 121, Human Anatomy and Spanish 101 are examples.
6. **Expanded Options:** Students can take courses at Southwestern Oregon Community College to fulfill graduation requirements or as an "early start" toward their college work. If it is sponsored by CHS this grade becomes part of their college transcript and will be factored into their college GPA. On-line SOCC classes are also available. Students must take the SOCC placement test. Students and their parent must meet with the principal generally one year in advance to plan this coursework.
7. **Winter Lakes School:** Winter Lakes School is an alternative school in the Coquille School District. Students may be placed at Winter Lakes School by the school administration any time the administration determines the placement is in the best interest of the student. Students who are credit deficient in Coquille's general education setting typically are not permitted to attend Winter Lakes School until the beginning of their Junior year. Students with disabilities have a specific Winter Lakes intake procedure. See the principal or Special Education Director for more details.
8. **SWOCC attendance/enrollment:** Based on the continued availability of funds, students with a clearly articulated college pathway that could benefit from SWOCC classes may be able to take SWOCC classes as part of their high school program. Students and their parent need to meet with the principal in advance to make this plan. Full time SWOCC attendance must be planned in the spring of the junior year. Students must meet certain academic requirements to

be eligible. Students who withdraw or fail a SWOCC class will not have this opportunity in their future program.

RECOGNITION OF VALEDICTORIANS AND SALUTATORIANS

The titles of Valedictorian and Salutarian are awarded to those seniors with the highest and second highest grade point averages at the end of the 11th trimester. The principal may also recognize co-Salutarians or co-Valedictorians at their discretion. To be eligible, a student must have been enrolled no later than the tenth day of the first trimester of his/her senior year. NOTE: Students may repeat classes to obtain higher grades, however the original grades will be used to determine Valedictorian or Salutarian award.

OREGON UNIVERSITY SYSTEM REQUIREMENTS FOR ADMISSIONS

Subject Requirements: High school graduates must satisfactorily complete at least 14 units (42 CHS credits) of college preparatory work with a grade of “C” or higher. Additional college preparatory course work may be considered by some colleges and universities in selectively admitting students

English (4 years): Shall include the study of the English language, literature, speaking and listening, and writing, with emphasis on and frequent practice in writing to meet state standards.

Mathematics (3 years): Shall include first year algebra and two additional years of college preparatory mathematics such as geometry (deductive or descriptive), Algebra II, or advanced math. (One unit is highly recommended in the senior year. Algebra and Geometry taken prior to ninth grade will be accepted.)

Science (3 years): Shall include a year of each in two fields of college preparatory science such as biology, chemistry, physics, or anatomy.

Social Studies (3 years): Shall include one year of U.S. History, one year of global studies (world problems, geography, etc.) one year of a social studies elective (Government strongly recommended), and Economics.

World Language (2 years): Must be two years of the same language.

*University admission continues to become competitive. It is highly recommended that students who will apply to a Oregon 4-year university take as many advanced classes as possible during their high school career. Further, most admission and scholarship committees consider the senior year course selection extremely important. A student who chooses to take a “lighter load” in their senior year runs the risk of being eliminated from consideration.

Grade Point Average Requirement: To be considered for admission, a student must have earned a minimum grade point average in all subjects taken toward graduation in high school, or meet one of the alternatives to the GPA requirements. For specific GPA requirements, see the campus requirements. (All Oregon State Universities will require an overall 3.0 GPA or higher with a grade of “C” or higher in college prep courses.)

Admission Test Requirement: You must submit official scores of the Scholastic Aptitude Test (SAT) or the American College Test (ACT). If you fall below the minimum GPA requirement for admission, your test scores may be used as a way to meet the GPA requirements. However, for most students, test scores will be used primarily for guidance, placement and scholarship purposes.

COURSE DESCRIPTIONS

ART COURSES

ART 1 – This is a yearlong class for the beginning art student, providing a sound footing for the technical-professional career strand and meets the art graduation requirement. The course builds on a beginning foundation of art, drawing and design, introducing students to the use of color, clay, calligraphy, graphics, sculpture, and painting. This is a foundation class for intermediate and advanced art, graphics, graphic productions, and independent studies in art.

