

Conrad High School

Course Descriptions



2023-2024 School Year

Grades 9-12

High School Credits

All courses taught at Conrad High School during school time by certified instructors will receive equal credit.

Graduating Class of 2024 Required Courses:

Students are required to pass the following courses in order to meet the graduation requirements.

❖ English 9, 10, 11, 12	40 credits
❖ 2 years of Math	20 credits
❖ 2 years of Health and Physical Education	20 credits
❖ 2 years of Science	20 credits
❖ 1 year of US History	10 credits
❖ 1 year of P.A.D. (Government)	10 credits
❖ 1 year of Fine Arts	10 credits
❖ 1 year of Career and Technical Education	10 credits
❖ 8 Elective courses of your choice	80 credits

Total graduation requirements: 220 credits
(Most students exceed the minimum credits for graduation)

Graduating Classes of 2025 and following years Required Courses:

Students are required to pass the following courses in order to meet the graduation requirements.

- ❖ English 9, 10, 11, 12 4 credits
- ❖ 3 years of Math 3 credits
- ❖ 2 years of Health and Physical Education 2 credits
- ❖ 2 years of Science 2 credits
- ❖ 1 year of US History 1 credits
- ❖ 1 year Government 1 credits
- ❖ 1 additional year of Science or Social Science 1 credits
- ❖ 1 year of Fine Arts 1 credits
- ❖ 1 year of Career and Technical Education 1 credits
- ❖ 7 Elective courses of your choice 7 credits

Total graduation requirements: 23 credits
(Most students exceed the minimum credits for graduation)

Suggested Curriculum for each Year:

<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
English 9	English 10	English 11	English 12
Health and Physical Education	Health and Physical Education	US History	Government
Algebra Prep/ Algebra I/ Geometry	Algebra I/Geometry /Algebra II	Geometry/Algebra II, College Alg, Pre. Calc/ Stats/ Personal Finance	Elective
Intro to Physical Science	Biology	Elective	Elective
Elective	Social science elective	Elective	Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective

Course List Options

<u>English</u>	<u>Science</u>	<u>Math</u>	<u>Social Studies</u>
<ul style="list-style-type: none"> English 9 English 10 English 11 English 12 Intro to Drama Film as Literature Tech Writing 	<ul style="list-style-type: none"> Intro to Physical Sciences Earth Science Biology Chemistry Zoology Botany Physics Anatomy & Physiology Science Investigations Robotics STEAM 	<ul style="list-style-type: none"> Algebra Prep Algebra I Geometry Algebra II Personal Finance Math Dual Credit - College Algebra (M 121) Dual Credit - Precalculus (M 151) Statistics 	<ul style="list-style-type: none"> World History US History Government History of Sports History of WWII Geography Conrad Interactive History
<u>Fine Arts</u>	<u>Ag Education</u>	<u>Family/Consumer Sciences</u>	<u>Business</u>
<ul style="list-style-type: none"> Basic Art Advanced Art Ceramics Murals Choir Band 	<ul style="list-style-type: none"> Intro to Ag. Animal Industry Animal Husbandry Anatomy & Physiology of Livestock Veterinary & Nutritional Science Crop Management Horticultural Science Ag Welding I Advanced Welding 	<ul style="list-style-type: none"> Intro to Family Consumer Science Culinary Arts I Culinary Arts II Child Development I Child Development II Independent Living Housing and Home Design 	<ul style="list-style-type: none"> Computer Apps 1- Integrated Office & Web Tools Accounting Entrepreneurship Digital Media Digital Photography Yearbook
<u>Industrial/Tech Education</u>	<u>Foreign Language</u>	<u>Health/PE</u>	<u>Other</u>
<ul style="list-style-type: none"> Intro to Industrial Arts Mechanical Drafting Architectural Drafting Small Engines Basic Auto Repair Automotive Repair Construction (Woods I) Construction 	<ul style="list-style-type: none"> Spanish I Spanish II Spanish III 	<ul style="list-style-type: none"> Health 9 Health 10 Physical Education 9 Physical Education 10 Weightlifting Life-Long Sports 	<ul style="list-style-type: none"> Trades Academy <ul style="list-style-type: none"> JDU Ford Automotive Certified Nursing Assistant (CNA) Electrician Plumbing Traffic Safety Education Dual Credit Courses

(Woods II)			
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ENGLISH LANGUAGE ARTS

English 9 and English 10

Full-year courses required in each grade. Class integrates all of the language arts and communication skills.

English 11

Full-year course for grade 11. Class integrates all of the language arts and communication skills, including writing of informational and fiction pieces, research, and speech. This course examines the development of American Literature through stories, novels, and poetry from the Colonial era to modern times, including the Native American influence.

