Columbia Falls High School

2026-2027

Registration Handbook

CHARACTER

FOCUS

HONOR

STRENGTH

COLUMBIA FALLS HIGH SCHOOL

GRADUATION REQUIREMENTS
2026-2027

NOTE: Not all courses within the booklet may be offered each semester. Student interest, staff, facilities (classrooms), and enrollment will be determining factors.

MINIMUM GRADUATION REQUIREMENTS

A total of 23 credits are required for graduation.

ENGLISH ..... 4 credits
MATHEMATICS..... 3 credits
SCIENCE (Biology & Earth Science)..... 2 credits
HEALTH ENHANCEMENT ..... 2 credits
SOCIAL STUDIES or WORLD LANGUAGES ..... 1 credit
U.S. HISTORY ..... 1 credit
AMERICAN GOVERNMENT ..... 1 credit
FINE ARTS (Art, Music - Choir or Band) ..... 1 credit
COMPUTER ESSENTIALS ..... .5 credit
VOCATIONAL ARTS / BUSINESS & INFORMATION SYSTEMS.....1.5 credit
(Business/Technology Education, Health Occupations, Industrial Tech, Family & Consumer Science)
ELECTIVES .....6 credits

** *Financial Literacy – Every student must have 1 semester of a financial literacy course. The following courses satisfy this requirement: Personal Finance A or B, Accounting I, Intro. to Business, Entrepreneurship, Exploring FCS or Practical Math (full-year).*

COLLEGE-PREP RECOMMENDED COURSES:

NOTE: Colleges encourage college-bound students to take math and science their senior year.

ENGLISH ..... 4 credits
MATH (Algebra 1,Geometry,Algebra 2,Pre-Calculus)..... ..... 3+ credits
SCIENCE ..... 3+ credits
WORLD LANGUAGES ..... 2+ credits
FINE or PERFORMING ARTS ..... 1 credit
VOCATIONAL ARTS / BUSINESS & INFORMATION SYSTEMS ..... 2 credits
SOCIAL STUDIES..... 3+ credits
(Modern World History, U.S. History, American Government)

For more information regarding any of the courses, such as being appropriate for your level of ability or career planning, contact a staff member of the particular department or the Counseling Center.

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Grades

Grades are the means for reporting how a student is progressing after assessing the work done throughout a nine-week period or semester. The grading scale for each class is determined by the classroom teacher and will be communicated to students through the "Full Disclosure" document at the beginning of the school year. A copy of the class "Full Disclosure" is on file with the individual teacher and is available upon request.

Generally letter grades are interpreted to mean:

A ..... Superior work
B ..... Good work
C .....Average work
D..... Below average work
F..... Unacceptable
P ..... Pass
W ..... Withdrawal (Class dropped within the first 10 weeks of the semester.)
X ..... No credit due to lack of attendance.

All INCOMPLETE semester grades must be made up within 10 school days following each semester grading period or the student receives an "F" for the course in question.

For computing grade point averages the following numerical values are assigned to the letter grades:

A = 4
B = 3
C = 2
D = 1
F = 0
P = Not included in GPA
W = Not included in GPA
X = 0

Weighted Grades

The District will implement a system of awarding additional grade points referred to as "weighted grading" in designated high school courses. This system of grading will be incorporated in computing students' quarterly, semester and cumulative grade point averages. The following grading system will be used:

A = 5 grade points
B = 4 grade points
C = 2.5 grade points
D = 1 grade point
F = 0 grade points

School District 6 Board of Trustees approved weighted grades for all Advanced Placement (AP) courses.

Honors/High Honors

The requirements to qualify for honors and high honors at graduation are as follows:

1. HIGH HONORS: Overall GPA of 3.85 or better for all classes during eight (8) semesters (freshman through senior year).

2. HONORS: Overall GPA of 3.0 – 3.84 for all classes during eight (8) semesters of high school.

3. Foreign Exchange students are not eligible to receive honors awards.

Honor Roll

All GPA's of 3.0 and above are accepted for the Honor Roll with the following restriction:
Pass/Fail and W grades are not included in the GPA.

Columbia Falls High School Honors Diploma

The purpose of the Honors Diploma is to encourage a more rigorous track and recognize those students who achieve our highest academic standard.

The District will implement an Honors Diploma that will be awarded to students who achieve the following minimum requirements:

- Students will be required to earn a minimum of 24 credits
- Students will be required to attain a minimum GPA of 3.85
- Students will be required to take and complete at least four (4) Advanced Placement courses. At least 3 of the AP Courses must be taken within the bricks and mortar of CFHS.
- Transfer students who meet the criteria will earn the Honors Diploma.
- Early graduates who meet the criteria will earn the Honors Diploma.
- Foreign Exchange students are not eligible to earn the Honors Diploma.

The minimum requirements for the course of study for the Honors Diploma would be as follows:

4 credits of English
4 credits of Science
4 credits of Math
3 credits of Social Studies (including US History and American Government)
2 credits of Foreign Language
2 credits of Physical Education
1 credit Fine Arts/Music
.5 credit Computer Essentials
1.5 credits Vocational Arts / Business and Information Systems
- and meet the Financial Literacy requirement

2 credits Electives
24 Total credits

College Preparatory Requirements

Colleges encourage college-bound students to take math and science their senior year.

COURSE	CFHS GRAD	MUS ADM	SELECT COLLEGE ADMISSION
ENGLISH	4 CREDITS	4 CREDITS	4 CREDITS
MATHEMATICS	3 CREDITS 2	3+ CREDITS 3	3+ CREDITS 3
SCIENCE (must include: Biology and Earth Science)	2 CREDITS	3+ CREDITS	3+ CREDITS
HEALTH ENHANCEMENT	2 CREDITS	2 CREDITS	2 CREDITS
NON-SPECIFIC SOCIAL STUDIES or WORLD LANGUAGES	1 CREDIT		
WORLD LANGUAGES			2+ CREDITS 4
MODERN WORLD HISTORY		1 CREDIT	1 CREDIT
US HISTORY (junior year)	1 CREDIT	1 CREDIT	1 CREDIT
AMERICAN GOVERNMENT (senior year)	1 CREDIT	1 CREDIT	1 CREDIT
FINE ARTS (art, music)	1 CREDIT	1 CREDIT	1 CREDIT
VOCATIONAL ARTS/TECHNOLOGY ED (Course included: Business, Health Occupations, Anatomy and Physiology, Industrial Tech, FCS (Family & Consumer science)	1.5 CREDIT	1 CREDIT	1 CREDIT
***Financial Literacy Course List:* (Personal Finance A & B, Acct.1, Intro to Business, Entrepreneurship, Exploring FCS or Practical Math	Every student must have 1 semester from the course list to meet the Financial Literacy requirement	.	
COMPUTER ESSENTIALS	.5 CREDIT		
ELECTIVES	6 CREDITS	See 5 below	See 5 below
TOTAL	**23 credits**	**Diploma+ 6**	**Diploma +6**

1. MUS = Montana University System: the 6 publicly-funded, 4-year colleges and universities of Montana.

2. Must include the completion of Algebra 1.

3. Must include a math sequence of at least Algebra 2 level.

4. Out-of-state college and university requirements vary. Consult specific schools for minimum foreign language requirements.

5. Colleges and universities generally do not require electives, though they may specify certain high school coursework in admissions consideration.

6. Four-year colleges and universities will require additional "academic" classes beyond our high school graduation. Consult college requirements. (Additional math and science, for example)

College-Bound Student-Athlete Information

Student-Athletes who aspire to participate in Collegiate Athletic programs are encouraged to seek eligibility information regarding educational requirements as soon in high school as possible at the following websites:

For information related to athletic participation at any level of NCAA competition, students and parents can find eligibility information at www.ncaa.org or at **www.eligibilitycenter.org**.

For information related to athletic participation at any level of NAIA competition, students and parents can find eligibility information at www.naia.org.

The above websites provide current and valuable eligibility information for college-bound student-athletes. Student-athletes with aspirations of participation at the collegiate level should also seek help in planning their educational careers at CFHS by seeking help from our high school counselors. This process should begin early in a student's high school career to ensure all eligibility requirements are met.

REGISTRATION GUIDELINES

PLANNING YOUR SCHEDULE

The standard expectation is that students are expected to be enrolled in 7 class periods. Students' classes will be in consecutive order and include no more than one study hall. Students in grades 9 and 10 must be enrolled in 7 class periods, 6 of which must be credit bearing. Students in grades 11 and 12 must be enrolled in 6 classes, 5 of which must be credit bearing.

Some courses selected must have instructor approval. If approval is required, instructor signatures or initials must accompany each course listed on registration forms.

Courses described in this registration handbook may or may not be offered depending upon the interest shown during pre-registration. If any of the electives are dropped due to lack of interest, the student will be placed in one of the alternates listed by the student.

The following classes may be Early Bird offerings - Algebra 2, American Government, Fitness for Sport, English 12, AP Eng. Language, Anatomy & Physiology.

CREDITS

One credit equals passing one YEAR in any class. One-half credit equals passing one SEMESTER in any class.

ELIGIBILITY FOR EXTRA-CURRICULAR ACTIVITIES

It is Columbia Falls High School and District 6 Policy that students must pass four classes per semester to be eligible to participate in extra-curricular activities.

CREDIT RECOVERY

Credit Recovery class is one method for students to make up credit in a class they have previously failed. Class offerings as well as space in the class are limited.

Placement into the class is determined by Administration. Students should indicate on their registration form that they would like to be considered for placement into Credit Recovery. If there is space available, students will be contacted and receive the necessary schedule change.

SCHEDULE CHANGES

Students are expected to choose classes wisely during the pre-registration process. After the initial registration process, additional changes to a student's schedule may occur due to computer errors, overloaded classes, cancelled classes, teacher recommendation, or extenuating circumstances.

RUNNING START PROGRAM

The Running Start Program provides eligible high school juniors and seniors the opportunity to get an affordable start on their education by earning college credits while still in high school. The first 6 credits are offered at no cost for in-district students, and subsequent courses are offered at a significantly reduced cost. Courses are limited to college level courses numbered 100 or above. Some courses offer dual credit opportunities, which allow students to gain high school and college credit simultaneously. Running Start credits taken at FVCC or online will be accepted at Columbia Falls High School **ONLY AS ELECTIVE CREDITS; FVCC CREDITS MAY NOT BE TAKEN TO SATISFY GRADUATION REQUIREMENTS UNLESS PRIOR APPROVAL FROM THE HIGH SCHOOL ADMINISTRATION IS GRANTED.**

Students and parents will be responsible for all tuition and fees. Although the tuition is fifty-percent off the designated residency rate, the student pays full cost for all lab fees, books, and materials. Students are responsible for their own transportation to and from FVCC classes.

Once students enroll under this program and begin attending FVCC, they will be considered regular college students. The college faculty will expect the same level of classroom participation, study habits, and homework as they expect from all other students in the class. FVCC semester calendar and dates will differ from the CFHS calendar. Students must review start and end dates as well as dates for holidays, breaks, etc.

Credits earned at FVCC will be converted in the CFHS credit system as follows:

FVCC Credit	CFHS Credit
2.0	.25
3.0	.50
4.0	.75
5.0	1.00

Students should contact their high school counselor for procedures to enroll in the Running Start program.

DUAL CREDIT ENROLLMENT OPPORTUNITIES

Dual Enrollment courses are defined as FVCC College courses taken at CFHS while earning dual credit (full credit at both CFHS and FVCC). The first 6 credits taken through the Running Start Program are offered at no cost for in-district students and subsequent credits are offered at a significantly reduced cost. **All students are required to complete the Running Start application process including any required placement tests.**

Dual Enrollment Courses may include:

CFHS course title	FVCC course title	Grades
Metals I – Welding Theory**	WLDG 110/111 Welding Theory I Practical	10, 11, 12
Metals II – Fabrication & Design **	WLDG 145/122 Fabrication & Design COLS 115 Workforce Prep for Tracks	11, 12
Metals III **	WLDG 185 Welding Test Prep WLDG 146 Welding Test Prep	12
House Construction **	CSTN 195 Building Trades	11, 12
Introduction to CAD	DDSN 114 Intro to Cad WLDG 117 Blueprint Reading & Welding Symbols	10, 11, 12 10, 11, 12
Solidworks	DDSN 135 Solidworks DDSN 235 Solidworks II	11, 12 11, 12
Opportunities in Health Professions	HTH 101 Opportunities in Health Professions	11, 12
Medical Terminology	AHMS 144 Medical Terminology	11, 12
College Math / Statistics	M115 Probability & Linear Math STAT 216M Introduction to Statistics	11, 12
Intro to Literature	LIT 110 Introduction to Literature	11, 12
Spanish 101/102	SPNS 101/102 Elementary Spanish	11, 12
French IV	FRCH 101/102 Elementary French	11, 12

Class fees ** $40

CHOOSING YOUR CLASSES

Planning your high school program is a much more important activity than you may realize. The courses you select and the academic and vocational preparation you obtain may have an effect upon all of your future learning activities.

As our world becomes more technologically sophisticated, there is concern about whether or not schools are providing their students with the training that will be needed for careers of the future. Colleges are concerned about whether or not entering freshmen are adequately prepared for college level work. Employers are concerned about the ability of their employees to comprehend and communicate effectively.

Few of you at this stage of your life have made a final career decision. Not everyone will be a computer programmer, nuclear physicist or genetic engineer. Our society also needs teachers, artists, nurses, musicians, business managers, carpenters, accountants, loggers and fashion designers. The tools and techniques used in these careers will change, though, and we must be willing to learn the skills necessary to use them. We also need to learn the skills of personal relationships and leisure time activities.

The best advice for those of you who plan to pursue post-secondary training is to take as many solid academic courses as possible. The skills and knowledge you will need for post-secondary school and for your lifetime work involve mastery in reading, writing, communication and mathematics. Taking courses in English, mathematics, science, social studies and foreign language will enhance the value of your vocational courses as well.

Many students who are entering their senior year in high school have met the needed graduation requirements and tend to "take it easy". Please do not waste your senior year! Take advanced courses in your area of career interest and from the fine arts and academic electives. Above all, take courses that develop your learning skills, strengthen what you have learned previously, and reinforce good study skills and work habits. The best colleges seek risk-takers, not students whose prime objective is to protect their grade point average. Students unafraid of a low grade and willing to take a shot at the toughest high school courses are the type of freshmen that the nation's top colleges most vigorously recruit.

Whether you plan to go to a traditional college or a college of technology, join the military, or enter the work force, when you graduate from high school, we hope that each of you will accept a personal challenge to be all that you can be. If you never stretch, you will never know what you can reach.

ENGLISH

In order to keep class sizes even and to maximize the educational opportunities of all, students are randomly placed in English classes. While consideration is given to the desires of individual students, the primary consideration must be what will provide the best education for all students.

English 9

Grade: 9 1 year 1 credit

Freshman English units focus on the themes, conflicts, characters, and debatable issues that arise in the Coming-of-Age stories and situations – a subject that is relevant and relatable to students entering high school. Students will explore how an author's stylistic craft techniques and literary elements influence a reader. They will explore this as readers of short stories, nonfiction, novels, drama poetry and visual media. They will develop these techniques as writers of narrative fiction and nonfiction, analytical expository essays and argumentative position writing.

Honors English 9

Grade: 9 1 year 1 credit

English Department Honors / AP Policy:

- A summer reading assignment is REQUIRED for this course and will be factored into your first semester grade.
- **Schedule changes will NOT be made to release students from this course until the end of the first semester. Please sign up only if you are committed to the additional work an AP class requires.**
- Students must maintain a grade of "C" or higher or they may be removed from the English AP course of study.
- Students admitted to this course must have an A in their current English class OR a STAR reading score above or at proficient and a recommendation from their current English teacher.