05154

ADVANCED ART – This class is for the student interested in pursuing a professional or technical career in the arts. Advanced level studies in drawing, history, design, painting, pottery and sculpture will provide emphasis for the class. Students are expected to participate in local and regional shows and develop critique and display skills. Students will have the opportunity to develop their own individual art styles and interests. Students are required to develop a

portfolio of their work. PREREQUISITE: Art I. A grade of “C” or higher in previous art classes.
05155

CAREER RELATED LEARNING

WORK EXPERIENCE – The Work Experience program is designed to provide seniors with on-the-job training in a given area. This should make students more employable after graduation. Students will receive release time and school credit for successfully completing their work experience. School attendance and teacher recommendation will also be considered. Applications may be obtained from the Counseling Office. Students who are employed may also receive work experience credit. (Student may not receive credit if they work for parents or guardian.) Work Experience will be graded “P/NP – Pass/No Pass”. 19998

ENGLISH COURSES

ENGLISH 1,2,3,4 – The state adopted Common Core guides the development of our English curriculum. Reading, writing, speaking and listening standards provide broad guidance on developing students to be ready for college or their career. Additional high school grade specific standards give detail into what students should be able to know and demonstrate at each grade level. 01001, 01002,01003,01004

FAMILY & CONSUMER STUDIES

EXPLORING FOODS I and II: The Exploring Foods courses offer instruction and laboratory experiences in basic food preparation and nutrition. Units will include the development of basic cooking skills through the preparation of fruits and vegetables, salads, simple quick breads and beginning meal planning. Table setting, manners, safety and sanitation, measuring foods, terminology, and kitchen equipment will also be a part of this course. All foods classes are a combination of bookwork and cooking. 22202

FOODS OF THE WORLD -This is an advanced foods class that will look at and prepare foods from a variety of countries, cultures, and regions including foods from France, Germany, China, and regional America. All foods classes are a combination of bookwork and cooking. PREREQUISITE: Exploring Foods I and II with a passing grade. Offered Spring Term Only. 22202

MATHEMATICS COURSES

Suggested Math Sequence(s):

Algebra 1, Geometry, Algebra 2, Advanced Math, MTH 111/112, Calculus

OR

Principles of Algebra, Principles of Geometry, Technical Math

*All students must pass 9 trimester credits of math for graduation. Students who are going directly to a state four-year university must complete Algebra 2 or higher and earn a passing grade of “C” or better. Placement in math classes will be based upon OAKS math test scores, other district assessments, grades in previous math class and teacher recommendations.

PRE-ALGEBRA – Designed for students who need additional math instruction to prepare them for Algebra. It is important to understand that this class does count toward the three years of high school math requirement. 02051

GENERAL MATH – General Math courses reinforce and expand students’ foundational math skills, such as arithmetic operations using rational numbers. This class is part of the math sequence for students to earn a modified or extended diploma. 02002

PRINCIPLES OF ALGEBRA - This course focuses on linear equations and inequalities, and provides an introduction to quadratic equations. Students will mostly work with integers (whole numbers) and practice applying formulas to real world situations. Prerequisites: passing pre-algebra or scoring in the “nearly met” category on the 8th grade benchmark test. 02069

ALGEBRA 1 - This course develops a deeper understanding of linear equations and inequalities, introduces quadratic equations and other algebraic functions and their graphs. Students will work with a wide variety of real numbers (fractions, square roots, decimals, and absolute values). Prerequisites: scoring “met” or “exceeded” on 8th grade benchmark test or earning an “A” or “B” in high school Pre-Algebra. 02052

PRINCIPLES OF GEOMETRY: This course explores the fundamentals of geometry, including parallel and perpendicular lines, angles, triangles, polygons, and 3-dimensional shapes. Focus

will be placed on the practical applications of geometry. Prerequisites: successfully completing Principles of Algebra (formerly Algebra 1A) or earning a “C” or “D” in Algebra 1. 02071