English 12

Full-year course for grade 12. Class integrates all of the language arts and communications skills including writing of informational and fiction pieces, research, and speech. This course examines the development of British and World Literature through stories, novels, dramatic works (such as Shakespeare), and poetry spanning from the Old English era to modern times.

Film As Literature

Prerequisite: English 9 & 10

One-semester course

This course looks at movies, TV, and other visual media through the lens of literature. Specific literary elements, such as plot, characterization, setting, and theme, are synthesized and analyzed through discussions, analytical essay writing, and presentations. This course is recommended for juniors and seniors as an elective due to more mature themes, content, and extensive writing assignments. It provides extra strengthening of writing and presentation skills, as well as focus on literary elements, techniques, and styles.

Introduction to Drama

Prerequisite: English 10

One-semester course

In this course we will be examining the history and artistry of the stage, following its earliest roots in the many different cultures of the world, focusing on their unique varieties and styles, and continuing all the way up to the modern period. We will examine dramatic works by a variety of playwrights as well as practice some of the skills used by actors in today's world. Students will be required to learn about the long and glorious history of the stage, its conventions around the world, different styles of plays and dramatic traditions, and at the end of the semester either create a short play in one of these traditions or act one out, following the correct conventions.

Creative Writing

Prerequisite: English 11

One-semester course

Creative Writing is a semester long course that offers students the opportunity to develop and improve their skills in poetry, short stories, script writing, and other forms of prose. The emphasis of the courses is on writing; however, students may study examples and authors to obtain a fuller appreciation of the form and craft. Students will create a portfolio of creative writing samples throughout the course.

Technical Writing

Prerequisite: English 11

One-semester course

Priority goes to students enrolled in the Trades Academy

Full year course which will substitute for English 12. This class will focus less on literature and more on precise informational writing with an emphasis on detail and accuracy. This includes day to day styles of writing that students will need to master for the workforce such as reports, analysis of data, instructional materials and work orders. This also includes methods of writing and speech to aid in getting hired and being retained, as well as small scale public speaking skills relevant for work, such as resumes, cover letters, and interview skills.

SCIENCES:

Introduction to Physical Science

Full-year elective science course for grades 9-12. This course gives the student a basic understanding of basic kinematics, mechanics, and energy along with an introduction to chemistry principles. The end of the year students will explore different types of waves.

Biology

Full-year elective course for grade 10-12. This course is designed to give students a general understanding of biology, which can be used in everyday life. The course includes the study of cells, plants and animal behavior, genetics, and diseases.

Chemistry

Prerequisite: successful completion of Biology

Full-year elective course for grades 11-12. This laboratory course deals with matter and changes in its composition. It includes the study of atoms, atomic theory, chemical bonding, bases, and salts. This course is strongly recommended for college bound students.

Physics

Full-year elective course for grades 11-12. This course is designed for the college bound student who desires to increase his/her knowledge in the physical science area. Some of the topics covered include force, motion, machines, matter, heat, wave motion, light, and sound.

Anatomy and Physiology

Prerequisite: successful completion of Biology

This course is designed to prepare the student for college life sciences. The course emphasizes human physiology and anatomy while stressing cellular chemistry and microbiological aspects and concerns.

Botany

Prerequisite: successful completion of Biology

One semester course

This class will redefine your knowledge of plants by exploring deeper into the various taxonomy including orders and families of plants. An understanding of non-vascular plants and vascular plants including angiosperms and gymnosperms will be developed. Plant identification, parts, physiology, Native American uses will be studied along with plant breeding. How plants are useful to the environment and agriculture around the world will be studied. This class will be a fast paced study of the infinite beauty of plants.

Zoology

Prerequisite: successful completion of Biology

One semester course

This class will increase your knowledge of the various animal phyla in the world. This course will study all the various phyla, classes and orders of animals, their evolution, anatomy, physiology and diversity. In-depth dissections will be performed during class time. How Native Americans and other cultures have used animals over the years for survival and husbandry will also be discussed. Animal ecology and how they contribute to ecosystems will fascinate the learner. This class will be a fast paced study of animals, their uniqueness and importance to earth.

Robotics

Students in 9-12th grade can take this class. Robotics class includes learning how to build, create, and program robots or electronic devices. Students will learn and demonstrate engineering skills, problem solving, creativity, communication, team work, structural analysis, attention to detail and leadership. Various programming types will be discovered, including on the brick following a set of instructions, using the computer to program, using Ipad/phone to demonstrate movement. This class will use Mindstorms EV3 Lego Robotic Robots, Simple Machine Kits and SPIKE Robots. Students in 9-12th grade can take this class.