This course functions as an introduction to the knowledge and skills essential for success in the AP and college-level curriculum. Focus will be placed on classic and contemporary literature, including Shakespeare, and contemporary American novels and non-fiction work. Students will develop critical analysis of literary works by crafting focused thesis statements and well evidenced essays, learning the skill of integrated analysis. Technology is an essential part of the course and will be incorporated in a variety of ways including the use of Google Apps. Students will learn to annotate text and will fine tune public speaking skills in presentation including rhetorical debate. Summer reading is a required prerequisite for this course.

English 10

Grade: 10 1 year 1 credit

Sophomore English units of study focus on the concepts of culture and community; they examine how these influences shape identity and perspective. The readings cover many genres including letters, short stories, novels, drama, poetry, and visual media. Students are introduced to literary concepts and will write narrative, analytical, and persuasive essays about incidents in their own lives as well as about themes, characters, contexts, and ideas from the readings.

English 11

Grade: 11 1 year 1 credit

Junior English units of study focus on American fiction and nonfiction, using literary and other texts to present the iconic idea of the American Dream. Students research historical and contemporary texts as they articulate the origins and impact of the ideals and realities of the American Dream on life today and on personal thinking. Writing in a variety of modes-personal essays, opinions and editorials, credos, reflective self-evaluation, speeches, satire, dramatic scripts, surveys, literary analyses, and research projects – students expand their skills in communicating through written and spoken language.

English 12

Grade: 12 1 year 1 credit

Senior English uses the driving theme of Perspective to provide a capstone experience for students who are nearly ready to continue reading, writing, and thinking past the high school level. As such, it focuses not only on benchmarks for college readiness, like traditional analysis of written, oral, and visual works, but also practical skills to prepare students to become responsible and critical producers and consumers of communication. In particular, the course examines topics such as intercultural perspectives, past and present influences on and by the English language, and rhetorical devices. Myths, novels, dramas, short stories, poems, and memoirs will be studied through several critical and philosophical lenses, providing rich opportunities for students to develop an appreciation of ways literature reflects and comments on a range of experiences, institutions, and social structures. Additionally, students will read and analyze rhetorical elements and their effects in nonfiction texts--including images as forms of text--from a range of disciplines and historical periods. Students will examine the choices writers make and the techniques they utilize to achieve purposes and generate meaning, as well as practice the development and revision of evidence-based analytical and argumentative writing and speaking as they compose and revise; evaluating, synthesizing, and citing research to support their argument.

AP CAPSTONE PATHWAY

AP Capstone is a program based on two yearlong AP courses: AP Seminar and AP Research. These courses are designed to complement other AP courses that the AP Capstone student may take. Instead of teaching specific subject knowledge, AP Seminar and AP Research use an interdisciplinary approach to develop the critical thinking, research, collaboration, time management, and presentation skills students need for college-level work.

AP Seminar

Grade: 10 1 year 1 credit

Prerequisite: None, but if taken as a 9th grader, instructor permission is required.

***** AP Seminar – formerly known as Honors English 10***

AP Seminar is a rigorous, interdisciplinary course designed to develop students' skills in research, analysis, teamwork, and communication. Through inquiry-based learning, students explore complex real-world issues from multiple perspectives, crafting evidence-based arguments and presenting solutions. Projects include written essays, multimedia presentations, and collaborative work, culminating in an individual research-based argument. AP Seminar is part of the AP Capstone program and prepares students for AP Research, where they can design and conduct academic studies. This course emphasizes critical thinking, collaboration, and effective communication, empowering students for success in college and beyond.
This course counts towards one of four years of required English credits.

AP Language & Composition

Grades: 11 1 year 1 credit

Prerequisite: C- in previous English course

AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of rhetoric through reading, analyzing, and writing texts as they explore topics like rhetorical situations, claims and evidence, reasoning and organization, and style. This course covers primarily non-fiction reading and writing. Students who enroll in this class will be required to complete all course work regardless of whether or not they are taking the AP exam in May; however, students are encouraged to take the exam. Students must maintain a C grade or better in order to remain in the class at semester. *This course counts towards one of four years of required English credits.*

AP Literature & Composition

Grades: 12 1 year 1 credit

Prerequisite: AP Language & Composition

In the AP English Literature & Composition course, students devote themselves to the study of literary works written in–or translated into–English. Careful reading and critical analysis of such works of fiction, drama, and poetry provide rich opportunities for students to develop an appreciation of ways literature reflects and comments on a range of experiences, institutions, and social structures. Students will examine the choices literary writers make and the techniques they utilize to achieve purposes and generate meanings. *This course counts towards one of four years of required English credits.*

AP Research

Grades: 11, 12 1 year 1 credit

Prerequisite: AP Seminar - Teachers approval required

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. *This course counts towards one of four years of required English credits.*

English Electives

Introduction to Film and Drama

Grades: 11, 12 1st sem. .5 credit

Prerequisite: Students must complete English 9 and 10 in order to enroll.

In viewing films and watching dramas, we have all become appreciators of the art of cinema and theater. These mediums enhance our senses and provide insights into the human spirit, the challenges of life, the history thus made, and the power of the narrative story. This class will deepen your appreciation of both film and drama, and help you become a critic who understands the human context of expression and entertainment.

Introduction to Literature ** FVCC Dual Credit Lit 110**

Grades: 11,12 2nd. sem. .5 credit

3 FVCC College Credits

Prerequisite: Students must pass English 9 and 10 in order to enroll. Students must also pass the FVCC entrance writing test during the fall or have an equivalent ACT writing score. This introductory course focuses on the reading, enjoyment, and critical analysis of short stories, poetry, and drama. Students will read world literature, as well as works of the American West, contemporary dramatists, minority writers, and works focusing on the lives of immigrants, expatriates, and first-generation Americans. *This course counts towards humanities credits at the college level, along with an elective English credit for high school students.*

Book Love and Literature

Grades: 11, 12 1 year 1 credit

Prerequisite: Students must complete and pass English 9 and 10 with a grade of a C or better in order to enroll.

Book Love and Lit is an English elective designed to build a genuine love of reading through the study of modern young adult literature. This course places an emphasis on contemporary, high-interest novels rather than traditional classic texts, giving students the opportunity to explore stories that reflect current issues, experiences, and perspectives. Students enrolling in this course should enjoy reading and demonstrate solid reading skills. Through reading, discussion, analysis, and creative response, students will develop critical thinking skills while exploring how literature connects to their own lives and the world around them.

Reading 9

Grade: 9 1 year 1 credit

Required of students not reading at grade level.

Designed to help struggling readers, this class brings students up to grade level reading, which directly affects success in all other subjects. This class uses research-based instructional methods and is designed to advance the student as quickly as possible. Enrollment in the class is based on standardized test scores, individualized tests, and teacher recommendation. Preference is given to freshmen. This class does not earn English credit but does earn elective credit.

Yearbook & Media Design

Grades: 9, 10, 11, 12 1 year 1 credit

Prerequisite: Minimum 2.85 GPA, Grade of B or higher in all past HS English classes / Strong attendance history / Admission preference given to upperclassmen (Students entering 11th or 12th grade). Teacher's recommendation and approval is required and class is limited to 12 students. A questionnaire will be sent to all students who register AND meet the prerequisites.

This class will produce the Wildcat Yearbook. Students should be prepared to spend a number of extra-curricular hours working with local businesses, selling advertisements to support the yearbook, and selling the yearbooks on a regular basis. Students will be required to attend several sporting events to take photographs. Photography principles of composition, lighting, and post-processing will be covered. This course will introduce students to various approaches to graphic design. Students will be expected to work as a group and take charge of certain aspects of production. Students need to be aware that they are required to spend extracurricular time to meet deadlines. This is a great course for the student that is motivated, reliable, and able to meet deadlines. ***An activity pass is required for this course. This course qualifies as an English Elective and not an English Credit.***

GENERAL ELECTIVES

Independent Studies

Grades: 10, 11, 12 — 1st or 2nd sem. — .5 credit

This opportunity is for students who wish to build their own area of study at the high school. Students will need to find a supporting teacher as their mentor. Independent Studies can be a student-centered curriculum or students can elect an online option (minimum of one IND Study each year; special cases may petition).

Job Internships

Grades: 11 & 12 — 1st or 2nd sem — .5 credit

This capstone experience gives students the opportunity to gain real world job skills in their preferred career field before graduating high school. Students will be supported by a CFHS faculty member, and students must log their experience as they work towards a determined project, skill or outcome. Job internships are available to individuals who complete a defined career pathway at CFHS, and who apply and are accepted. Not all applicants will be placed.

Job Externships

Grades: 11 & 12 — 1st or 2nd sem. — .5 credit

This experience allows students the opportunity to explore a specific career interest while gaining relevant job experience and high school credit. These opportunities are not limited to the defined pathways at CFHS like a job internship is, and instead can be explored in any area relevant to the student's interests. Externships are supported by a CFHS faculty member, and students must log their experiences and projects they complete. Externships are available by application only, and not all applicants will be placed.

FINE ARTS

ART

Intro to 2-D Art

Grades: 9, 10, 11, 12 — 1st or 2nd sem. — .5 credit

2-D Art is a semester-long course designed for beginners as well as any students interested in exploring visual arts. Through hands-on projects, students will learn essential concepts such as line, shape, value, color, and composition.Students will be introduced to a variety of art mediums, techniques, tools, and the art making process.

Intro to 3-D Art

Grades: 9, 10, 11, 12 — 1st or 2nd sem. — .5 credit

3-D Art is a semester-long course that will introduce the principles of sculpture through a variety of sculptural intents and themes. Students will use problem-solving skills to create relief as well as 3-D works using a variety of mediums such as clay, wire, paper mache, metal, wood and found objects. Students will learn the language of art and will gain skills to create interesting and expressive sculptures. Students will study a range of artworks from a historical perspective and learn to interpret meaning and significance. Students will use a sketchbook for note-taking, sketches, and assignments. This course is a requirement for Ceramic Foundations and Ceramic Studio.

Ceramics Foundations

Grades: 10, 11, 12 — 1st sem. — .5 credit

Prerequisite: Intro to 3-D Art

This course will provide a basic foundation in the fundamentals of pottery. Students will learn about the composition of clay, the process of using it to create art, and firing techniques. Students will become familiar with the many glazes and tools that potters use. Students will maintain a sketchbook to generate ideas, plan, and document their work. The elements and principles of art and art history will be incorporated into all of the pottery projects. This is a great class for students that like to use their hands, want to become one with the clay, and construct things. This class is limited to 20 students.

Ceramics Studio

Grades: 10, 11, 12 — 2nd sem. — .5 credit

Prerequisite: Intro to 3-D Art

This course will build on the basic construction methods for creating pottery. Students will work independently on projects centered on different themes and ideas that emphasize hand-building techniques. Students will experience creating wheel thrown vessels as well. Students will maintain a sketchbook to generate ideas, plan, and document their work. The elements and principles of art and art history from a contemporary perspective will be incorporated into all of the pottery projects. This is a great class for students that like to use their hands, sculpt, and be creative. Class size limited to 20 students.

Advanced Ceramics I & II

Grades: 11, 12 — 1st or 2nd sem. — .5 credit

Prerequisite: Ceramic Foundations and/or Studio

** Needs teacher approval**

These semester-long courses will build upon student's prior ceramics experience and they continue learning new ways to communicate ideas through the medium of clay. Students will learn advanced clay and glass fusing techniques, coupled with the Principles and Elements of Art and Design, to strengthen their skills in critical thinking, problem solving, and personal expression. Students will demonstrate their knowledge through the creation of their clay pieces, critiques, and written evaluations. Students will be required to maintain a sketchbook during this course. Class size limited to 20 students.

Drawing I

Grades: 9, 10, 11, 12 — 1st sem. — .5 credit

Drawing I explores the fundamentals of drawing. Students will practice drawing from observation, mark making techniques, one point perspective, and shading. Graphite, charcoal, and pen & ink will be the focus of this class. This is a beginner level course designed to meet the needs of all students interested in the visual arts. Students who wish to continue an art path should consider taking Drawing I their freshman or sophomore year.

Drawing II

Grade: 9, 10, 11, 12 — 2nd sem. — .5 credit

Drawing II is a continuation of Drawing I. It is made for students who want to improve their drawing skills and try more challenging projects. Hands-on projects include portraiture, color pencil, mixed media, and illustration.This class is designed to be a continuation of Drawing Elements. It is recommended, but not required to take Drawing I first.

Painting Elements

Grades: 10, 11, 12 — 1st sem. — .5 credit

Prerequisite: Intro to 2-D Art, Drawing I or Drawing II and teacher approval.

Painting Elements is an intermediate, studio-based course designed for students who have completed introductory art classes and are ready to deepen their skills. This class will cover the foundations of painting, color theory, and composition. Students will work primarily with acrylic paint as they expand their understanding of how artists use color, value, and form in paintings. Students are required to complete 1 semester of Intro to 2-D Art, Drawing Elements or Advanced Drawing before taking this class. Teacher approval is required.

Advanced Painting

Grades: 10, 11, 12 — 2nd sem. — .5 credit

Prerequisite: Intro to 2-D Art, Drawing Elements or Advanced Drawing and teacher approval.

Advanced painting focuses on developing advanced techniques, refining a personal style, and building an art portfolio. Students will work on individual projects, explore various media like watercolor and acrylics, and learn to develop their ideas through guided exercises, critiques, and discussions. Advanced painting builds on the course Painting Elements. Teacher approval is required.

Media Arts I

Grades: 9, 10, 11, 12 — 1st sem. — .5 credit

Media Arts I class teaches students the basics of digital art, graphic design, and illustration. Using creative software and hands-on projects, students will learn how to design images, create graphics, and illustrate their ideas digitally. The course focuses on building foundational skills, encouraging creativity, and helping students understand how digital tools can be used to tell stories and create artwork.

Media Arts II

Grades: 9, 10, 11, 12 — 2nd sem. — .5 credit

Media Arts II is a continuation of Media Arts I and focuses on photo/video editing, filmmaking, and animation. Students will learn how to capture images and videos, edit their work using digital software, and tell stories through visual media. The course emphasizes creativity, technical skills, and understanding how to plan, shoot, and edit projects from start to finish. By the end of the class, students will have developed a portfolio of photos and videos that showcase their projects.It is recommended, but not required to take Media Arts I first.

Printmaking

Grades: 9, 10, 11, 12 — 1st sem. — .5 credit

Printmaking is a semester-long class for students interested in image making and sharing ideas. Students will learn to make multiple prints onto paper and fabric to create works of art as well as wearable pieces. Carve rubber and linoleum, etch plates, screen print, create mono prints, and try a variety of other experimental techniques. No prerequisite is required for Printmaking I and all levels of art ability are welcome. Class is limited to 20 students.

Mixed Media & Visual Journaling

Grades: 9, 10, 11, 12 — 2nd sem. — .5 credit

Mixed Media and Visual Journaling is a semester-long course designed for art making with more than one medium or material to create a piece of art. Assemblages, collages, mixed media painting, and sculpture are some common examples of art using different media. Materials used to create mixed media art include, but are not limited to, paint, cloth, paper, wood and found objects. Creating a handmade journal will be a part of this course to be used for drawing prompts and reflection on assignments. Class is limited to 20 students.