GEOMETRY - This course focuses on the theoretical and analytical aspects of geometry: postulates, theorems, and geometric proofs. Prerequisite: earning an “A” or “B” in Algebra 1. 02072

TECHNICAL/APPLIED MATH - This course deepens student understanding of algebra, geometry, and data analysis as applied in construction, manufacturing, and technical jobs. This is the class for students who ask, “When will I ever use this?” The course consists of a series of project-based units, ranging from building bridges to designing electrical circuits to measuring the effectiveness of insulation. 02153

ALGEBRA 2 – Algebra II includes operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents. In addition students are introduced to logarithmic functions, conic sections, and trigonometric functions. 02056

ADVANCED MATH - Advanced Math combines the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics include the study of right trigonometric and circular functions, their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; logarithmic, exponential, polynomial, and radical functions, sequences and series; and limits and continuity. 02105

MTH 111,112 - This math sequence is provided through SWOCC and students earn college credit. For some students, this will satisfy all the math requirements they will need in college. For others, it is quality math prep for Calculus.

CALCULUS – Calculus includes the study of, derivatives, differentiation, integration, the definite and indefinite integral and applications of calculus. Typically, students have previously attained knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and math analysis. This class is taken through Chemeketa Community College online at CHS and can be taken as a three part series.

PHYSICAL EDUCATION COURSES

PHYSICAL EDUCATION (PE) – This course is a first year physical education requirement. It encompasses an introductory course to fitness components, team, and/or individual sports. It also covers the health issues of personal health, nutrition, and sports medicine. 08001

LIFETIME FITNESS – This course provides a study of fitness and wellness and their relationship to a healthy lifestyle. Concepts related to fitness and wellness will be presented, evaluation of the student’s level of fitness and wellness will be performed. Students will be asked to incorporate physical fitness and wellness into their daily living. Students will learn and demonstrate their understanding of cardio respiratory endurance, muscular strength and endurance, flexibility, nutrition and weight management. Circuit Training, Weight Training, Body Sculpting, Plyometrics and Core Strength, Aerobic and Anaerobic Workouts, as well as team and individual sports will be used to increase each individual’s fitness levels. 08016

WEIGHT TRAINING – This course helps students develop knowledge and skills with free weights and universal stations while emphasizing safety and proper body positioning. 08009

SCIENCE COURSES

PHYSICAL SCIENCE – A full-year lab course that provides students with the opportunity to explore the major scientific concepts relating to motion and forces, electricity and magnetism, heat and light, chemistry, and the building blocks of matter. Students will get hands-on exposure to concepts through lab activities and experimentation. 03159

BIOLOGY - A full year laboratory course that provides students with a comprehensive study of living things and lays the foundation for future biological studies. The course investigates the microscopic structures of the cell and their processes through the use of the compound microscope. Students also explore the fields of Genetics & Human Heredity, Microbiology, Botany, Zoology and Ecology. Successful completion of this course is required to meet the Oregon high school graduation requirements. 03051

ECOLOGY - Environmental Science courses examine the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources. 03003

PHYSICS - Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The

study of physics includes examination of sound, light, and magnetic and electric phenomena.

03151

HUMAN ANATOMY I & II Human Anatomy and Physiology is a full year, advanced science course designed to prepare students for college and technical courses in the medical and health fields as well as those interested in human performance & athletics. All students interested in pursuing medical or athletic fields of study at the college or university level should take this course. Student will study the structure and function of the human body with an emphasis on how each system plays a vital role in homeostasis. It is designed to familiarize students with the anatomy of each major body system and the chemical functioning of each system. The dissection of the fetal pig will be used in the lab portion of this class. Students should plan to spend a minimum of three –four hours per week outside of class on study and preparing of lab assignments. Completion of the full year sequence is required in order to be eligible for SOCC 6 hours - College Credit. 05035

MEDICAL TERMINOLOGY I and II These courses provide the student with the basic knowledge of building medical terms with root words, suffixes, and prefixes. Also provides medical terminology related to the body as a whole. 14151