S.T.E.A.M.

STEAM --Science, Technology, Engineering, Art and Mathematics
Semester Class

No prerequisites

The purpose of this class is to teach students to be STEAM (Science, Technology, Engineering, Arts, Mathematics) thinkers. Students will build a variety of projects using the Engineering Design Process and the Scientific Method. Projects will be developed with the teacher and must include a question, plan and design, build and create, test and evaluate, reflect and improve, and communicate components. Every challenge will be unique, team and individual challenges will be assigned throughout the semester. Creations can be entered into competitions. Students in 9-12 grade can take this class.

MATH:

Algebra Prep

This course concentrates on the knowledge and understanding the students need to become mathematically literate citizens. This course provides the necessary foundation for those who wish to improve their preparation for high school mathematics and science courses. Students are selected for this course based upon their previous background and readiness for Algebra I. Mathematical content includes data collection, presentation and interpretation, introduction to equations and geometry. Use of computers and calculators will be emphasized.

Algebra I

Prerequisite: Algebra Prep or 8th Grade Math

Full-year course for all students planning on attending college. Concepts covered include the language of algebra, math operations on rational numbers (fractions), inequalities, exponents, polynomials, factoring, the properties of functions, graphing functions, solving open sentences and systems of equations, radical expressions, quadratics, This course is a prerequisite for Geometry and Algebra II.

Geometry

Prerequisite: Algebra I

Full-year course for all students planning on attending college. Students will develop and improve their logical capabilities. The basic concepts of Geometry will be covered including reasoning and logic, model's symmetry, transformations, the properties of lines, angles and polygons, solids, trigonometry, circles, area, and volume.

Personal Finance Math

Students will use acquired math skills to solve a variety of problems that demonstrate how financial calculations are used in making daily decisions. This course prepares students for their lives as consumers. Units include wages,

deductions, and net pay; checking and savings accounts; debit cards, credit cards, bank loans; online banking, and tax preparation; housing costs; home budgeting; life, health and property insurance; stocks, bonds, and mutual fund investments; retirement planning and business/office and manufacturing costs.

Algebra II

Prerequisite: Algebra I

For grades 9-12 on College Prep math track. Students develop further math concepts and skills learned in Algebra I and Geometry. Topics covered will include functions, permutations, matrices, systems of equations, quadratic functions and equations, polynomial functions and equations, conic sections, exponential and logarithmic functions, rational functions, trigonometry, probability, statistics, sequences and series. A T1-83 or T1-84 graphing calculator is a required resource for this course. This course is a prerequisite for Precalculus and College Algebra (M 121).

Pre-Calculus

Prerequisite: Algebra II

Full-year course for grade 10-12 on the college-prep and rigorous core math track. This course exposes students to advanced mathematical topics such as relations, functions, solving complex systems of equations, trigonometry, vector analysis, polar coordinate systems, complex numbers, conic sections, exponential and logarithmic functions, sequences and series, probabilities, combinatorics, statistics, and graph theory. Students planning to pursue degrees in engineering, mathematics, medicine, the sciences, or computers will benefit from this class as it provides an excellent background for advanced college math classes. A T1-83 or T1-84 graphing calculator is a required resource for this course. This course is a prerequisite for AP Calculus.

Statistics

Prerequisite: Algebra II

Full-year course for grade 10-12 on the college-prep and rigorous core math track. Course is designed to prepare students for the rigors of college math courses and the AP Statistics exam. Many colleges will grant students who pass the AP Statistics exam (with a specific score) in May one semester's worth of college credit. Students will explore data, examine sampling and experimentation methods, anticipate patterns and use statistical inference. A T1-83 or T1-84 graphing calculator is a required resource for this course.

Dual Credit - College Algebra (M 121)

Prerequisite: Algebra 2 and Qualifying GFC-MSU placement score within the past 3 years.

This course presents concepts, principles and methods of college-level algebra. Topics to be covered include polynomial, rational, radical, exponential, and logarithmic functions and their graphs, and real and complex numbers. This course is a dual credit course, so textbooks, tuition and fees may apply. This course is a prerequisite for Dual Credit - Precalculus (M 151). *Course description from GFC-MSU 2018-2019 catalog.

Dual Credit - Precalculus (M 151)

Prerequisite: M 121 or Qualifying GFC-MSU placement score within the past 3 years.

This course prepares students for calculus. It covers polynomial, rational, exponential, logarithmic and trigonometric functions from an algebraic and a graphical perspective including solving related equations, inequalities and applications. Inverse functions, conics, polar coordinates and equations, parametric equations, and trigonometric laws and identities will also be covered. A T1-83 or T1-84 graphing calculator is a required resource for this course. This course is a dual credit course, so textbooks, tuition and fees may apply. *Course description from GFC-MSU 2018-2019 catalog.