MUSIC

BAND

Percussion Techniques

Grades: 9, 10, 11, 12 — 1 year — 1 credit

Percussion Techniques is a beginning percussion ensemble class and is a prerequisite to the CFHS Percussion Ensemble and the CFHS Drum line. Students will work together on music composed for percussion ensembles, and individually on skills and techniques. Students will also work on music to perform with the concert band. Students need to be aware that this is not a drum-set class and that there are very specific requirements for passing the class. Class is limited to 18 students and all are welcome, including beginners. ***All percussionists are required to pay a $20.00 non-refundable equipment usage fee.***

Concert Band

Grades: 9, 10, 11, 12 — 1 year — 1 credit

Concert Band is open to intermediate musicians. They will work on developing technique, advancing rhythmic skills and improving sound quality. Attendance at all performances is mandatory.

Wind Ensemble

Grades: 9, 10, 11, 12 — 1 year — 1 credit

Prerequisite: teacher approval

Wind Ensemble is open to advanced wind students through auditions. Members of Wind Ensemble will perform more often than the other bands. A high level of commitment to this organization is necessary for both individual and group success. Instrumentation and membership will be limited and priority will be given to 11th and 12th graders. Director approval required.

Columbians

Grades: 10, 11, 12 — 1 year — 1 credit

Prerequisite: teacher approval

Columbians is a jazz ensemble open to advanced wind and rhythm section students through audition. Instrumentation and membership will be limited and priority will be given to 11th and 12th graders. Columbians will perform extensively throughout the year, including concerts, festivals and community events. **Membership in Concert Band or Wind Ensemble is required.** Director approval required.

Percussion Ensemble

Grades: 10, 11, 12 — 1 year — 1 credit

Prerequisite: teacher approval

Percussion Ensemble is open to advanced percussionists through auditions. Students will work together on music composed for percussion ensembles. Students will also work on the music to perform with Wind Ensemble and Symphonic Band. Percussion Ensemble will perform throughout the year for community events and concerts. Percussion Ensemble will perform as a drumline for Fall Sports and will do various performances throughout the year. This class is limited to 14 students. ***All percussionists are required to pay a $20.00 non-refundable equipment usage fee.***

CHOIR

Troubadours Men: 9, 10, 11, 12 — 1 year — 1 credit

Cantilena Women: 9, 10, 11, 12 — 1 year — 1 credit

Troubadours and Cantilena are open to any student interested in singing! No previous experience is required. Students in these choirs will learn proper vocal production, ear training, and how to produce a good singing sound. We will prepare a wide variety of music to be presented at concerts throughout the year. Attendance at all performances is mandatory. Singing is a great way to relieve stress, learn about the world in a different way, and find community at CFHS. Everyone is welcome to come sing with us!

Tres Belles (Soprano/Alto)

Grade: 10, 11, 12 — 1 year — 1 credit

This ensemble is for sophomores and up who sing soprano or alto. This group is for students who would like to take their singing to the next level and enjoy the camaraderie of this specialized group. We will focus on 3 and 4 part music and improving music-reading and vocal skills. No audition required.

Columbia Chorale

Grades: 10, 11, 12 — 1 year — 1 credit

Prerequisites: 1+ year HS Choir OR HS Band and audition with Instructor

This is the concert choir at CFHS, and admission to this SATB mixed ensemble is by audition only. Students in this performance-based class will prepare a wide variety of challenging repertoire. Through preparation of music for performance, students will continue their pursuit of vocal technique, sight-reading, theory. Membership available grades 10-12 by audition, preferred experience in a HS choir or in band.

Sonifers

Grades: 10, 11, 12 — 1 year — 1 credit

Prerequisites: Audition with Instructor and enrollment in Columbia Chorale

Students who have been a member of a HS Choir for one or more years may audition for Sonifers. Members of Sonifers should also be members of a large performing ensemble (usually Columbia Chorale). Sonifers features the most outstanding vocal musicians at CFHS and focuses on the performance of advanced jazz and acapella repertoire. This ensemble travels and performs more frequently than the other choirs and therefore demands a higher level of dedication and commitment.

GENERAL MUSIC

Acoustic Guitar

Grades; 9, 10, 11, 12 — 1st sem. — .5 credit

This class is open to anyone who would like to learn or improve in playing Acoustic guitar. We will cover the basics of playing scales, chords, strumming, and reading tabs. Students will work independently on music as well as in groups. Experience is not necessary, but if you are already playing that is great too. Students must supply their guitar. 2nd semester is a continuation of this class with a focus on Songwriting. Students who have taken this class before are welcome to take it multiple times.

Intermediate/Advanced Guitar + Songwriting

Grades 9, 10, 11, 12 — 2nd sem. — .5 credit

This class is designed as the second half of the intro to guitar course. Students will further their skills, technique, and songwriting. Students will work independently and in groups. Please see the instructor to make sure this class would be a good fit for you if you did not already pass Acoustic Guitar.

Electronic Music

Grades: 10, 11, 12 — 1st or 2nd sem. — .5 credit

This class will cover the basics of making music on the computer. We will learn about synthesizers, drum machines, mixers, effects and mastering. We will study and create music based on Electronic Dance Music genres. Music will be created with an audio program called FL Studio. No prior experience is required, as this class will start at a beginning level and progress through more advanced techniques throughout the semester. This class is limited to 23 students.

WORLD LANGUAGES

The five-goal areas of the World-Readiness Standards for Learning Languages establish an inextricable link between communication and culture, which is applied in making connections and comparisons and in using this competence to be part of local and global communities. Data shows that students who earn a "D" or lower in a language course are not adequately prepared to meet these standards and therefore may not advance to the next language level or semester. A student who has earned a "D" grade, may use their Spanish course for an *elective credit.*

Spanish I

Grades: 9, 10, 11, 12 1 year 1 credit

Prerequisites: A "C" grade, or better, in English, with a strong grammar background is a good predictor of success in a world language. Students enrolling in world language classes should possess good note-taking skills, the ability to focus attention on instructors and in-class activities. In addition, students should have the time and interest to pursue a rigorous course of study, with homework almost daily.

Those students who have taken Spanish I at CFJH will progress directly into Spanish II.

All Spanish courses are offered as a year-long class. Students may not enroll on a semester-by- semester basis. Initial emphasis is placed on introduction of the basic sound system, listening, understanding and conversation through the use of the text and other supplementary materials. Elementary grammar is introduced, as are basic history and culture through maps, reading and audio-visual aids. Students will hear Spanish spoken by the teacher at least 50% of the time, and are required to make an effort to use the Spanish language.

Spanish II

Grades: 9, 10, 11, 12 1 year 1 credit

Prerequisite: Completion of Spanish I with a C or better and teacher recommendation.

The second-year class increases the grammatical skills, while enriching vocabulary and putting more emphasis on listening, speaking, reading, writing and cultural knowledge. The course objectives are similar to Spanish I but within the parameters of a second-year student's interest level and ability. Students will be introduced to Latin American Culture as it relates to art, food, history and other diverse customs. Students will hear Spanish spoken by the teacher at least 75% of the time, and are expected to make an effort to use the language.

Spanish III

Grades: 10, 11, 12 1 year 1 credit

Prerequisite: Completion of Spanish II with a C or better and teacher recommendation.

This class aims to refine and add to the grammatical skills acquired in Spanish II while enriching vocabulary and putting special emphasis on speaking with facility, reading original works of literature and writing brief compositions. Cultural knowledge shall be expanded, exploring topics related to art, food, history and authentic Latin American culture. *An exception will be made for Freshman that meet placement test requirements and receive teacher recommendation.*

Spanish 101 & 102 **FVCC Dual credit (SPNS101/102)**

Grades: 11, 12 1 year 1.0 CFHS credits

Prerequisite: Completion of Spanish IV or three years of high school Spanish with an average grade of C or better. Instructor permission is required.

This course is for students interested in becoming fluent and **it is directed in Spanish.** The class is aimed at accelerating the proficiency of the students in areas of listening, reading, and language mechanics In Spanish. Our primary emphasis is to move beyond memorized vocabulary and grammar, while developing skills to communicate in a natural way and real life situations. Upon enrollment, **students are expected to communicate in Spanish at all times**, review, practice, and apply concepts learned in previous Spanish courses. This class is geared to **self-motivated** students who desire to be bilingual and further their post high school studies in foreign languages. This dual class will allow CFHS students to experience the challenge of a college level class, while earning dual credit. Topics in family and community, identity, history, science and technology, contemporary life, global issues, and art and aesthetics will be covered throughout each semester. (8 FVCC credits)

French I

Grades: 9, 10, 11, 12 (class is limited to 25 students) 1 year 1 credit

Prerequisite: A "C" grade, or better, in English, with a strong grammar background is a good predictor of success in a foreign language. Students must be highly motivated with a strong work ethic. The course requires involved participation for in-class activities. Regular attendance required.

This course for beginner students to advance to a novice middle to high level of proficiency. Students will develop vocabulary and grammar within the context of school, home life, family, food, preferences, and leisure activities. Students will develop proficiency in reading, writing, speaking, and listening. The course will also expose students to the diverse cultures of the French and Francophone world.

French II

Grades: 10, 11, 12 1 year 1 credit

Prerequisite: Completion of a full year of French I with a C or better and teacher approval required.

This course is for novice level students to continue developing their French language proficiency to a low-intermediate level. Students will develop vocabulary and grammar within the context of stories, media, art, films, history, songs, and current events. Students will make cultural connections and comparisons with the diversity of the French and Francophone world including current and historical events, traditions, aesthetics, identities, and customs. *This course will be taught in French.*

French III

Grades: 11, 12 1 year 1 credit

****This course will be taught in the same period as French II***

Prerequisite: Completion of full year of French I and II with a C or better and teacher approval required.

This course is for low-intermediate students to advance their proficiency in the areas of French language acquisition. Students will be able to discuss the future, express wishes, doubts, regrets, and needs, and articulate accounts of the past. Students will read and listen to a variety of French and Francophone media including news articles, stories, songs, art, literature, and films. Students will expand their vocabulary to study topics that may include current events, family and community, identity, history, science and technology, contemporary life, global issues, and art and aesthetics. *This course will be taught in French.*

French IV **FVCC Dual Credit (FRCH101/102)****

Grade: 12

Prerequisite: Prerequisite: Completion of full year of French 1, 2, and 3 with a C or better and teacher approval.

This capstone class of the French program will have students expand their presentational and interpersonal speaking. Reading will include literature and current events from French news sources. Writing will expand to interpersonal and formal writing styles. Critical thinking will be developed in perspective taking, intercultural connections and comparisons, and analysis of media including news articles, stories, songs, art, literature, and films. Students will develop a capstone project that will require research, writing, listening, and speaking in French. Topics will vary in order to not be a repetition of previously taught content. *This course will be taught in French and with French II and III.*

HEALTH ENHANCEMENT

Health Enhancement 9G (Girls) **Health Enhancement 9B (Boys)**	1 year	1	credit
Health Enhancement 10G (Girls) **Health Enhancement 10B (Boys)**	1 year	1	credit

These classes run on an alternating schedule. Health lessons are held twice a week and fitness activities three times per week. Students will participate in a wide range of fitness and wellness building activities, while exploring and studying a variety of wellness topics and concerns in health. All aspects of the health enhancement program work toward an educated background for student decision-making and healthy lifestyles.

Health Electives

Fitness For Sports

Grades: 9, 10, 11, 12 — 1 year — 1 credit

This is an advanced-level class for the serious athlete. Students will be expected to lift weights, do plyometrics, develop core strength, improve aerobic level and work on sport specific skills. This class cannot be taken in lieu of Health Enhancement.

Outdoor Recreation and Lifetime Fitness

Grades: 10, 11, 12 — 1 year — 1 credit

This full-year elective introduces students to a variety of lifelong outdoor recreational activities using the resources of the Flathead Valley, with units such as: mountain biking, hiking, cross country skiing, snowshoeing, fly fishing, and water safety. Students will learn the essential skills, safety protocols, and principles for responsible enjoyment of the outdoors. A required Lifetime Fitness component is integrated throughout the year, utilizing free weights, cardio, and mobility exercises. This course emphasizes practical skills, physical wellness, and environmental stewardship.

MATHEMATICS

Pre-Algebra

Grades: 9 1 year 1 credit

Prerequisite: Math Teacher Approval

This course focuses on the key concepts that provide a strong foundation in the essentials of Algebra. The emphasis is on practicing and maintaining skills, exploring applications of Algebraic concepts, applying concepts to real-world problems, and providing time to explore each concept thoroughly. Topics include: number sense review, solving and writing multi-step equations and literal equations, solving and writing inequalities, graphing linear equations, solving systems of linear equations, function exploration and graphing, as well as proportional reasoning and basic statistics. *Students will then take Algebra 1 the following year.*

Algebra 1

Grades: 9, 10, 11 1 year 1 credit

Prerequisite: Students will be placed in Algebra 1 based on diagnostic and screening test scores.

This is the initial college preparatory course. Traditional algebraic topics covered will include solving equations, inequalities and systems. Evaluating data as functions (linear and quadratic) and analyzing aspects of their graphs. Also included will be strands from geometry, statistics and probability. Students will work within the real number system with emphasis on rational numbers utilizing problem-solving skills with graphing technology.

Geometry

Grades: 9, 10, 11, 12 1 year 1 credit

Prerequisite: Minimum of a C- in Algebra 1 or teacher approval *Junior High students completing Algebra 1 with a grade of B or above and with teacher approval

This is the second college preparatory course. Topics include the study of Euclidean, transformational, and coordinate geometry; two- and three-dimensional figures; and trigonometry. Also included will be strands from algebra, non-Euclidean geometry.

Algebra 2

Grades: 9, 10, 11, 12 1 year 1 credit

Prerequisite: Minimum of a C- in Algebra 1 and Geometry

This is the third college preparatory course including intermediate algebra and intermediate trigonometry. The topics covered in this course are focused around functions, including linear, quadratic, rational, logarithmic, polynomial, exponential, and inverse functions within the real and complex number systems. Strong emphasis on graphing functions, analyzing data and calculating zeros.

Practical Math

Grades: 11, 12 1 year 1 credit

Prerequisite: Math Teacher Approval and Algebra 1

This course is offered as a 3rd credit of math ONLY, and cannot be taken after successful completion of Algebra 2 or higher courses.

** *2nd Semester ONLY* Meets Financial Literacy Graduation Requirement**

** This class does not meet MT State Standards of Geometry**

In this high school math course, students use math to solve real-world problems and to solidify their understanding of key mathematical topics. Students learn how to use several mathematical models involving Algebra and Geometry to solve problems through application. Key concepts Include, but are not are limited to, 2-D and 3-D area, surface area, volume, SOHCAHTOA, angle relationships, conversion/dimensional analysis, general statistics, probability, graphs of statistical data, finance, and budgeting. *Upon successful completion of Semester 2 of this course, students will meet the State of Montana's Personal Finance graduation requirement. Students could take HS Statistics and Advance Geometry following this class.*

High School Statistics and Advanced Geometry

Grades: 11, 12 1 year 1 credit

Prerequisite: 3 credits of Math, OR the completion of Algebra 2

****Math Teacher Approval Required to ensure correct placement.

This course is offered primarily for those seeking a 4th credit of math, but not seeking College level credit or AP Classes. The course will cover Montana State HS Mathematics Statistics Standards, as well as more in-depth and advanced topics in Geometry. Topics include, but are not limited to, categorical and quantitative data, inferences and conclusions, conditional probability and rules of probability, tools and techniques of geometrical measurement, measurement in congruent and similar figures, measurement in 2 and 3 dimensions, proof and transformational geometry.

AP Pre-Calculus

Grades: 11, 12 1 year 1 credit

Prerequisite: Algebra 2/Trigonometry, grade of C or above.

This is an advanced pre-calculus course. The course is intended for students planning to pursue AP Calculus or college level calculus courses. Topics covered will include logarithmic and exponential functions, trigonometric and circular functions, identities and inverses and their applications. The concept of limits is applied to rational functions and to discrete functions such as infinite sequences and series. The class will be taught using TI-84 Plus calculators.