INTRO TO HEALTH CARE CAREERS – This course will expose students to a variety of health care professions and the primary professional competencies required for a career in health care. 14001

MEDICAL LAW AND ETHICS – An introduction to the concepts of medical law and health and ethics for health care practitioners. 14999

CHEMISTRY – A college-prep course utilizing experimentation, problem-solving and research to introduce principles. Both experiments and principles are emphasized by repetition in discussion and in solving problems. A study of the nature of matter, atomic theory, the states of matter, kinetic theory, chemical bonding, properties of solutions, acids, bases and salts, chemical reactions, ionization, equations, chemical calculation, stoichiometry, rates of reaction, oxidation and reduction and hydrocarbons. 03101

SOCIAL STUDIES COURSES

GLOBAL STUDIES – This is a yearlong, sophomore-level course required for graduation. Students will acquire the major skills and concepts needed to master the study of geography, including the five themes of geography and how to apply them in the study of the world's geographic regions. This course will familiarize students with the basic geographic features of the earth. It will also look at the role geography plays in the challenges faced by the people in

the following regions: Oceania, United States, Canada, Latin America, Europe, Northern Eurasia, Southwest Asia, North Africa, Sub-Saharan Africa, South Asia, East Asia and Southeast Asia. 04001

U.S. HISTORY - This is a yearlong, junior-level course required for graduation. There will be two major units of study, a mid-term and final exam, and a required project each trimester. The first trimester will include an in-depth study of the early Twentieth Century. Topics to be studied will include the Progressive Era, World War I, the 1920's, and the Great Depression. The second Trimester will include an in-depth study of World War II to the end of the Cold War. Topics to be studied will include the World War II, the Cold War and the Vietnam War. The third Trimester will include an in-depth study of the history of the United States, beginning with the end of World War II to present day. Topics to be studied will include the Civil Rights Movement, pop culture, and current issues. 04103

GOVERNMENT – This is a three-term, senior-level course required for graduation of Coquille High School. Government will give the students an understanding of the basic foundations and types of government. Students will examine the American Federal System, the US. Constitution and the Election process. Students examine the role of the President, the United States Congress and government agencies. Students will have an understanding of basic economics including: supply and demand, production vs. productivity, international money market, and the role of government in the American economy. The class will emphasize State and Local Government. Students will have an understanding of the “Oregon Process”, state and local agencies, county, and city government. 04151

SPECIAL EDUCATION COURSES

LEARNING STRATEGIES – A course for students who have individual education plans. This class may be repeated. 22003

LANGUAGE COURSES

SPANISH 1 – Spanish 1 is a yearlong class for beginning language students. The class is a practical “hands-on” course, involving both oral and written applications of the language. Students will gain a 400-word vocabulary and possess basic communication skills. 06101

SPANISH 2 – Spanish 2 is a continuation of Spanish 1. Spanish 2 is an intermediate World Language course designed to bring students closer to fluency. Students will gain an additional 400-word vocabulary, as well as increase their verb conjugation skills for oral and written

communication. Completion of Spanish 2 meets the Oregon four-year college requirement for admission. 06102

SPANISH 3 & 4 is an advanced course of language study. The course will give students practical communication skills, allowing them to read, write, speak and listen in the target language. Completion of Spanish 3 is recommended for admission into a four-year college. SOCC 2 + 2 credit available, see 11. PREREQUISITE: B or higher from Spanish 2. 06103.06104

ENGLISH AS A SECOND LANGUAGE (ESL) - Students in this class receive extra instruction writing, reading, speaking and listening in English. 51008

MEDIA COURSES

PUBLISHING – Publishing courses provide students with the knowledge and skills necessary to produce the school yearbook or other printed or online applications. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect of the production. 11104

DIGITAL MEDIA - Digital Media Design and Production courses teach students the fundamentals of graphic design and production and provide students with the opportunity to apply these principles to printed media, digital presentation media, and interactive media. 11153