SOCIAL SCIENCES:

World History

This course satisfies global studies requirements for college prep. The first semester focuses on world events from early man to modern culture. The second semester focuses on major cultures of the world. Students will examine traditions, religions, governments, and geography that make up each culture.

U.S. History

This is a required course for graduation. Full-year course for grade 11. First semester is an in-depth review of America's history from the formation of the US Constitution through the Civil War. The second semester focuses on the 20th century history and current happenings in American society.

Government

This is a required course for graduation. This course will aid the student in understanding the structure of the local, state and federal governments and their historical foundations. The emphasis is to prepare the student to assume the role of a well informed citizen and as an intelligent voter. Included are contemporary issues: consumer education, inflation, crime, energy crises, drug and alcohol abuse, child abuse, unemployment, economics, foreign policy, population, pollution, and other topic areas that may arise for the government to solve.

History of Sports

History of Sports examines the development of sports in the United States from the colonial period to the present. Students will explore how unorganized and impromptu athletic activities were transformed into spectator sports at the collegiate and professional level which shaped the economic landscape of the county, and the ways in which sports reflected and informed issues of race, class, gender, ethnicity and international politics. The course will consist of projects, activities, films, readings, lectures, and discussions.

The Second World War

This course covers the inter-war period and World War II, 1939 to 1945. This course is divided into three periods, the European War, the American-European War, and the American-Japanese War. This course will focus primarily on the Allied war efforts (British, American, and Russian) in the Western European, Eastern European, Mediterranean, and Pacific theaters. The campaigns on the ground, in the air, and at sea are studied, analyzed, and discussed. This course is a study of the military conduct of World War II. The political, economic, social, diplomatic, and cultural aspects of the war are examined in relation to the military conduct of war.

Geography

This course studies the distribution, processes, and effects of the human population on the planet through the use of maps, data sets, and geographic models. Through the study of geography, the class will draw from the physical, cultural, economic, and political spheres in order to investigate the places in which we live, why they matter, and the connection to the world. Learning to appreciate the diversity of landscapes, peoples, and cultures and to think critically about the complexities of place in connection with the human movement and interaction.

Conrad Interactive History

This course will study the history of Conrad, Montana from its earliest beginnings as Ft. Conrad into the present day. The course will explore the boom and bust cycle of Conrad from the homestead era, oil booms, ranching and farming operations, the rail lines and the military presence. Projects to be completed in this course include: walking history tours, ghost tours, and overall contributions to the history of Conrad.

ARTS AND MUSIC:

Basic Art

Intended to be an introductory level course. While basic skills will be developed, the emphasis will be on giving students an exposure to as many different types of art media and techniques as possible. Students will become more discriminating in their use of color and design, as well as more aware of the effect art has on their everyday life. Areas that will be covered are the elements of art, drawing, painting, color theory, design, lettering, art appreciation, and sculpture.

Advanced Art

Prerequisite: Basic Art

Methods and media introduced during Basic Art will be explored more completely. Students get experience in studio art and an opportunity to more fully explore areas and media of interest. Areas of study will include art appreciation, design, drawing, pottery, sculpture, and watercolor painting. Students may take a third and fourth year of advanced art with the permission of the instructor.

Band

This class is offered to all high school students. This group will perform concerts throughout the year, potentially march in parades, and attend District Music Festival. A wider variety of literature will be covered, ranging from the classics to Christmas to pop. In addition to the band course, other elective ensembles will be offered, such as Pep Band, Jazz Band and small ensembles, if enough interest is shown.

Choir

This class demands daily attendance and a serious interest in developing personal vocal abilities. Students will perform four major concerts per year and attend the District Music Festival. A wide variety of literature will be covered each year. An opportunity will be available to perform in small ensembles such as Skyliners, Men's Ensemble, and Women's Ensemble. Auditions may be used to determine membership and to help keep the quality level of these groups above average.

Murals

Prerequisite: Basic Art with a C or better

Murals are important in that they bring art into the public sphere. A mural is any piece of artwork painted or applied directly on a wall, ceiling or other permanent surfaces. A distinguishing characteristic of mural painting is that the architectural elements of the given space are harmoniously incorporated into the picture. Murals of sorts date to Upper Paleolithic times such as the cave paintings in the Lubang Jeriji Saléh cave in Borneo (40,000-52,000 BP), Chauvet Cave in Ardèche department of southern France (around 32,000 BP). We will be learning about the history and styles of murals. As a class, we will be creating a mural.