AP Calculus

Grades: 11, 12 1 year 1 credit

Prerequisite: Pre-Calculus

This is an Advanced Placement Calculus course that will include an in-depth look at differential and integral calculus and is a college preparatory course. We will use technology to help develop a conceptual understanding of the key elements in calculus. Students are encouraged to purchase a graphing calculator with calculus functions such as a TI-84 Plus for use on the AP Exam. The class is taught using a TI-84 Plus.

NOTE: Students are encouraged to take the College Board AP exam at the end of the course. Successful completion of the AP exam may result in preferential admittance, college credit, advanced placement or the waiving of an introductory college course depending on the policies of the college of their interest. Each institution of higher education determines how it will treat the successful completion of the AP exam, and it is the student's responsibility to research those policies.

College Math and Statistics **FVCC Dual credit (M115/STAT216M)**

Grades: 11, 12 1st sem. .5 credit

Prerequisite: Students must pass the FVCC entrance test the previous spring.

First semester, this course will apply mathematical reasoning and problem solving. Topics covered include operations in the real number system, linear functions, exponential functions, dimensional analysis, concentration calculations, proportional reasoning, introductory statistics (including basic regression analysis), and introductory probability concepts. (3 FVCC credits)

2nd Semester Prerequisite: Must take 1st semester & pass with a C or better

2nd sem. .75 credit

Second semester, this course covers graphical methods, measures of location and dispersion, probability, commonly used distributions, estimations, and tests of hypothesis through analysis of variances are introduced. This course is important for any student planning to take a College Algebra, College Pre-Calculus or a College Statistics class.
(4 FVCC credits)

CFHS SCIENCE COURSE OFFERINGS

** indicates Science Teacher approval

Freshman (9th)	Sophomore (10th)	Junior (11th)	Senior (12th)
Biology (Year)	Earth Science (Year) OR Chemistry ** (Year)	Complete Biology + Earth Science/Chemistry	Complete Biology + Earth Science/Chemistry

Sophomore Electives (Cannot Replace Required Courses)

Field Ecology ** (Year)	Zoology ** (Semester)
Botany ** (Semester)	

Juniors and Seniors may choose from the following electives:

PHYSICAL SCIENCE

AP Chemistry ** (Year)	Physics (Year)
Astronomy (Semester)	Geology of the Flathead (Semester)
Chemistry (Year)	

LIFE SCIENCE

AP Biology (Year)	Botany (Semester)
Zoology (Semester)	Field Ecology (Year)
Principles of Biomedical Science (Year)	Anatomy and Physiology (year)

SCIENCE

Biology

Grade 9 (required) 1 year 1 credit

A study of living organisms (plants, animals, microscopic organisms) emphasizing a cellular approach. Through this class students will investigate cellular structures, functions, maintenance, growth, development, genetics and classification of organisms. We try to make students understand that Science is a way of knowing, a way of explaining the natural world through observations, questions, and experiments. Science is understanding humans and the world around us. This begins with matter that forms our bodies and the energy that powers life's processes.

Earth Science

Grade 10 (required), 11 & 12 (as needed) 1 year 1 credit

Earth Science studies the Earth, its physical processes, and its relationship to the solar system. Earth Science is an approach to viewing Earth through many different interconnected systems. Students will learn physical sciences describing the systems that continually shape and change the Earth with investigative study. Earth Science includes the following topics: Introduction to basic Chemistry and Physics, Scientific Methodology, Minerals, Rocks and the Rock Cycle, Plate Tectonics, Volcanism, Mountain Building, Geologic Time, Weathering, Soils, Erosion, Deposition, Glaciation, Water Cycle, Surface Water Systems, Ground Water Systems, Atmosphere, Weather and Climate, and the Solar System.

Chemistry

1 year 1 credit

Grades: 11 & 12 (10 with instructor approval see criteria below)

Prerequisite: 2 years of Science credit

If you are in 10th grade you can take chemistry only if you meet one of the two following criteria: 1.) 10th graders in Algebra 2 AND Earth Science 2.) 10th graders in the top 10% of their class and also enrolled in Algebra 2. (If you meet criteria 2 you do not have to take Earth Science.)

Chemistry is designed for those students going to college and need an in-depth rigorous background in chemistry. It is intended to prepare students who are planning on science related studies that would include: pre-medical (pre-med, pre-vet, pre-dentistry), engineering, science research, and environmental studies. A strong background in mathematics is suggested. Emphasis will be on calculations and theoretical chemistry as well as design of and performance of lab experiments. Students who complete this course will be allowed to take AP Chemistry in following years.

AP Chemistry 1 year 1 credit

Grades: 11 & 12

Prerequisite: Chemistry, Algebra2/Trig

The AP Chemistry course is designed to be the equivalent of the general chemistry courses usually taken during the first college year. For some students, this course enables them to undertake, as college freshmen, second-year work in the chemistry sequence. Students in AP Chemistry will attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. Students in AP Chemistry must be prepared to conduct laboratory experiments equivalent to that of a typical college course. AP Chemistry is designed to be taken only after the successful completion of the first- year chemistry course.
NOTE: Students are encouraged to take the College Board AP exam at the end of the course. Successful completion of the AP exam may result in preferential admittance, college credit, advanced placement or the waiving of an introductory college course depending on the policies of the college of their interest. Each institution of higher education determines how it will treat the successful completion of the AP exam, and it is the student's responsibility to research those policies.

AP Biology

Grades: 11 & 12 1 year 1 credit

Prerequisite: Biology or Chemistry or Zoology/Botany or Anatomy and Physiology

This course will involve an in-depth study of Biochemistry, Cytology, Respiration Photosynthesis, DNA and Chromosomes, and Genetics. Students will complete 12 Advanced Placement biology labs in the areas of Diffusion and Osmosis, Enzyme Catalysis, Mitosis and Meiosis, Plant Pigments and Photosynthesis, Cell Genetics, Molecular and Mendelian Genetics.
NOTE: Students are encouraged to take the College Board AP exam at the end of the course. Successful completion of the AP exam may result in preferential admittance, college credit, advanced placement or the waiving of an introductory college course depending on the policies of the college of their interest. Each institution of higher education determines how it will treat the successful completion of the AP exam, and it is the student's responsibility to research those policies.

Physics 1 year 1 credit

Grades: 11 & 12

Prerequisite: Algebra 1 and Geometry (Physics does involve some basic trigonometry concepts from Algebra II, but students could take Physics concurrently with Algebra 2).

Physics explores conceptions such as kinematics, Newton's laws, energy, momentum, work, waves, charge and magnetism. Students will apply these concepts using critical thinking, laboratory experiments, and mathematical problem-solving, with an emphasis on applying these principles to real-world situations and developing scientific reasoning skills. This is an algebra-based course and no previous experience in physics is required.

Zoology

Grades: 10 (with instructor approval), 11 & 12 1st sem. .5 credit

Prerequisite: 2 years Science credit

NOTE: Cannot be substituted for Grade 10 requirement of Earth Science

Zoology discusses the branch of biology that deals with animals and animal life, including the study of the structure, physiology, development, and classification of animals. Some of the topics discussed include the classification of animals, invertebrates, including fishes, amphibians, reptiles, birds, and mammals. Students should expect daily homework load as well as dissections, projects, quizzes, tests, and laboratory write-ups. Laboratory and outdoor experiences complement classroom activities. A high level of understanding in problem solving and the scientific methods is necessary for success in this course.

Botany 2nd sem. .5 credit

Grades: 10 (with instructor approval), 11 & 12

Prerequisite: 2 years of Science Credit

NOTE: Cannot be substituted for Grade 10 requirement of Earth Science

Botany is the scientific study of plants and their relationship to the environment. In this course, students investigate growth, reproduction, anatomy, physiology, taxonomy, genetics, and laboratory write-ups. Laboratory and outdoor experiences complement classroom activities. A high level of understanding in problem solving and the scientific methods is necessary for success in this course.

Field Ecology

Grades: 10 (with instructor approval), 11, 12 1 year 1 credit

Prerequisite: 2 years of Science credit

NOTE: Cannot be substituted for Grade 10 requirement of Earth Science

Field Ecology is a full-year, 2-semester elective course. The goal of Field Ecology is to provide students with the scientific principles, concepts, and methodologies required to work in and have a positive impact on the Natural World. Students will engage and work actively with resources and alongside professionals at a local level, as well as within the beauty and Natural Environment of Glacier National Park. Field Ecology will embed the use of up-to-date technology such as Geographical Information System (GIS) which is a system of storing, analyzing, mapping data and geographical features. Field Ecology is interdisciplinary and embraces a wide variety of topics from different areas of study while bringing together common themes in science such as: science as a process, energy conversions, interconnected ecosystems, and environmental problems to name a few. This is a field course and students will be required to participate fully in all field trips and projects. A hands-on approach and collaborative environment will be encouraged and expected in all learning activities.

Geology of the Flathead 1st sem. .5 credit

Grades: 11 & 12

Prerequisite: 2 years of Science credit, Earth Science

NOTE: Cannot be substituted for Grade 10 requirement of Earth Science

Geology of the Flathead is a one semester elective course. This course is an in-depth study of the Earth's physical processes that shape the Flathead Valley, Mission Valley, Glacier National Park, and other surrounding areas. This course applies information learned in Earth Science about glaciation, surface water, ground water, mountain building, earthquakes, and rock/minerals to understand features and land uses of our region. This course has a field component that includes site visits to see and observe how geologic forces shape the Earth, and how human land use (agriculture, energy production, water consumption, mineral extraction, habitations) is tied to the geology of a region.

Astronomy

Grades: 11 & 12 2nd sem. .5 credit

Prerequisite: 2 years of Science credit, Earth Science

NOTE: Cannot be substituted for Grade 10 requirement of Earth Science

The purpose of this course is to enable students to develop and apply knowledge of the universe and compare the conditions, properties and motions of bodies in space. Emphasis shall be placed on concepts basic to earth. Including materials, processes, history, and the environment.

This course introduces you to the composition and structure of the universe. Astronomy is the scientific study of the conditions, properties, and the motions of bodies in space. The content includes, but is not limited to, historical astronomy, astronomical instruments, the celestial sphere, the solar system, the earth as a system in space, the earth/moon system, the sun as a star, and stars.

Human Anatomy and Physiology 1 year 1 credit

Grades: 11 & 12

Prerequisite: 2 years of Science credit **Can be taken as Science or CTE/Vocational Credit

Human Anatomy and Physiology is a laboratory-based course that investigates the structure and function of the human body. Topics covered will include the basic organization of the body; biochemical composition; and major body systems along with the impact of diseases on certain systems. Students will engage in many topics and competencies related to truly understanding the structure and function of the human body. Working from the topics of basic anatomical terminology to the biochemical composition of the human body, all the way into great detail of each of the major systems for the body, students will learn through group work, projects, and labs. High levels of achievement will be in effect. Students will be responsible for proper use of lab equipment, written assignments, and projects assigned throughout each unit. One of the goals of this course is to prepare students with the skills necessary to be successful in future science classes in college.

SOCIAL STUDIES

Global Studies 1st sem. .5 credit

Grades: 9, 10, 11, 12

This course is designed to strengthen student knowledge and skills in the study of both human and physical geography. Each semester will focus on the study of various regions of the world applying the five themes of geography while exploring the culture, history and geopolitics of those regions, including current events shaping the region today. Throughout the course students will develop their critical thinking skills, effective literacy skills and social and communication skills for success in high school and post-secondary education.

Current Issues 2nd sem. .5 credit

Grades: 9, 10, 11, 12

This course examines the process of making public policy at the local, state and federal level of government as well as current issues confronting the nation and the world. Specific problems associated with public policy and issues that impact individuals will be the focus. Local, state, domestic and foreign policy issues will be the focus of the course, specifically what is trending in these areas at this time. This course prepares the students to actively participate as informed citizens of the United States as well as emphasizing the development of inquiry and analysis skills. Multiple resources will be applied in the course and as many forms of media as are available will be applied as materials in the course.

Modern World History 1 year 1 credit

Grades: 10, 11, 12

Modern World History examines major turning points in the shaping of the modern world, from the late 15th century to present. The course will emphasize the growing interdependence of people and cultures throughout the world. Students investigate the roles that geography, religion, culture, and politics play in the shaping of modern civilization. Students explore political, economic, and social systems of the last two centuries. They investigate current issues in order to integrate events of the past to contemporary affairs. Students participate in a variety of learning experiences including note taking, group projects, research, multi-media presentations, simulation exercises, and role playing. Classes integrate literature and the fine arts with the study of history.

Practical Law - Criminal 1st sem. .5 credit

Grades: 11, 12

The introduction to the Law and Legal system, students will explore such topics as: What is Law? How are laws made in the various branches of government? How is our legal system organized, including the difference between trials and appeals and between the state and federal court systems? Other topics include: criminal law, the criminal justice process, and the juvenile justice system.

Practical Law - Civil 2nd sem. .5 credit

Grades: 11, 12

Students will be introduced to torts or civil laws with the understanding that the primary goal of civil law is not to punish but to protect people by helping them avoid problems and resolve disputes. Students will learn about the process in which civil law cases are resolved through the court system, negotiation, mediation and lawsuits. Students will also explore various topics as consumer law and housing law and how these laws are applied to everyday life.

United States History 1 year 1 credit

Grade: 11

United States History is a consideration of the ideas, the people, the places, and the things, which have combined to make the American Nation what it is today. It includes a continuing evaluation of how these aspects of the past are related to situations of the present that will influence the future.

AP United States History 1 year 1 credit

Grade: 11

APUSH focuses on developing students' understanding of American history from approximately 1491 to the present. The course has students investigate the content of U.S. History for significant events, individuals, developments, and processes in nine historical periods, and develop and use the same thinking skills and method (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides seven themes (American and national identity; migration and settlement; politics and power; work, exchange, and technology; American in the world; geography and the environment; and culture and society) that students explore throughout the course in order to make connections among historical developments in different times and places. (Adapted from the College Board)

APUSH is designed to be the equivalent of a two-semester introductory college or university U.S. History course. Its pace can be challenging, because the course's content must be finished in April for AP exams in early May. Students will have to demonstrate their mastery of essential skills and content on college-level exams and essays.

NOTE: Students are encouraged to take the College Board AP exam at the end of the course. Successful completion of the AP exam may result in preferential admittance, college credit, advanced placement or the waiving of an introductory college course depending on the policies of the college of their interest. Each institution of higher education determines how it will treat the successful completion of the AP exam, and it is the student's responsibility to research those policies.

Introduction to Psychology 1 year 1 credit

Grades: 11 & 12

Psychology is defined as the scientific study of mental processes and behavior. While most people think psychology is primarily about clinical issues such as psychological disorders, this makes up only a small part of the field. This course is a broad introduction of psychological terms, facts and principles designed to aid you in understanding individual behavior. Behavior is analyzed and interpreted through a survey of the various areas of psychology, including, but not limited to: brain and behavior, sensation and perception, motivation and emotion, intelligence, personality, principles of learning, disorders and breakdown. One of the best aspects of psychology is that you are the subject matter. This makes it possible to do many demonstrations that allow you to experience the topic under study.

American Government 1 year 1 credit

Grade: 12

American Government is an academic study of the foundations and workings of the American political system, focusing primarily on the national level of government. Emphasis is placed on origins of American government and the organization and functions of the branches of the federal government as well as the freedoms entitled to Americans through the Constitution. Federalism and other aspects of the American government including interest groups, political parties, votes and voting behavior, the electoral process, civil liberties and civil rights will also be discussed. The assignments, projects and lectures in this course are designed to enhance students' ability to think critically about politics, political institutions and political choices. Students will read and discuss currents events, non-fiction, and primary source documents to deepen their understanding of the U.S. government and politics

AP American Government & Politics 1 year 1 credit

Grade: 12

This course is intended for college-bound students. It provides an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics.