HEALTH

HEALTH 1 – Topics covered includes personal health, nutrition, stress management, substance abuse prevention, disease prevention, first aid, endocrine and reproductive systems and the Life cycle. Students also spend time on their educational plan and profile. 08051

HEALTH 2 – This is a Health and Life Management course that focuses on personal health topics such as nutrition, stress management, drug/alcohol abuse prevention, decision making, consumer education topics, communication and coping skills. 08057

INDUSTRY & ENGINEERING

METALS 1 & 2: This course takes an in depth look at major components of the metals industry and engineering field. Welding, machining, CAD (Computer Aided Drafting), CAM (Computer Aided Machining), design, forge, foundry, and integrated technologies are taught. 13207

METALS CLUSTER 3: In metals cluster, students will apply their skills to design and build community, class, and competitive projects. Projects may include structures, trailers, machines, or other related projects. **PREREQUISITE:** Metals 2 with a grade of “C” or higher and a completed application. 13207

METALS CLUSTER 4: For seniors who will develop a written contract with the instructor for individual class projects. **PREREQUISITE:** Metals Cluster 3 and instructor approval. Metals Cluster 3 with a grade of “C” or higher and instructor approval of senior proposal. SOCC 2 + 2 credit available. 13207

WOODS: It is a project-based class where students study design and build custom projects. This process will involve drafting, design, joint construction, layout, assembly, and finish techniques. Student’s skills will be developed through required and personal projects. 17007

BASIC CONSTRUCTION: This full year course is offered every other year. It will consist of architectural print reading, drafting, site work, foundations, framing, sheeting, basic wiring, roof systems, plumbing, safety, and job related skills. Cabinet building may also be a component of Basic Construction.

COMPUTERS – Topics range from operation and use of computers and information technology, specialized programs, web applications and independent projects. 10049

COMPUTER AIDED DRAFTING AND DESIGN – A yearlong beginning course in CAD (Computer Aided Drafting). An essential course for students interested in Engineering Architecture and all manufacturing trades. We will cover topics from user interface, menus, drawing commands, drawing development, 3D design and pattern development. Students will gain experience for all technical fields. Junior, seniors or instructor approval. 21107

MUSIC COURSES

CONCERT or SYMPHONIC BAND - Emphasis will be placed on study and performance of quality music literature, and comprehensive music theory in a manner that will lead to a greater appreciation of music as an art. *Performances are required including athletic events and festivals. 05102

SOCIETY

LEADERSHIP – Students enrolled in this course will learn leadership skills such as goal setting, time management, communication and organization. Students will be involved in planning activities such as spirit week, staff and student recognition, pep assemblies, community service projects, and other special projects. This course is required for all ASB officers and junior and

senior class officers. Freshmen and sophomore class officers are strongly encouraged to take the course. All other students who are interested must fill out an application and receive instructor approval. 22101

BIO-PSYCHOLOGY – This course explores the physical development of the brain and the endocrine system. Topics include the life span, workings of the mind and body, and the learning and cognitive processes. PREREQUISITE: Junior or Senior standing. 04254

DEVELOPMENTAL PSYCHOLOGY: This course is a survey of social, intellectual and personality development. Topics include personality and individuality, adjustment and breakdown, and social psychology. PREREQUISITE: Junior or Senior standing. 04254

SOCIOLOGY – Students will be introduced to the study of sociology, including research methods and twentieth century thinkers. We will then look at problems facing society, both on the macro and micro level. Problems that will be discussed include racism, ageism, suicide, and alcoholism. This course will also include a study of careers related to sociology. There will be a variety of assignments and a required term project. PREREQUISITE: Junior or Senior standing. This course earns an Elective Credit. 04258

OTHER ELECTIVE COURSES

OFFICE/TEACHER/LIBRARY ASSISTANTS - Students who become school Assistants are able to become efficient in general office practices/procedures and follow directions of teachers. Requires approval of the staff member sponsoring the assistant. Students can only work as an assistant for one class each trimester.

CADET TEACHING - ELEMENTARY/MIDDLE SCHOOL WORK EXPERIENCE - Recommended for students who are interested in teaching, health occupations, social service and counseling students.