Ceramics

Prerequisite: Basic Art with a C or better

In CHS Ceramics, students will gain an overall knowledge of clay in both functional and artistic capacities through a series of structured exercises and open-ended assignments. These lessons will be designed to encourage the proper use of tools and equipment while pushing the boundaries of artistic authenticity and the creative process. The course will include a history of clay and its modern influence, hand building, throwing on the potter's wheel, and finishing/firing techniques. Students will delve into the three dimensional realm of art and how humanity has grown alongside one of the most ancient and versatile mediums to date.

AG EDUCATION:

Introduction to Agriculture

This class will be a full work up of agricultural sciences, beginning with a fast rundown of animal systems before moving over to the shop for work in both metal and wood. Plant sciences, FFA, and parliamentary law will be topics of discussion. This class is a prerequisite for all other Agriculture classes.

Animal Industry

Prerequisite: Introduction to Agriculture

In this class, students are focusing on the animal industry. Students will study in depth the process of how we get the meat we eat from the ranches they grow on to the end purchaser. Breeds of animals and the different treatment methods for each type will be discussed. Included in the class will be how the meat industry plays a significant role in agribusiness.

Animal Husbandry

Prerequisite: Introduction to Agriculture

Animal Husbandry is the study of handling and dealing with the animals used for agricultural products. Students will discuss and study what is needed to make sure animals are properly managed to maximize their potential. Caring for our animals properly will also be discussed

Anatomy and Physiology of Livestock

Prerequisite: Introduction to Agriculture

This course is designed to review the anatomy of domestic farm animals. Students will also discuss the physiology of the various systems common to all species and the differences in form and function where they exist.

Veterinary and Nutritional Sciences

Prerequisite: Introduction to Agriculture

Fundamental concepts pertaining to the care and husbandry of the major domestic species will be covered, with an emphasis on practices of particular relevance to the region. Topics covered include routine management practices and fundamentals of managing breeding programs. The emphasis is on standards of practice and routine care, with the expectation that the scientific underpinnings will subsequently be learned in the program.

Crop Management

Prerequisite: Introduction to Agriculture

General principles of field crop production. Factors such as environmental concerns, economic constraints, weather, soil fertility, varietal differences, cultural practices, and pests will be discussed. Course will also cover basic tillage practices, basic crop breeding and development, and harvest techniques of popular field crops.

Horticultural Sciences

Prerequisite: Introduction to Agriculture

Students will take an in-depth look at how we utilize our plants in an agricultural system. They will look at different growing mediums, and how they might affect the plants we produce. You will also have almost unfettered access to the greenhouse and its products.

Conservation and Natural Resources

Prerequisite: Introduction to Agriculture

This course provides students with a diverse overview of the conservation and management of natural resources. Course objectives are to recognize the finite limits of non-renewable resources and the social costs of resource utilization, while stimulating critical thinking and developing global perspectives. Current local, regional, and global issues are examined. Conservatism is vital for most agriculture. This class looks into different ag production methods and their effect on the environment. potential conservation methods for habitat, waterways, and forests will be discussed.

Welding 1

Prerequisite Intro to Agriculture

The purpose of this course is to familiarize students with metals and metal properties, as well as the welding, cutting, and grinding with all industry processes. Processes include Oxy Acetylene cutting, SMAW, GMAW, FCAW and

plasma cutting. Students will gain experience in fabrication of metals through working hands-on to learn skills relevant to metal working. The instruction is focused on students in trades courses, agriculture and for exploration of welding in general. Safe operation of equipment is covered and work is evaluated to industrial standards.

Advanced Welding

Prerequisite Intro to Agriculture, Welding 1

The purpose of this course is to build on the experiences in Welding 1 to provide students with a deeper understanding of the welding process and industry. Advanced joints and positions of SMAW, GMAW, FCAW and oxy acetylene and plasma cutting will be taught. In addition some processes of computer aided drafting will be taught with several programs and our machines. Career ready practices such as resume building, interview skills and job searching will be included. Class is primary lab and hands on focused with some classroom instruction. The instruction is focused on students in trades courses, agriculture and for exploration of welding in general. Safe operation of equipment is covered and work is evaluated to industrial standards.

FAMILY AND CONSUMER SCIENCE:

Culinary Arts I

Elective course which covers the basic principles of food preparation, kitchen safety and sanitation, preparing and serving meals, meal planning for health, basic nutrition, and consumer skills. Some of the culinary experiences include: quick and yeast breads, pies and pastries, cookies, dairy products, eggs, fruits and vegetables. Table setting, etiquette and meal service will also be covered.