NOTE: Students are encouraged to take the College Board AP exam at the end of the course. Successful completion of the AP exam may result in preferential admittance, college credit, advanced placement or the waiving of an introductory college course depending on the policies of the college of their interest. Each institution of higher education determines how it will treat the successful completion of the AP exam, and it is the student's responsibility to research those policies.

Montana History 1st or 2nd sem. .5 credit

Grades: 10, 11, 12

This course is designed to strengthen student knowledge in the rich history of the Treasure State. The course will cover a wide spectrum of the state's history: Exploration, the Fur Trade, the Mining Frontier, Indian Removal, Stockmen and the Open Range, Railroads, Silver, and Statehood, Copper and Politics, 1880-1910, and the Homestead Boom, 1900-1918. The course will also cover contemporary issues both local and regional. Students will develop a broad understanding of the political, social and economic transformation of the state of Montana. Students will be expected to read various articles, novels, and other Montana based literature.

VOCATIONAL ARTS

Business and Computer Science

Computer Essentials Foundations

Grades: 9, 10, 11, 12 — 1 year — 1 credit

Prerequisite: Teacher Approval

***Students must complete the entire year of Computer Essentials – Foundations to meet the graduation requirement.*

Computer Essentials Foundations will include learning how to keyboard. It will be a Windows based course using Microsoft Office. You will learn to format documents, organize and calculate data, create graphs and charts, create dynamic on-screen presentations, and learn desktop publishing. You will explore career and college options as well as learn about Internet Safety.

Computer Essentials

Grades: 9, 10, 11, 12 — 1st or 2nd sem. — .5 credit

Prerequisite: Keyboarding a minimum of 30 words per minute.

Computer Essentials will be a Windows based course learning Microsoft Office. You will learn to format documents, organize and calculate data, create graphs and charts, create dynamic onscreen presentations, and learn desktop publishing. You will explore career and college options as well as learn about Internet Safety. This course will include the use of G-mail accounts.

Computer Applications

Grade: 9, 10, 11, 12 — 2nd sem. — .5 credit

Prerequisite: Computer Essentials (C or higher)

This course will be designed to apply what you learned in Computer Essentials. It will include projects to integrate the Microsoft programs including but not limited to Word, Excel, PowerPoint, and Access. In addition, you will have the opportunity to learn advanced options/functions of each program within Office 2019 and Office 365.

Web Design

Grades: 9, 10, 11, 12 — 2nd sem. — .5 credit

Prerequisite: Computer Essentials / Foundations (C or higher)

Web Design will use a variety of software and/or on-line web tools to develop high-quality Web sites complete with graphics, animations, buttons, and more. You will learn to design and create attention-getting, interactive sites that business, government, schools, and virtually every organization need to communicate in today's society.

Personal Finance A

Grades: 11 & 12 — 1st sem. .5 credit

Prerequisites: Computer Essentials/Foundations

** Meets Financial Literacy Graduation Requirements**

The Personal Finance A course will help students become financially responsible, conscientious members of society with the use of technology. To reach that end, this course develops students' understanding and skills in such areas as income and careers, money management, budgeting, financial goal attainment, the wise use of credit, and managing resources such as housing and vehicles. Students are encouraged to take both Personal Finance A and B.

Personal Finance B

Grades: 11 & 12 — 2nd sem. .5 credit

Prerequisite: Computer Essentials/Foundations

** Meets Financial Literacy Graduation Requirements**

Personal Finance B will extend into investing, retirement, risk management, property, liability, health, and life insurance, as well as consumer rights and responsibilities. Students are encouraged to take Personal Finance A prior to B but it is not required.

Accounting I

Grades: 10, 11, 12 — 1st sem. .5 credit

Prerequisite: Computer Essentials / Foundations

** Meets Financial Literacy Graduation Requirements**

Beginning accounting includes manual and automated accounting, including work with spreadsheets and automated accounting techniques. Basic accounting knowledge is valuable for both personal and professional success. The course is not limited to students focusing on becoming accountants, but is really valuable as a life skill.

Accounting II

Grades: 10, 11, 12 — 2nd sem. .5 credit

Prerequisite: Accounting I (C or higher)

Beginning accounting includes manual and automated accounting, including work with spreadsheets and automated accounting techniques.

Introduction to Business

Grades: 10, 11 & 12 — 1st sem — .5 credit

Prerequisite: Computer Essentials / Foundations

** Meets Financial Literacy Graduation Requirements**

Introduction to Business is designed to give students practiced office skills needed to work effectively in the business world. A study of business functions, methods of business operation, types of business ownership, and the role of business organizations in contemporary society. Skills learned in this class are applicable to many careers.

Entrepreneurship — 2nd sem. — .5 credit

Grades: 10, 11, 12

Prerequisites: Computer Essentials / Foundations

** Meets Financial Literacy Graduation Requirements**

This course is a practical, hands-on approach to planning, organizing, and managing a small business. While using an entrepreneurship simulation, students will develop a comprehensive business plan and marketing materials for a student-selected teen-based business. Students will use a variety of Microsoft Office software applications to create management documents.

Marketing & Advertising *(with a Sports & Entertainment focus)* — 1st sem — .5 credit

Grades: 10, 11, 12

Prerequisites: Computer Essentials / Foundations

This course will show how brands communicate with and influence consumers through advertising, promotions, and integrated marketing campaigns. The class combines theory with hands-on projects, including developing ads, analyzing campaigns, and creating promotional strategies across print, digital, and social media platforms. By the end of the course, students will understand how to plan, design, and evaluate advertising that effectively builds and promotes a brand.

Digital Marketing *(with a Sports & Entertainment focus)* — 2nd sem — .5 credit

Grades: 10, 11, 12

Prerequisites: Computer Essentials / Foundations

This course will cover how businesses use digital tools to reach and engage audiences through websites, social media, email, online advertising, and analytics. The class emphasizes hands-on practice with real-world digital marketing techniques, including content creation, search engine optimization, and campaign planning. By the end of the semester, students will understand how to build effective digital marketing strategies and measure their success using data-driven insights.

FAMILY and CONSUMER SCIENCE

Exploring FCS

Grades: 9 & 10 — 1st or 2nd sem. — .5 credit

** Meets Financial Literacy Graduation Requirements**

Are you hungry and no-one is home? What are you going to make to eat? Are you curious about foods from around the world? Do you have a hole in your pants that needs fixing? Do you want to know how to set successful goals? Is there a new video game or iPhone you need to save up for, but don't know how? This class just might be for you!

Exploring FCS will provide students with the opportunity to build and strengthen their interest in the fundamental areas of Family and Consumer Sciences (FCS). This course will provide the foundation for the upper-level FCS courses offered at CFHS. Through group and laboratory activities, students will develop basic skills in food and meal preparation, financial responsibility, sewing, relationships, and personal and development.

Kitchen Cuisine

Grades: 10, 11 & 12 — 1 year — 1 credit

Kitchen Cuisine provides a comprehensive coverage of culinary and management topics with an industry-infused approach. Curriculum from the ProStart program will be used to ensure standards from the National Restaurant Association are upheld. Topics covered include: restaurant and foodservice industry, SERV Safe kitchen safety, salads, dressings and dips, sandwiches and pizza, stocks, soups and sauces, cooking methods, baking, and service and management.

La Cuisine

Grades: 11 & 12 — 1 year — 1 credit

Prerequisite: Teacher Approval, Grade C or higher in Kitchen Cuisine,

La Cuisine provides the next level of ProStart curriculum that has been developed by the National Restaurant Association Educational Foundation. First semester will be focused on covering dry-heat, moist-heat, and combination cooking methods as well as altering recipes, time management, garnishing/plating, and food cost.

Second semester provides career and technical education training in the area of restaurant work. Students gain skills to qualify themselves for entry-level jobs in the food service industry. Students review theory and concepts of restaurant work and then create "restaurants", in which the food is served to faculty at lunchtime. Recipes are standardized and converted for quantity cooking. Students plan meals, grocery shop, prepare food, design menus, decorate, host, wait tables, cashier and learn about safety and sanitation.

Apparel and Design - Independent Study

Grades: 10, 11 & 12 1 year 1 credit

Prerequisites: Teacher approval

Students will use their construction and design skills and fabric knowledge to delve into an advanced course of study. A variety of clothing and design projects will be completed, no less than eight. Due to this class's independent element, students will need to be self-supporting. High levels of independence, motivation, and problem solving are crucial to success. Students will provide their own supplies and materials.

Child Development

Grades: 10, 11 & 12 1 year 1 credit

Are you interested in children, planning a career in education, parenting skills, child psychology or social work? Child development will cover children and families in today's world, pregnancy and childbirth, infancy, toddler years, preschool years, school age years and preparing for a child-related career. Part of the class will include bi-weekly visits to a variety of grade school classes. The main purpose of this activity is to work with children of different ages and see a variety of classroom management styles.

Pre-school Co-op – Internship

Grades: 11 & 12 1 year 1 credit

Prerequisite: Child Development with a C or higher and teacher approval is required. *Students must have their own mode of transportation, and a study hall before and after the class is helpful.*

This class provides students with on-the-job training during school time. Students will work in a local daycare/preschool or elementary school. Students will use previous education backgrounds to enhance knowledge and gain employment skills in the child development field by observing/working 3-5 days a week in the field. The rest of the time will be devoted to networking with other students, preparation, or evaluation.

HEALTH OCCUPATIONS

Human Anatomy and Physiology 1 year 1 credit

Grades: 11 & 12

Prerequisite: 2 years of Science credit / **CTE/Vocational credit***

Human Anatomy and Physiology is a laboratory-based course that investigates the structure and function of the human body. Topics covered will include the basic organization of the body; biochemical composition; and major body systems along with the impact of diseases on certain systems. Students will engage in many topics and competencies related to truly understanding the structure and function of the human body. Working from the topics of basic anatomical terminology to the biochemical composition of the human body, all the way into great detail of each of the major systems for the body, students will learn through group work, projects, and labs. High levels of achievement will be in effect. Students will be responsible for proper use of lab equipment, written assignments, and projects assigned throughout each unit. One of the goals of this course is to prepare students with the skills necessary to be successful in future science classes in college. Can be taken as a CTE credit or Science credit.

Opportunities in the Health Professions ** FVCC Dual credit (HTH 101)**

Grades: 11 & 12 1st sem. .5 credit

This course is intended to offer students an opportunity to explore the world of health care. Through research, discussion groups, and observations, students will explore various career paths in health care. Students will identify the educational requirements for various health care careers. Some of the topics to be discussed are; characteristics of health care personnel, certifications and licensing, health care systems, health care philosophy, law and ethics pertaining to health care, client advocacy, current issues and trends in health care, and economic issues in health care. This class is offered in the 1st semester only. (2 FVCC credits)

Medical Terminology ** FVCC Dual credit (AHMS 144)**

Grades: 11 & 12 2nd sem. .5 credit

A systematic approach to scientific terminology in order to prepare students to function properly in fields related to the medical profession. Familiarity with word elements and competent use of a medical dictionary are emphasized. This class is offered in the 2nd semester only. (3 FVCC credits)

VOCATIONAL ARTS

INDUSTRIAL TECHNOLOGY

Industrial education offers something for all levels of academic achievement. The nature of industrial education allows the student to explore areas of interest and various occupations. Vocational interests are explored and strengthened through metals, welding, woods, construction, and Computer Aided Drawing (CAD). Industrial Technology combines and applies concepts learned in math, science, art, and English. The work is hands-on and requires complex problem solving with regard to working safely.

Industrial Tech ***Materials fee $10***

Grades: 9, 10 1st or 2nd sem. .5 credit

This is an introductory hands-on course related to the occupations of Industrial Technology. Instruction includes; safety, measurement, drafting/CAD, woodworking with hand and power tools, CNC router and plasma cutter, metals, welding, and sheet metal. Upon course completion, students will understand basic safe shop use and basic machinery associated with metals, woods, and CAD.

Woods I ***Materials Fee $40***

Grades: 10, 11, 12 1 year 1 credit

This course requires students to establish safety protocols in the woodshop. Students will design and make wood projects using power tools and Computer Numerically Controlled (CNC) machines. Each project develops new skills and techniques in woodworking/construction. Students are required to read plans for every project they make. Some projects the student will draw in CAD prior to construction. Upon course completion, students will be able to design and fabricate basic furniture, with an array of joinery types, and be ready to explore the fundamentals of construction. The class fee goes towards safety attire, project materials, and consumable items such as fasteners, adhesives, saw blades…etc.

Woods II ***Materials Fee $40***

Grades: 11, 12 1 year 1 credit
Prerequisite: Woods I

This class will build on the skills learned in Woods I. In this class students will learn advanced woodworking skills. The focus of this class will be a class project that will require the students to work together to complete. Students will also build individual projects focusing on advancing skills and challenging knowledge. Students will need to read plans and calculate materials. The class fee goes towards safety attire, project materials, and consumable items such as fasteners, adhesives, saw blades...etc.

House Construction **FVCC Dual credit (CSTN 135)** ***Materials Fee: $40.00***

Grades: 11 & 12 1 year *2 credits*

Prerequisite: Instructor Approval Only. ****Two period block class***

In this class, you will work in teams to construct a two-bedroom cabin that will be placed in *Glacier National Park* and used for employee housing. This will include the use of all applicable tools and materials required in the construction of a house. All aspects from job site preparation, workplace safety, to building/residential construction will be practiced and evaluated for the student's grade. Your class fee goes towards safety attire and tool bags. Students are required to work outside every day, regardless of weather and wear tool bags every period. This includes proper footwear and winter clothing. Students unprepared for class will not be allowed to work and cannot earn their daily points.

All students enrolled in this class will:

- Demonstrate safe and proper use of hand/power tools (OSHA class required)
- Apply skills necessary for job site preparation, and construction techniques including layout (math), framing, and roofing
- Maintain a clean, safe, and functional jobsite
- Effectively implement framing techniques including floor/joist layout, wall construction/erection, siding, roof work, setting windows and doors, and flooring. In addition, in/outdoor finish work.
- Correctly install roof trusses, sheeting, and roofing materials.
- Install insulation, solar/electrical infrastructure, and plumbing.
- Grades are derived from attendance, participation, and quality of work.

Metals I Welding TheoryFVCC Dual credit (WLDG 110/WLDG111)**** ***Materials fee $40***

Grades: 10, 11, 12 1 year 1 credit

WLDG 110 – Fall - This course is an introduction to welding theory. The fundamentals of welding equipment used in shielded metal arc, gas metal arc, gas tungsten arc, including welding. Basic metallurgy and welding process theory will be incorporated. (2 FVCC credits)

WLDG 111 – Spring - This is an introductory course presenting the safety related to welder PPE (personal protective equipment), weld shop machinery, tool safety, and safe work practices for the welder. Topics include oxy-acetylene safety, equipment set up, operation, practice cutting jobs and brazing; shielded metal arc welding including basic electricity for welders, proper electrode identification and use, types of welds and joint configurations, weld measurement, inspection, practice jobs, destructive tests, and written exams. (3 FVCC credits)

Metals II Fabrication & DesignFVCC Dual credit (WLDG122/WLDG145/COLS115)****
Materials fee $40.00

Grades: 11 & 12 1 year 1 credit

Prerequisite: Metals I

WLDG 122 – Fall - This is an introductory course that presents the care and use related to gas metal arc welding. The course will present various techniques of welding mild and medium in flat, horizontal, vertical, and overhead positions. The mechanical properties of metals and types of joints are discussed in relation to GMAW techniques. (3 FVCC credits)

WLDG 145 – Spring - This course covers basic fabrication techniques as they relate to product manufacturing, maintenance and repair. Topics presented include bending, forming, shearing, punching operations. Emphasis is placed on welding with the FCAW (Dual Shield) method. This course also covers thermal torch cutting (i.e. hand held plasma and oxy-fuel). Students will be able to perform proficiency within these cutting methods and describe the pros and cons of each method. (2 FVCC credits)

COLS 115 – Spring - This course prepares Occupational Trades students to enter the workforce by teaching professionalism necessary for success in their chosen industries. Students create a working resume and cover letter, as well as learn interviewing techniques. Topics covered include networking and communication, time management, and professional appearance. (1 FVCC credit)

Metals III Welding Test Prep **FVCC Dual credit (WLDG146/WLDG185)** ***Materials fee $40***

Grade: 12 1 year 1 credit

Prerequisite: Metals I

WLDG 146 -- Fall - This course builds on the previous fabrication course by reinforcing equipment use and welding capabilities. Assigned welding projects are incorporated into the class. This course requires students to create complete blueprints of the project chosen. Equipment use and welding skills learned from pre-requisite courses will be utilized for this course. (3 FVCC credits)

WLDG 185 – Spring - This course provides welders the opportunity to prepare for, practice, and complete the AWS National Welding Certificate exam to AWS D1.1 code. The training will include flat, horizontal, vertical, and overhead positions of carbon steel. Emphasis is placed on rod selection for various metals, techniques, and exam requirements. Welder testing protocol, WPS review, test material preparation, weld inspection, and destructive testing will be covered. (3 FVCC credits)

Metals III Independent Study

Grade: 12

MANUFACTURING COMPUTER AIDED DESIGN AND DOING

Introduction to CAD **FVCC Dual credit (DDSN 114)**

Grades: 10, 11, 12 fall sem. .5 credit

Students will develop the knowledge and skills to prepare them to analyze and evaluate the processes and methodology required in an industrial production environment to determine if quality control standards are being met. Topics include: use of non-precision measuring tools, use of precision measuring tools, use of comparison gauges, and analysis of measurements in a CNC environment. (3 FVCC credits)

Blueprint Reading and Welding Symbols **FVCC Dual credit (WLDG 117)**

Grades: 10, 11, 12 spring sem. .5 credit

This course presents an introduction to industrial blueprints used in the welding industry. Emphasis will be placed on terminology, weld symbols, weld specifications, dimensions, industry and AWS standards. The course also includes interpretation of plans and drawings used by industry in field applications. Introduces the fundamental concepts necessary to interpret drawings and produce sketches for machine tool applications as applied to Machine Tool Technology. Topics include advanced sectioning, geometric dimensioning, geometric tolerance, and assembly drawings/sketching. Interpretation of specifications and determination of acceptable tolerance requirements to ensure quality control measures for design parts will also be stressed. (3 FVCC credits)

Solidworks **FVCC Dual credit (DDNS135)**

Grades: 11, 12 fall sem. .5 credit

This course presents the fundamental skills and concepts to build parametric model parts and assemblies and make simple drawings of those parts and assemblies. This course is designed as a process-based training approach emphasizing the processes and procedures necessary to complete a particular task. By utilizing case studies to illustrate these processes, the student learns the necessary commands, options, and menus in the context of completing a design task within SOLIDWORKS. An introduction to the transferability and compatibility of SOLIDWORKS, MASTERCAM, GIBSCAM, and Pro-Engineer software is provided. The course also includes an introduction to 3D printing. (3 FVCC credits)

Solidworks II **FVCC Dual credit (DDSN235)**

Grade: 12 spring sem. .5 credit

This course presents the advanced use of new designing techniques and capabilities of solid modeling using the SolidWorks software, including the integration of the advanced parametric modeling and drawing tools for Solid Works. (3 FVCC credits)

SUPPLEMENTARY ACADEMIC OPPORTUNITY SUPPORT

Credit Recovery

Grades: 10, 11, 12 1st or 2nd sem. .5 credit

Credit Recovery is a class offered primarily to upper classmen for the purpose of reclaiming credits in classes they have failed. Approval by an administrator or counselor is required for enrollment. Students interested should consult their counselor. Credit recovery courses are graded on a pass/fail basis. Students must earn a 70% or better to successfully pass the course and receive the associated academic credit. While credit will be awarded upon successful completion, credit recovery courses will not be calculated into a student's GPA.

Digital Learning Lab

Grades: 10, 11, 12 1st or 2nd sem. .5 credit

Prerequisite: Must have completed at least one year of Computer Essentials Foundations or one semester of Computer Essentials. Having Internet access outside of the school day is HIGHLY RECOMMENDED, additional time outside of school hours may be required. If interested in MTDA, see your counselor and complete the required MTDA form. Taking any MTDA courses must be approved by your counselor and administrator. Class fees vary by course and from year to year.

Students may enroll in courses through Montana Digital Academy. This course sign up provides a place and time for students with teacher support to complete on-line course work and better prepare them for college courses. You may sign up for any of the courses offered through MTDA that are not currently offered at Columbia Falls High School (with approval). Some semester courses include Digital Photography, Oceanography, Foreign Languages and some year-long AP courses. Visit ***http://montanadigitalacademy.org*** for *a* complete course catalog or visit with your counselor about the available courses. There are some Dual Credit (counting for both high school and college credit) course offerings as well. ***All Montana Digital Academy (MTDA) courses will be permanently recorded on student transcripts without exception.***

College Credits toward High School Graduation Requirements

Students may earn high school credit for approved college-level courses through FVCC and other accredited colleges. These courses can count toward graduation requirements and a student's required credit load. **All college courses must receive prior administrative approval before enrollment in order to count for high school credit.** Students should meet with their counselor and an administrator before registering for any college coursework and complete the required form. Courses taken without pre-approval may not be accepted. ***Any college-credit or dual enrollment classes used for graduation requirements or credit load will be included on the student transcripts. College fees are the responsibility of the student.***

Learning Strategies and Support

Grades: 9, 10 — 1 year — 1 credit

This class will teach students to understand themselves and their individual learning styles; it will help them explore their own motivational habits, and give them the tools to advocate for themselves and understand what they need to achieve success. This class will guide them in learning to organize their materials, prioritize their time, and devise a plan for their career both in life and high school.

Study Hall

Grades: 9, 10, 11, 12 — 1st or 2nd sem. — No credit

Study Hall is a classroom environment. Students have the opportunity to finish coursework from other classes, receive help from various sources, or utilize their time working in the library or writing lab.

TRAFFIC EDUCATION

Grades: 9, 10, 11, 12 Cost: $300
After or before school **NO Credit**

The program consists of 60 hours of structured learning experiences. There are 6 hours of driving and 6 hours of observation in the Driver's Ed car and 48 hours of classroom work and 1.5 hours *mandatory* parent meeting prior to the start of the course.

The student must complete assigned classroom lessons, meet attendance requirements, complete all drive sessions, and achieve a 74.5% overall average on tests given to receive a passing grade.

The student must be 14 ½ years of age to be eligible to take the class. The student will be issued a Learner's License (LL) upon passing the state written test, either in the classroom or at the Drivers Service exam station.

At the end of the course the student, if he/she has passed, is eligible to complete the licensing process by taking the on-road driving test at the Drivers Service exam station or in the class course, meeting some requirements that will be discussed at the parent meeting. The applicant must meet the state requirement of 15 years of age.

- Signing up for Drivers Ed - Official dates/times will be posted with sign-up sheets in the office approximately two weeks prior to the start of each class.
- Drive group sessions will be arranged by appointment for all days of the week, except Sunday.
- When school is in session, classes will be before/after hours.(1 or 2 hour format)
- When school is not in session, morning classes will be arranged (either a 1 or 2 hour format will be scheduled depending on the needs of the class).
- Students will need to present an original birth certificate (or a certified copy) to be eligible to take the state written test either in the classroom, or at the Drivers Service examination station.

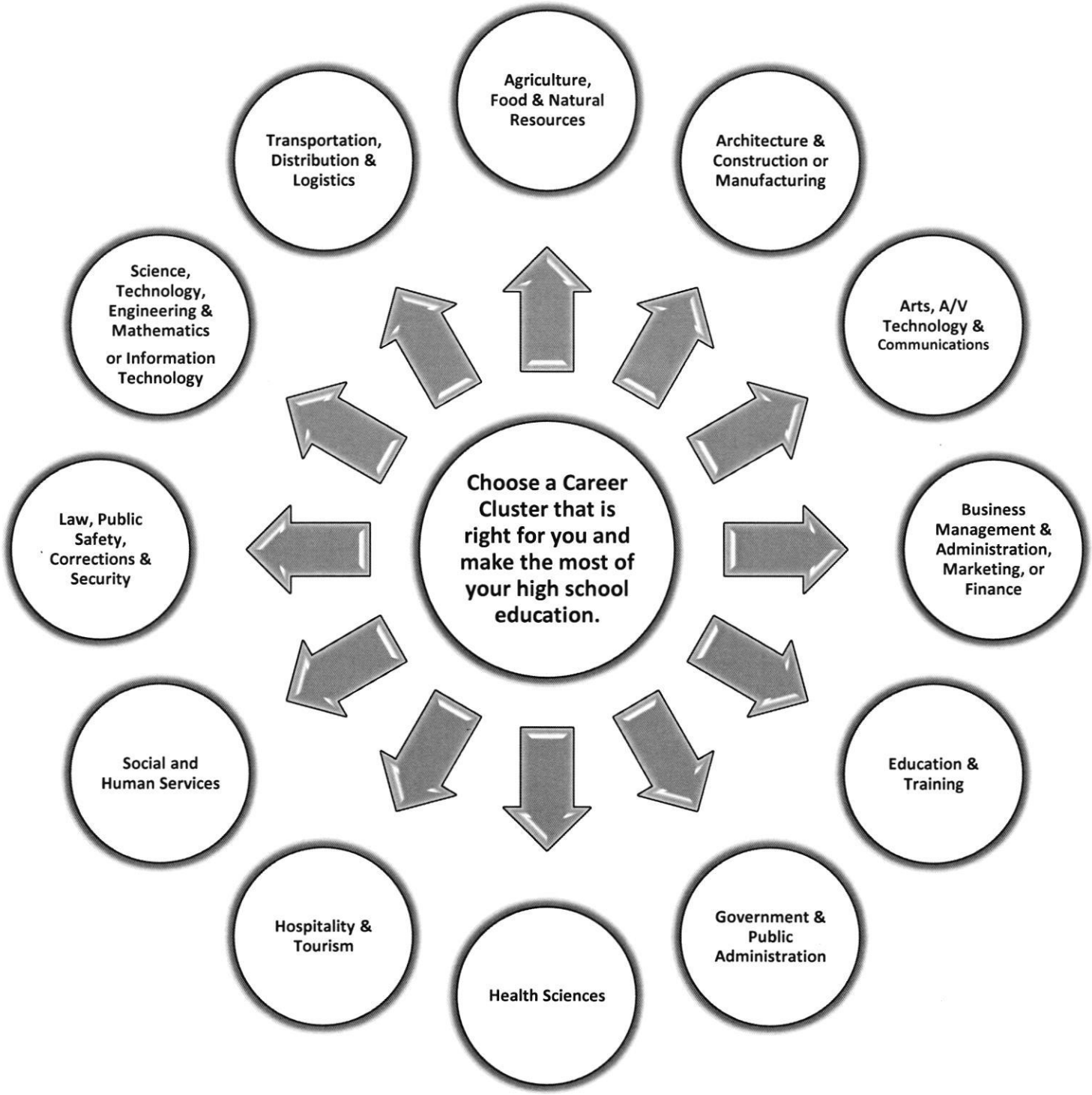
For Early Bird sessions, if a student is enrolled in an Early Bird Class, they will not be able to withdraw from class in order to take Early Bird Drivers Ed.

Course Offering based on availability of instructors.

PATHWAYS TO COLLEGE & CAREER READINESS

Career Clusters®

Choosing the right classes in high school can help prepare you for the next step. The next step may be college, other training, or employment. ***Setting up a 4-year course plan based on a Career Cluster or a combination of clusters is highly recommended.*** The goal is to assist students in gaining the knowledge, skills, and attributes necessary to become capable, caring adults, contributing family members, and effective workers.



PATHWAYS TO COLLEGE & CAREER READINESS

CareerClusters®

Choosing a Career Cluster

The first step is to learn as much as you can about the different career clusters, hopefully identifying one or two that interest you can help guide your education choices. Montana Career Information Systems is a free resource to Montana students that has several tools to help you identify which Career Cluster might be right for you. These options are located under Assessments. Another great resource is www.careertech.org/Career-Clusters.

Login in to Montana Career Information Systems here: http://www.mtcis.intocareers.org

username: columbiafallshs

password: hswildcatd6

You may browse without creating a portfolio, but if you choose to create an account, please do so with the following format for username and password:

Then click on MY PORTFOLIO, then Create My Portfolio.

Example:

USERNAME: school e-mail: j.smith19@cfmtschools.net

PASSWORD: Cfw(lunch#): Cfw12345 **You must capitalize the C only.

Creating a 4-Year Course Plan

Once you have chosen a career cluster or two that interest you, you will find 4-year course plan examples on the following pages to help you create your own individual 4-year course plan. Each semester and each year it is important to revisit and revise this plan based on what has actually taken place. It is also an important time to reevaluate whether your chosen career path and 4-year course plan still interests you or if you need to modify your plan based on a different career plan. This guide is flexible enough to allow students to change from one major category to another throughout much of their high school career or even combine to areas of interest. Be sure to select electives to help you gain as much knowledge and experience in your career cluster(s).

Please also refer to the Montana University System (MUS) Admission Requirements to be sure you are meeting all post-secondary preparation requirements.