Culinary Arts II

Prerequisite: Culinary Arts I

Culinary Arts II is an advanced foods course for students with intermediate skills. This class focuses on the specialized areas of nutrition, as well as food preparation of specific foods, such as: dairy, grains, meats, eggs, foreign foods, cakes and cake decorating, spices and seasonings, candy making, appetizers, and garnishes.

Child Development I & II

Elective course which includes learning the importance of prenatal care essentials for a healthy baby. Students will learn about childbirth options, infant care, and proper parenting techniques for the newborn, infant, toddler, and preschool-aged child. Students will also explore the physical, social/emotional, and cognitive development of children from birth to 12 years of age. The care and understanding of developmental needs and characteristics of the whole child from prenatal through adolescent are covered. Special topics such as divorce, child abuse and neglect, and children with special needs will be addressed.

Independent Living

Elective course which includes skills for living independently, either in a college or work environment. Current topics are housing/leases, world of one, job preparation, and food and nutrition. Upon leaving this class, the student will have all the necessary skills to survive in the "real world".

Interior Design

Elective course designed to teach students the elements of design. Students learn to create an impact through use of colors, fabrics, and textures. Instruction includes the history of interior design, furniture styles, design theory, and project presentation. Students will learn to develop the scope of a project, develop and present a proposal, and implement a project. Communication skills, interpersonal skills, teamwork, and ethics are addressed.

BUSINESS AND TECHNOLOGY:

Computer Apps - Integrated Office & Web Tools

Elective course emphasizing using technology in the world of work. Students build business spreadsheets, emphasizing formulas and functions, develop database tables, queries, forms and reports, produce business documents, use Windows features and compare different versions of the operating system, and integrate office applications through simulation. Second semester students compare systems and make purchasing decisions; edit graphics and use various graphic file formats; design and create web pages; create and edit video productions; record audio and produce podcasts; create documents using Google Docs and Drive; practice filing taxes online; plan a personal or business trip online; and explore a variety of web tools including surveys, free office applications, social bookmarking, cloud computing, etc. Students will also learn to manage financial data and will explore online banking. Membership in BPA is encouraged.

Accounting

Elective course where the accounting cycle for sole proprietorship, a partnership, a merchandising business and a corporation are covered. Students keep payroll records for the class and practice preparing quarterly reports. An accounting simulation will be completed using QuickBooks. Membership in BPA is encouraged.

Entrepreneurship

Elective course where students investigate opportunities involved with establishing or purchasing a business. Students will investigate the pros and cons of being their own boss. They will research business ownership and operations, including partnerships and corporations, develop a business plan, determine how to market their products through advertising and social media, and develop an understanding of the financial obligations as well as the rewards of owning your own business.

Digital Photography

Whether you own a point-and-shoot or a more advanced DSLR, this class will give you a better grasp of your chosen tool and the skills to make successful images. We will focus on core photographic concepts as well as some more advanced techniques. The course will include hands-on demonstrations with the camera as well as basic digital image editing techniques. We will discuss the work of great photographers alongside your own photographs in order to better understand the fundamentals of composition to create compelling imagery. Expect to leave the class with a project you are proud of and a working knowledge of your camera.

Digital Media

Digital Media is a course designed to educate students on the new and emerging digital world. Topics covered in Digital Media classes include video production and editing, photography, graphic design, audio production, animation, and scriptwriting. Digital Media integrates new technology with time honored communication skills. It prepares students for the emerging digital world and also gives the student first hand exposure to possible college majors, such as communications, graphic design, broadcasting, and journalism.

Yearbook

Students will actively participate in the creation of both the High School and Middle School yearbook. Activities include, photography, journalism, photo editing, and creative design.

INDUSTRIAL & TECHNICAL EDUCATION:

Introduction to Industrial Arts

Full-year elective course designed to provide the basic knowledge and application of skills in shop safety, drafting & design, woodworking & construction, small engines & power mechanics, metalworking, and welding. Students will complete a variety of exercises and projects to complete the labs. This course is a prerequisite for all other high school shop courses.

Mechanical Drafting

Full-year elective course designed to teach the techniques of orthographic projection, pictorials, and geometric layout. Traditional board drafting as well as some computer aided drafting will be taught. Computer platforms includes Autosketch, AutoCAD and Pro Desktop. This course is strongly recommended for those students planning to take Architectural Drafting or for those who plan to enter a post-secondary drafting, engineering, or design program. This course is a prerequisite for Advanced Drafting.

Architectural Drafting

Full-year elective course designed to teach the skills necessary to graphically represent detailed building plans. Each student will be directly involved in the development of a set of his/her own house plans. An introduction to traditional board drawings is provided with some exploration into graphics using AutoSketch and AutoCAD platforms. It is strongly recommended that the Mechanical Drafting course be taken prior to this course. This course is a prerequisite for Advanced Drafting.