COLUMBIA FALLS HIGH SCHOOL

NAME:_____ **CLASS OF:**_____ **ADVISOR:** _____

CAREER PATHWAY:_____

FOUR YEAR COURSE PLANNER

23 credits required to graduate

FRESHMAN YEAR

CLASS		GRADE	CREDIT
1. English 9	sem. 1 sem. 2		
2. Math	sem. 1 sem. 2		
3. Science	sem. 1 sem. 2		
4. Health Enhancement	sem. 1 sem. 2		
Comp. Essen. (1st or 2nd sem. only) 5. Elective (1st or 2nd sem. only) sem. 2	sem. 1		
6.	sem. 1 sem. 2		
7.	sem. 1 sem. 2		
TOTAL CREDITS:			

SOPHOMORE YEAR

CLASS		GRADE	CREDIT
1. English 10	sem. 1 sem. 2		
2. Math	sem. 1 sem. 2		
3. Science	sem. 1 sem. 2		
4. Health Enhancement	sem. 1 sem. 2		
5.	sem. 1 sem. 2		
6.	sem. 1 sem. 2		
7.	sem. 1 sem. 2		
TOTAL CREDITS:			

JUNIOR YEAR

CLASS		GRADE	CREDIT
1. English 11	sem. 1 sem. 2		
2. U.S. History	sem. 1 sem. 2		
3. Math	sem. 1 sem. 2		
4.	sem. 1 sem. 2		
5.	sem. 1 sem. 2		
6.	sem. 1 sem. 2		
7.	sem. 1 sem. 2		
TOTAL CREDITS:			

SENIOR YEAR

CLASS		GRADE	CREDIT
1. English 12	sem. 1 sem. 2		
2. American Gov't.	sem. 1 sem. 2		
3.	sem. 1 sem. 2		
4.	sem. 1 sem. 2		
5.	sem. 1 sem. 2		
6.	sem. 1 sem. 2		
7.	sem. 1 sem. 2		
TOTAL CREDITS:			

REQUIRED COURSES: fill in as you receive credit (1/2 square = 1 semester)

ENGLISH ▨ ▨ ▨ ▨ MATH ▨ ◤◥ US HISTORY ▨ AMERICAN GOV'T. ▨

HEALTH ENHANCEMENT ▨ ▨ FINE ARTS ▨ WORLD LANG./SOC. ST. ▨

VOCATIONAL ARTS ▨◺ COMPUTER ESSENTIALS ◺ SCIENCE ▨ ▨

ELECTIVES ▨ ◤◥ ◤◥ ◤◥ ▨

** FINANCIAL LITERACY _____ **(Advisor Initials) Course options page 2 in the Course Registration Handbook**

(Personal Finance A or B, Accounting I, Intro. To Business, Entrepreneurship, Exploring FCS or Practical Math (1yr)

3/10/2026

Columbia Falls High School Course List (update 2-24-26)

** FVCC Dual Credit Courses

Department	Courses
Art ***FINE ART CREDIT***	Intro to 2-D Art (1st. or 2nd. Sem) Intro to 3-D Art (1st or 2nd. Sem) Ceramics Foundations (1st Sem) Ceramic Studio (2nd Sem) Advanced Ceramics (1st or 2nd sem.) Drawing Elements (1st Sem) Painting Elements (1st Sem) Advance Drawing (2nd Sem) Advance Painting (2nd Sem) Media Arts I – Intro to Film and Video Editing (1st Sem) Media Arts II – Advanced Video & Digital Art - (2nd Sem Printmaking (1st Sem.) Mixed Media & Visual Journaling (2nd. Sem)
Vocational Arts / Business & Information's Systems ***VOCATIONAL ART CREDIT***	Computer Essentials Foundations (Year) Computer Essentials (1st or 2nd Sem) Computer Applications (2nd. Sem) Web Design (2nd Sem) **Personal Finance A (1st Sem) – Meets Financial Lit Req.** **Personal Finance B (2nd. Sem) - Meets Financial Lit Req.** **Accounting I (1st Sem) Meets Financial Lit Req.** Accounting II (2nd Sem) Introduction to Business (1st Sem) - **Meets Financial Lit Req.** Entrepreneurship (2nd. Sem) - **Meets Financial Lit Req.** Marketing & Advertising (1st Sem) Digital Marketing (2nd Sem)
** ***Financial Literacy Req***. (Students must take one of these classes to meet this requirement for graduation)	***Personal Finance A or B, Accounting I, Intro to Business, Entrepreneurship, Exploring FCS or Practical Math (Year)***
English ***ENGLISH CREDIT***	English 9 Honors English 9 English 10 English 11 English 12 **AP CAPSTONE PATHWAY** AP Seminar (Year) 10 grade (formerly Honors English 10) AP Language and Composition (Year) AP Literature and Composition (Year) AP Research (Year) **ENGLISH ELECTIVES** Reading 9 Yearbook & Media Design (Year) Intro to Lit – FVCC Dual Credit* Book Love and Lit (Year)
Family and Consumer Science (FCS) ***VOCATIONAL ART CREDIT***	**Exploring FCS (1st or 2nd Sem) – Meets Financial Lit Req.** Kitchen Cuisine (Year) La Cuisine (Year) Apparel and Design – Independent Study (year) Child Development (Year) Pre-School Co-op - Internship (Year)

World Languages ***WORLD LANGUAGE or*** ***SOCIAL STUDIES CREDIT***	Spanish I Spanish II Spanish III **Spanish 101 & 102 FVCC Dual Credit (1 year) French I French II French III * Taught in same period as French II French IV 101 & 102 FVCC Dual Credit* (1 year)
Health Enhancement ***PE/HEALTH CREDIT***	Health Enhancement 9Girls Health Enhancement 9Boys Health Enhancement 10Girls Health Enhancement 10Boys **HEALTH ELECTIVES** Fitness for Sports (elective) Outdoor Recreation and Lifetime Fitness (elective)
Health Occupations ***VOCATIONAL CREDIT***	Opportunities in Health Professions – (1st Sem) FVCC Dual Credit* Medical Terminology – (2nd Sem)FVCC Dual Credit Human Anatomy & Physiology
Industrial Arts * Materials Fee ***VOCATIONAL CREDIT***	Industrial Tech (1st or 2nd Sem) * Woods I (1 year)* Woods II (1 year)* **House Construction – (1 year) - FVCC Dual Credit* **Metals I Welding Theory – FVCC Dual Credit* **Metals II Fabrication and Design FVCC Dual Credit* **Metals III Welding Test Prep – FVCC Dual Credit* **Intro to CAD (1st Sem.) FVCC Dual Credit* **Blueprint Reading & Welding Sym. (2nd Sem.) - FVCC Dual Credit* **Solidworks – (1st Sem.) - FVCC Dual Credit* **Solidworks II – (2nd. Sem.) – FVCC Dual Credit*
Mathematics ***MATH CREDIT***	Math- IEP students only - **Meets Financial Lit Req.** Pre-Algebra Algebra 1 Geometry Algebra 2 Practical Math (1 year) (**Only 2nd semester– Meets Financial Lit Req.** High School Statistics and Advanced Geometry AP Pre-Calculus AP Calculus **College Math & Statistics (1 year) FVCC Dual Credit*
Music ***FINE ART CREDIT*** *Materials Fee	Percussion Techniques* Concert Band Wind Ensemble Columbians Percussion Ensemble* Troubadours and Cantilena Tres Belles (Soprano/Alto) Columbia Chorale Sonifers **GENERAL MUSIC** Acoustic Guitar Intermediate/Advanced Guitar + Songwriting Electronic Music
Science	Intro to Science – IEP Students Intro to Earth Science – IEP Students

SCIENCE CREDIT	Biology Earth Science Chemistry AP Chemistry AP Biology Physics Zoology (1st Sem) Botany (2nd Sem) Field Ecology (Year) Astronomy (2nd. Sem) Geology of the Flathead (1st. Sem) Human Anatomy and Physiology (1yr) ***Can be a Vocational credit****
Social Studies ***SOCIAL STUDIES CREDIT***	Global Studies (1st Sem) Current Issues (2nd Sem) Modern World History (1 year) Practical Law – Criminal (1st Sem) Practical Law – Civil (2nd Sem) United States History AP United States History Introduction to Psychology (1 year) American Government (1 year) AP American Government & Politics (1 year) Montana History (1st Sem) or (2nd Sem)
Credit Recovery	Purpose of reclaiming credits
Learning Strategies and Support ***ELECTIVE CREDIT***	(1st or 2nd. semester) Individual learning styles
Study Hall	1st Sem, 2nd Sem or Year – non-credit
Miscellaneous	Traffic Education – No Credit – before or after school hours
Montana Digital Academy	<u>For complete listing:</u> **Montanadigitalacademy.org** *** Admin/Counselor approval for registration is required and form must be completed and signed.*

Agriculture, Food and Natural Resource Career Cluster Plan of Study

If you answered yes to two or more of the questions above, you might be interested in considering a career in agriculture, food, and natural resources.

Do you enjoy working with animals?
Do you have a green thumb?
Do you collect rocks?
Are you interested in protecting the environment?
Do you enjoy working outdoors?
Are science classes your favorite?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
Agricultural Engineers Agricultural Products Graders and Sorters Agricultural Scientists Agricultural Worker Supervisors Animal Caretakers Animal Scientists Bakers Commercial Fishers Environmental Engineers/Technicians Farm and Ranch Managers/Workers Farm Equipment Mechanics Farmers and Farm Managers Food Scientists Foresters or Forestry Technicians Hazardous Material Workers Log Graders, Scalers, and Loggers Natural Sciences Managers Nursery Workers Pest Control Workers Recycling and Reclamation Workers Water Treatment Plant Operators Zoologists	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History *(MSU Requirement)* - 1 Electives - 6	**9th**	**10th**	**11th**	**12th**
			Required: English 9/Pre AP Math Biology Health Enhancement Computer Ess	***Required***: English 10/ Pre AP Math Earth Science Health Enhancement	***Required***: English 11/AP U.S. History Math	***Required***: English 12/AP American Gov't
			Electives: SS/FL or Fine Arts Vocational Spanish I Industrial Tech	***Electives***: SS/FL or 2-D Art Intro to Business Entrepreneurship CAD/Woods/Metals Kitchen Cuisine Spanish 2	***Electives***: Geology and Astronomy Personal Finance Drawing Spanish III CAD II/ Metals II Woods I Field Ecology	***Electives***: Science CAD I/Metals II Painting Spanish IV La Cuisine Algebra 2 Pre/AP Calculus Geometry
	Extracurricular	**Clubs**	**Sports**	**Activities**	**MT Digital Academy**	
		FCCLA			Ap Environmental Science Principles of Agriculture Geography	
	Postsecondary	*Gain education, training and work experience to further your career!*	**Community College Majors**	**College/University Majors**	**Other Options**	
			Associates Degree: Environmental Engineering Technicians Farmers and Farm Managers Forestry Technicians	***Bachelor's Degree:*** Agricultural Engineers Ag, Food, and Animal Scientists Environment Engineers Foresters and Zoologists	The amount of education and training required depends on the type of work you will be doing. Some of the jobs in these fields are part time or seasonal.	

Architecture and Construction Career Cluster Plan of Study

If you answered yes to two or more of the questions above, you might be interested in considering a career in architecture and construction.

Do you often observe and note the buildings around you?
Do you like to work with your hands?
Can you visualize objects and projects in your mind?
Do you like to create models or make designs?
Do you like to work with tools, objects, and numbers?
Do you like to use both mental and manual skills to solve problems?
Do you like to work both alone and with others?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
			9th	10th	11th	12th
Architects Bricklayers and Stonemasons Carpenters and Cement Masons Civil Engineers and Commercial Divers Construction Managers and Helpers Cost Estimators and Drafters Drywall Finishers and Installers Electrician Helpers and Electricians Explosives Workers Gas and Oil Drillers Heating and Cooling System Mechanics Highway Maintenance Workers Interior Designers Landscape Architects Landscapers and Groundskeepers Millwrights, Mining Machine Operators Painters, Paving Equipment Operators Plumbers and Pipefitters Riggers and Roustabout Roof Bolters and Roofers Sheet Metal Workers Solar Panel Installers Stationary Engineers Structural Metal Workers Surveying and Mapping Technicians Surveyors	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History *(MSU Requirement)* - 1 Electives - 6	***Required***: English 9/Pre AP Math Biology Health Enhancement Computer Ess ***Electives***: SS/FL or Fine Arts Vocational Industrial Tech Ceramic Found.	***Required***: English 10/ Pre AP Math Earth Science Health Enhancement ***Electives***: SS/FL or Fine Arts Intro to Business Entrepreneurship 2-D Art/3-D Art CAD/Metals/Woods Ceramic Found.	***Required***: English 11/AP U.S. History Math ***Electives***: Science Drawing/Studio CAD II/Metals II Woods II Accounting Personal Finance House Construc.	***Required***: English 12/AP American Gov't ***Electives***: Science Painting/Studio Algebra 2 Pre-Calculus CAD II/Metals III Woods II Geometry House Construction

Extracurricular	Clubs	Sports	Activities	MT Digital Academy
	FCCLA			AP Computer Science Digital Photography Interior Design

Postsecondary		Community College Majors	College/University Majors	Other Options
	Gain education, training and work experience to further your career!	***Associates Degree:*** Construction Managers Drafters Interior Designers Heating and Cooling Systems Mechanics	***Bachelor's Degree:*** Architects Civil Engineers Cost Estimators Landscape Architects Surveyors	The amount of education and training required depends on the type of work you will be doing. Some of the jobs in these fields are part time or seasonal.

Arts, A/V Technology & Communications Career Cluster Plan of Study



If you answered yes to two or more of the questions above, you might be interested in considering a career in arts, audio/visual technology & communications.

Do you like to perform in front of an audience?
Are you interested in working in the movies or television?
Do you like to work with technology?
Is artistic expression important to you?
Are you active with the school or community theatre?
Does computer animation interest you?
Are you visually oriented?

Career Options

Actors
Agents and Business Managers
Animators and Multimedia Artists
Announcers and Art Directors
Broadcast and Camera Technicians
Cartoonists and Choreographers
Communications Equipment Mechanics
Costume and Wardrobe Specialists
Fashion and Floral Designers
Film and Video Editors
Fine Artists
Graphic and Industrial Designers
Music Composer and Arrangers
Musicians, Dancers and Singers
News Reporters
Page Layout Workers and Proofreaders
Photographers
Printing Press Operators
Producers and Directors
Professional Bloggers and Podcasters
Professional Makeup Artists
Set and Exhibit Designers
Sketch Artists
Sound Engineering Technicians
Video Game Designers and Testers
Writers, Technical Writers and Editors

Education Level: High School

Required Credits for Graduation

English – 4
Mathematics – 3
Science (Biology & Integrated Science) – 2
Health Enhancement – 2
Social Studies or World Language (SS/FL) – 2
U.S. History – 1
American Government – 1
Fine Arts (Art, Music) – 1
Vocation Arts/Technology Education -1.5
(Business/Technology Education, Industrial Tech, Family& Consumer Science)
Computer Essentials - .5
Modern World History *(MSU Requirement)* - 1

Electives - 6

Area of Focus

9th

Required:
English 9/Pre AP
Math
Biology
Health Enhancement
Computer Ess

Electives:
SS/FL
Web Design
Band/Choir
Drawing
Fabric & Apparel

10th

Required:
English 10/ Pre AP
Math
Earth Science
Health Enhancement

Electives:
SS/FL
Band/Choir
2-D Art/3-D Art
Fashion Design
Textiles & Clothing

11th

Required:
English 11/AP
U.S. History
Math

Electives:
Science
Band/Choir
Paint/Ceramics
2-D Art/3-D Art
Kitchen Cuisine
CAD
Interior Design
Electronic Music
Personal Finance

12th

Required:
English 12/AP
American Gov't

Electives:
Band/Choir
Painting/
Ceramics
2-D Art/3-D Art
La Cuisine
Algebra 2
CAD
Yearbook
Adv Guitar

Extracurricular

Clubs	Sports	Activities	MT Digital Academy
Drama Speech and Debate Art Club		Sonifers or Columbians (Class) Jazz Factory Pep Band	Digital Photography Fashion and Interior Design Sports/Ent. Marketing Art History/ Photoshop Music Appreciation

Postsecondary

Gain education, training and work experience to further your career!

Community College Majors

Associates Degree:
Broadcast Technicians
Communication Equipment Mechanics
Fashion Designer

College/University Majors

Bachelor's Degree:
Animators and Multimedia Artist
Graphic Designers
Set and Exhibit Designers
Video Game Designers
Writers

College/University Majors

Music Technology
Music Composition
Music Theory
Music Education

Business, Management, and Administrations Career Cluster Plan of Study

If you answered yes to two or more of the questions above, you might be interested in considering a career in business, management, and administrations.