Advanced Mechanical and/or Architectural Drafting - I & II

Prerequisite: Mechanical or Architectural Drafting

Full-year elective course designed to advance the skills of the draftsman through the use of computer aided drafting and design. Work will be done using AutoSketch, Pro Desktop, and AutoCAD platforms. First term will consist of pre-selected drawings. Second term will consist of putting together a drafting proposal and developing a portfolio of work. This course is strongly recommended for students planning to enter a post-secondary drafting & design or engineering program.

Small Engines/Basic Auto Repair

Full-year elective course designed to introduce students to the principles, maintenance, and repair of engines. First semester will focus on gaining practical knowledge in order to troubleshoot and fully overhaul a typical small gas engine. Second semester will focus on the basic principles, maintenance, diagnosis, and repair of a typical automobile. Areas of instruction include career readiness, general maintenance, powerplant, drivetrain, carburetion, lubrication and cooling, electrical and troubleshooting. This course is a prerequisite for Automotive Repair.

Automotive Repair

Prerequisite: Small Engine and Basic Auto Repair

Full-year elective course designed to give the student a practical application in the diagnosis and repair of the modern automobile and expands on the fundamentals learned in Small Engines/Basic Auto. Emphasis will be placed on more advanced diagnostics and repair procedures. Areas of study include electrical, engine performance, troubleshooting, diagnostic equipment, steering & suspension, tires, brakes, and individual project work.

Construction (Woods I)

Full-year elective course designed to teach shop/tool safety, basic woodworking, and construction skills. This class will focus on woodworking and cabinetry including planning, wood and project selection, use of tools, construction techniques, and finishing. This course is a prerequisite for Woods II..

Construction (Woods II)

Prerequisite: Woods I

Full-year elective course designed to focus on both rough and finish construction skills of a typical structure. Areas of study will include safe use of construction tools, site planning, blueprint reading, concrete work, rough wall & roof framing, basic electrical & plumbing, and finishing.

FOREIGN LANGUAGES:

Spanish 1

No prerequisite.

Elective course which is a course designed to provide students with a basic understanding of the Spanish language and the customs and cultures of Latin America and Spain. The primary focus of the course will be on the acquisition of basic Spanish, including the four main foreign language skills: reading, writing, listening, and speaking.

Spanish 2

Prerequisite: Spanish 1 (or teacher assessment)

Elective course which builds on the foundation established in Spanish 1. The development of Spanish proficiency is primarily through the use of functional vocabulary, mastery of basic grammatical structures, and the addition of more complex grammar and syntax. Emphasis will be placed on mastering pronunciation and on spoken and written communication. Cultural knowledge will be acquired through the use of authentic materials and in-depth individual projects.

Spanish 3

Prerequisite: Spanish 1 and 2 with at least a B (or teacher assessment)

Elective course which builds on the knowledge gained in Spanish 1 and 2. This course continues to reinforce and expand students' understanding of complex grammatical structures and conversation. Reading, writing, listening, and speaking are encouraged through both direct instruction and the investigation of authentic materials, including literature and film. Students will be required to speak Spanish during class approximately 50% of the time.

Spanish 4

Prerequisite: Spanish 1, 2, and 3, with at least a B (or teacher assessment)

Elective course designed to further develop conversational Spanish skills. Reading and written communication will be emphasized through a year-long novel study. This course will be offered in a guided independent study format with scheduled meetings and weekly conversations with the instructor. Students will be required to speak Spanish during class approximately 70% of the time.

HEALTH AND PHYSICAL EDUCATION:

Health 9

All Freshman must complete this 1 semester course

Prerequisite: None

Grade level: 9

Freshman health is a required course that meets every day for a semester. Practical information for overall health and wellness will be presented. Emphasis of study and discussion will be placed on human body systems, nutrition, healthy relationships, tobacco, alcohol, vaping, and drug awareness.

Health 10

This is a required course for all students after the completion of Health 9.

All sophomores must complete this 1 semester course.

Prerequisite: Passing Grade in Health 9

Grade level: 10

Sophomore health is a required course that meets every day during the semester. Practical information for overall health and wellness will be presented. Emphasis of study and discussion will be placed on: stress management, mental and emotional health including self-image, coping with loss and suicide prevention, resolving conflict and violence prevention, human growth and development; reproduction from conception to birth, STD's and HIV as well as body systems.

Physical Education 9

All freshmen must complete this semester course.

Freshman physical education is a required course that meets every day during the semester. Physical Education classes are designed to practice and develop skills in activities that will help you maintain fitness throughout your life. During the year, you will set and monitor personal fitness goals that will aid in the development of a personal fitness plan. Periodically, throughout the year, fitness levels will be assessed in the following areas: cardiovascular endurance, flexibility, muscular strength and muscular endurance. Through these assessments we will develop a baseline in which we will use to set personal fitness goals. We will explore fitness activities designed to improve all areas of fitness.

Physical Education 10

This is a required course for all students after the completion of Health 9. Physical Education classes are designed to practice and develop skills in activities that will help you maintain fitness throughout your life. During the year, you will set and monitor personal fitness goals that will aid in the development of a personal fitness plan. Periodically, throughout the year, fitness levels will be assessed in the following areas: cardiovascular endurance, flexibility, muscular strength and muscular endurance. Through these assessments we will develop a baseline in which we will use to set personal fitness goals. We will explore fitness activities designed to improve all areas of fitness.

Weightlifting

Elective course designed to help students develop knowledge and skills with free weights and universal stations while emphasizing safety and proper body positioning.

Life-Long Sports

This course is designed to teach students activities which they can do throughout life. Through participation in several sports, students will gain the knowledge necessary to become an educated participant and spectator. The involvement in specific sports will provide an atmosphere that is enjoyable to the participants, promotes cooperation among peers and develops an appreciation for the degree of fitness necessary to participate. Activities may include but are not limited to: hiking, disc golf, yoga, racquet sports, bowling, and bocce ball.

OTHER:

Traffic Safety Education

This course is limited to registered full time students enrolled at Conrad High School in grades 9-12. Sections offered include fall, spring, and summer terms, with priority for fall and spring terms going to older students. Each term has its own age requirements in order to enroll. Fall students must be 14 ½ by August 15 of the program year to enroll. Spring students must be 14 ½ by January 15 of the program year to enroll. Summer students must be 14 ½ years of age by June 1 of the program year to enroll. Fall and Spring terms will be limited to a smaller number of students. Summer term is open enrollment. There is a lab fee assessed to take this class and must be paid prior to the start of the course. This is a pass/fail class, with a minimum expected score of at least an 80%. Students do not receive high school credit for completion, but completion of the class is noted on the transcript.

During the school year, the classroom portion of the course will take place during the day with driving scheduled after school, evenings, and/or weekends. During the summer, the classroom portion of the class will be taught during the month of June with driving to be scheduled throughout June and the rest of the summer, as needed. Students will be required to complete a minimum of 42 hours of classroom instruction, 6 hours of driving, and up to 12 hours of observation to meet state requirements. Registration for this course is held independently from the normal registration of courses found in this booklet and is handled by the traffic education instructor in conjunction with the guidance department.

On the Job Training

Only available for juniors and seniors to earn credit while working. Other work is required of students, including job skills, interviewing skills, job searching and more. Real World Experience is applied to their education and future.

ACT Prep

This course is a one semester course designed to help students prepare for the ACT. Test taking tips and strategies, as well as in-depth review of each of the areas of the test. Subject teachers will be engaged when necessary. Practice tests will be given during the semester.

College and Career Readiness

This course is designed for post high school education. Students will learn a variety of skills to apply to their future plans. We will do goal settings, personal skill building, career searches, college searches, resume and scholarship writing, time management, problem solving, conflict resolution, effective communication, listening, and more. This course is designed for juniors or seniors in high school.

Trades Academy: Please see Mrs. Russell-Harris or Mr. DeBruycker for more information and further details on each pathway.

John Deere University: This course will require students to complete training online through the John Deere University platform and perform hours of on the job training at Front Line Ag. Students who complete this will be a certified Technician One for John Deere.

Ford Program: This course will require students to complete training online through the ford platform known as S.T.A.R.S and perform hours of on the job training at Courtesy Ford Students who complete this will be a certified Technician One for ford.

Certified Nursing Assistant (CNA) Program: Students will complete the required semester class through Miles City Community College. Once completed with the course work, students will get clinical hours and certification through Logan Health - Conrad.

Electrician: Students will do course work through MSU - Northern and the state apprenticeship program while being partnered with a local electrical company for work hours.

Plumbing : Students will do course work through MSU - Northern and the state apprenticeship program while being partnered with a local electrical company for work hours.

Dual Credit

This program is in conjunction with Great Falls College MSU. Courses are taught both online and concurrently. Students must be 16-19 years of age in order to enroll in Dual Credit Courses for any Montana University System schools. CHS currently has College Algebra and College Pre-Calculus as options for meeting the Math requirement. Students may elect to take other courses and work toward their General Education Certificate or Associate's degree. Students who enter this program will need to work closely with the school counselor to make sure they are on track for their program.