Do you enjoy working with other people?
Are you good at working with numbers?
Do you like to plan and organize activities?
Have you started your own business?
Do you keep your checkbook balanced?
Are you an officer of an organization?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
			9th	10th	11th	12th
Administrative Services Managers Bookkeeping and Accounting Clerks Business Executives Computer and Information Systems Computer Operators Customer Service Representatives Employee Training Specialists Executive Secretaries General and Operations Managers General Office Clerks Geothermal Production Managers Human Resources Assistants Human Resources Managers/Specialists Hydroelectric Production Managers Industrial Production Managers Job Benefits and Analysis Specialists Library Assistants Mail Carriers and Clerks Meeting and Convention Planners Office Managers Operations Research Analysts Payroll and Timekeeping Clerks Purchasing Managers Receptionists and Secretaries Shipping and Receiving Clerks Wind Energy Operations Managers	**High School**	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History *(MSU Requirement)* - 1 Electives - 6	***Required***: English 9/Pre AP Math Biology Health Enhancement Computer Essentials ***Electives***: SS/FL or Fine Arts Web Design Industrial Tech	***Required***: English 10/ Pre AP Math Earth Science Health Enhancement ***Electives***: SS/FL or Fine Arts Intro to Business Entrepreneurship Accounting I-II CAD	***Required***: English 11/AP U.S. History Math ***Electives***: Science Psychology Accounting I-II Media Lit Philosophy Spanish III Intro to CAD Personal Finance	***Required***: English 12/AP American Gov't ***Electives***: Science Psychology Accounting I-II Algebra 2 Pre-Calculus Intro to CAD Yearbook Global Studies/ Current Events

Extracurricular	Clubs	Sports	Activities	MT Digital Academy
	Speech and Debate Student Council	Sports Team Managers		Sports and Entertainment Marketing AP Macroeconomics AP Computer Science Journalism

Postsecondary		Community College Majors	College/University Majors	Other Options
	Gain education, training and work experience to further your career!	***Associates Degree:*** General and Operations Managers Sustainability Specialist	***Bachelor's Degree:*** Human Resources Specialists Computer Information Systems Manager Meeting and Convention Planners	The amount of education and training required depends on the type of work you will be doing.

Education and Training
Career Cluster Plan of Study

If you answered yes to two or more of the questions above, you might be interested in considering a career in education and training.

Are you patient?
Have you coached sports activities?
Do you like to speak in front of groups?
Have you helped out in a school or library?
Do you enjoy teaching games to children?
Are you outgoing?
Do you like being in school?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
			9th	10th	11th	12th
Adult and Vocational Education Teachers Archivists Coaches and Scouts College and University Administrators Curators Education Administrators Elementary School Teachers Farm and Home Management Advisors High School Teachers Instructional Coordinators Interpreters and Translators Librarians Library Technical Assistants Middle School Teachers Museum Technicians and Conservators Preschool and Kindergarten Teachers School Counselors Special Education Teachers Teacher Aides University and College Teachers	**High School**	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History *(MSU Requirement)* - 1 Electives - 6	***Required***: English 9/Pre AP Math Biology Health Enhancement Computer Ess ***Electives***: SS/FL Vocational Band/Choir 2-D Art/3-D Art Industrial Tech	***Required***: English 10/ Pre AP Math Earth Science Health Enhancement ***Electives***: SS/FL Band/Choir 2-D Art/3-D Art CAD/Metals/Woods Intro to Business Entrepreneurship	***Required***: English 11/AP U.S. History Math ***Electives***: Science Psychology Drawing/Studio CAD II/Metals II Woods II FCS Health Prof. Medical Term. Accounting I-II	***Required***: English 12/AP American Gov't ***Electives***: Psychology Painting/Studio Math CAD II/Metals III Woods II FCS Health Prof. Accounting I-II

Extracurricular	Clubs	Sports	Activities	MT Digital Academy
	Model UN Speech and Debate HOSA	Athletics for Coaches and Health Educators Sports Team Managers	Teacher's Aide Office Aide Band/Choir for Music Ed, etc.	AP Psychology Mythology and Folklore Creative Writing Foreign Languages

Postsecondary		Community College Majors	College/University Majors	Educational Majors
	Gain education, training and work experience to further your career!	***Associates Degree:*** Library Technical Assistant Preschool Teacher	***Bachelor's Degree:*** Adult and Vocational Teachers High/Middle School Teacher Elementary Teacher Special Education Teacher Museum Technicians	**For vocational arts, fine arts, foreign language, or health education take as many electives as possible for that content. This would also apply to all academic areas. **

Finance
Career Cluster Plan of Study



Are you the treasurer of a club or organization?
Do you enjoy working with numbers?
Do you balance your checkbook?
Are you interested in the stock market?
Do you like to operate calculators?
Are you comfortable following detailed plans for work?

If you answered yes to two or more of the questions above, you might be interested in considering a career in finance.

Career Options

- Accountants and Auditors
- Actuaries
- Bank Tellers
- Bill and Account Collectors
- Brokerage Clerks
- Budget Analysts
- Credit Analysts
- Credit Checkers and Authorizers
- Financial Analysts
- Financial Counselors
- Financial Managers
- Forensic Accountants (Emerging)
- Insurance Adjusters and Examiners
- Insurance Agents
- Insurance Policy and Claims Clerks
- Insurance Underwriters
- Loan Clerks
- Loan Officers
- Securities Salespeople
- Tax Preparers

Education Level

High School

Required Credits for Graduation

English – 4
Mathematics – 3
Science (Biology & Integrated Science) – 2
Health Enhancement – 2
Social Studies or World Language (SS/FL) – 2
U.S. History – 1
American Government – 1
Fine Arts (Art, Music) – 1
Vocation Arts/Technology Education -1.5
(Business/Technology Education, Industrial Tech, Family& Consumer Science)
Computer Essentials - .5
Modern World History *(MSU Requirement)* - 1

Electives - 6

Area of Focus

9th	10th	11th	12th
Required: English 9/Pre AP Math Biology Health Enhancement Computer Essentials	***Required***: English 10/ Pre AP Math Earth Science Health Enhancement	***Required***: English 11/AP U.S. History Math	***Required***: English 12/AP American Gov't
Electives: SS/FL or Fine Arts Web Design	***Electives***: SS/FL or Fine Arts Accounting I-II Intro to Business Entrepreneurship	***Electives***: Science Accounting I-II Yearbook Statistics Personal Finance	***Electives***: Science Accounting I-II Algebra 2 Pre-Calculus Yearbook

Extracurricular

Clubs	Sports	Activities	MT Digital Academy
Model UN			AP Computer Science AP Macroeconomics Sports & Entertainment Marketing Contemporary Math

Postsecondary

Gain education, training and work experience to further your career!

Community College Majors	College/University Majors	Other Options
Associates Degree: Insurance Agents Tax Preparers Insurance Adjusters and Examiners	***Bachelor's Degree:*** Accountants and Auditors Credit and Financial Analysts Loan Officers Financial Counselors	The amount of education and training required depends on the type of work you will be doing.

Government and Public Administration Career Cluster Plan of Study

If you answered yes to two or more of the questions above, you might be interested in considering a career in government and public administration.

Have you served as an officer of a club or organization?
Do you like to plan and organize activities?
Are you interested in politics?
Would you like to work in another country?
Are rules and laws important to you?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
			9th	10th	11th	12th
Agricultural Inspectors Appraisers and Assessors Compliance Officers and Inspectors Construction and Building Inspectors Coroners Court Clerks Emergency Management Specialists Financial Examiners Foreign Service Officers (Emerging) Government Benefits Interviewers License Clerks Occupational Health and Safety Specialists Postmasters and Mail Superintendents Regulatory Affairs Specialists Statistical Clerks Tax Examiners Transportation Inspectors Transportation Security Screeners Urban and Regional Planners	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History *(MSU Requirement)* - 1 Electives - 6	***Required***: English 9/Pre AP Math Biology Health Enhancement Computer Essentials ***Electives***: SS/FL or Fine Arts Vocational Global Studies Current Issues	***Required***: English 10/ Pre AP Math Earth Science Health Enhancement ***Electives***: SS/FL or Fine Arts Vocational Prac. Street Law I-II Modern World History Global Studies Current Issues	***Required***: English 11/AP U.S. History Math ***Electives***: Science Psychology Accounting I-II Personal Finance	***Required***: English 12/AP American Gov't ***Electives***: Science Algebra 2 Psychology MT History Geometry Statistics

	Clubs	Sports	Activities	MT Digital Academy
Extracurricular	Model UN Speech and Debate Student Council Conservation Club		Math Beyond Classroom	Criminology Latin I/II Journalism

		Community College Majors	College/University Majors	Other Options
Postsecondary	*Gain education, training and work experience to further your career!*	***Associates Degree:*** Government Benefits Interviewers	***Bachelor's Degree:*** Agricultural Inspectors Appraisers and Assessors Compliance Officers/Inspectors Occupational Health and Safety Specialists	The amount of education and training required depends on the type of work you will be doing.

Health Science
Career Cluster Plan of Study

Are science classes your favorite?
Do you enjoy helping people?
Have you served as a volunteer in a hospital?
Do you follow instructions exactly?
Can you work fast in an emergency?
Do you take good notes in class?

If you answered yes to two or more of the questions above, you might be interested in considering a career in health science.

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
			9th	10th	11th	12th
Acupuncturists Allergists and Immunologists Anesthesiologists Athletic Trainers Cardiovascular Technologists Chiropractors Dentists, Assistants and Hygienists Dermatologists Dietitians and Dietetic Technicians Family and General Practitioners Health Services Administrators Licensed Practical Nurses Medical Assistants, Scientists Medical Secretaries, Sonographers Medical Transcriptionists Nurse Practitioners and Assistants Obstetricians and Gynecologists Occupational Therapists Opticians and Optometrists Pediatricians Pharmacists, Aides and Technicians Physical Therapists, Assistants, Aides Physician Assistants Psychiatrists Radiologists and Radiation Therapists Registered Nurses Respiratory Therapists Speech Pathologists and Audiologists Surgeons and Surgical Technologists Veterinarians and Assistants	**High School**	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History *(MSU Requirement)* - 1 Electives - 6	***Required***: English 9/Pre AP Math Biology Health Enhancement Computer Essentials ***Electives***: SS/FL or Fine Arts Web Design Industrial Tech Exploring FCS	***Required***: English 10/ Pre AP Math Earth Science Health Enhancement ***Electives***: SS/FL or Fine Arts Vocational Zoo/Botany Woods I-II Child Development	***Required***: English 11/AP U.S. History Math ***Electives***: Science Psychology Zoo/Botany Health Occupations Medical Term. Pre-School Co-op Personal Finance Chemistry	***Required***: English 12/AP American Gov't ***Electives***: Anat./Physiology Psychology Math Health Occupations Medical Term. AP Biology AP Chemistry

Extracurricular	Clubs	Sports	Activities	MT Digital Academy
	HOSA Conservation Club	Athletics		Anatomy Public Health

Postsecondary		Community College Majors	College/University Majors	College/University Masters/Professional
	Gain education, training and work experience to further your career!	***Associates Degree:*** Dental Hygienists Medical Lab Technicians Registered Nurses Veterinary Technologists and Technicians	***Bachelor's Degree:*** Athletic Trainer Dietitians Health Services Administrators Medical Laboratory Technologists	Nurse Practitioners Pharmacists Chiropractors Dentists Family and General Practitioner Surgeons and Veterinarians

Hospitality and Tourism
Career Cluster Plan of Study

If you answered yes to two or more of the questions above, you might be interested in considering a career in hospitality and tourism.

Can you talk easily with all kinds of people and put them at ease?
Do you participate in athletic activities?
Do you enjoy travel?
Have you worked in a restaurant?
Do you like to plan family recreational activities?
Do you like to cook?

Career Options

Animal Trainers
Baggage Porters and Bellhops
Bartenders and Buspersons
Casino Gaming Workers
Caterers (Emerging)
Chefs and Dinner Cooks
Concierges
Counter Attendants
Fast Food Cooks
Food Preparation Workers
Food Service Worker Supervisors
Hotel and Motel Managers
Hotel Desk Clerks
Janitor and Housekeeper Supervisors
Janitors and Kitchen Helpers
Maids and Housekeepers
Movie Projectionists
Professional Athletes
Recreation Attendants
Recreation Guides and Workers
Reservation and Ticket Agents
Restaurant Hosts and Managers
Short-Order Cooks
Tour Guides and Agents
Umpires and Referees
Waiters and Waitresses

Education Level

High School

Required Credits for Graduation

English – 4
Mathematics – 3
Science (Biology & Integrated Science) – 2
Health Enhancement – 2
Social Studies or World Language (SS/FL) – 2
U.S. History – 1
American Government – 1
Fine Arts (Art, Music) – 1
Vocation Arts/Technology Education -1.5
(Business/Technology Education, Industrial Tech, Family& Consumer Science)
Computer Essentials - .5
World History *(MSU Requirement)* - 1

Electives - 6

Area of Focus

9th	10th	11th	12th
Required: English 9/Pre AP Math Biology Health Enhancement Computer Essentials	***Required***: English 10/ Pre AP Math Earth Science Health Enhancement	***Required***: English 11/AP U.S. History Math	***Required***: English 12/AP American Gov't
Electives: SS/FL or Fine Arts/ Vocational Web Design	***Electives***: SS/FL or Fine Arts Vocational Intro to Business Entrepreneurship	***Electives***: Science Psychology Spanish III Kitchen Cuisine Accounting I-II Personal Finance	***Electives***: Science Psychology La Cuisine Algebra 2 Street Law I-II Accounting I-II

Extracurricular

Clubs	Sports	Activities	MT Digital Academy
Key Club			Digital Photography AP Psychology AP Computer Science Fashion and Interior Design Hospitality & Tourism Mkgt.

Postsecondary

Gain education, training and work experience to further your career!

Community College Majors	College/University Majors	Other Options
Associates Degree: Chefs Food Service Worker Supervisors Tour Guides Travel Agents	***Bachelor's Degree:*** Recreation Worker Hotel and Motel Managers Restaurant Managers	The amount of education and training required depends on the type of work you will be doing. Some of the jobs in these fields are part time or seasonal.

Human Services
Career Cluster Plan of Study

If you answered yes to two or more of the questions above, you might be interested in considering a career in human services.

Do you help friends with their personal problems?
Have you planned programs for school or community organizations?
Are you a good listener?
Do you care about people and want to help in some way?
Have you cared for children or done babysitting?
Do you like to help friends and family members look their best?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
			9th	10th	11th	12th
Addictions Counselors Barbers Child Care Workers Community Health Workers Credit Counselors Fitness Trainers/Aerobics Instructors Funeral Directors and Managers Hairstylists and Cosmetologists Manicurists Marriage and Family Therapists Massage Therapists Mental Health Counselors Personal and Home Care Aides Professional Organizers (Emerging) Psychologists Rehabilitation Counselors Residential Counselors School Psychologists Skin Care Specialists Social and Community Service Managers Social and Human Service Assistants Social Workers Tailors Tattoo Artists Wedding Planners	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History *(MSU Requirement)* - 1 Electives - 6	***Required***: English 9/Pre AP Math Biology Health Enhancement Computer Essentials ***Electives***: SS/FL Web Design 2-D Art/3-D Art Exploring FCS	***Required***: English 10/ Pre AP Math Earth Science Health Enhancement ***Electives***: SS/FL Vocational Drawing/Studio Kitchen/La Cuisine Fashion & Apparel Apparel & Design Ceramics	***Required***: English 11/AP U.S. History Math ***Electives***: Science Psychology Painting/Studio Pre-school Co-op World History Entrepreneurship Personal Finance	***Required***: English 12/AP American Gov't ***Electives***: Science Psychology Algebra 2 Accounting I-II

	Clubs	Sports	Activities	MT Digital Academy
Extracurricular	FCCLA HOSA Art Club			AP Psychology Digital Photography Mythology & Folklore

		Community College Majors	College/University Majors	Vocational Training
Postsecondary	*Gain education, training and work experience to further your career!*	***Associates Degree:*** Funeral Directors and Managers	***Bachelor's Degree:*** Social Worker Social and Community Service Managers Credit Counselors	Hairstylists and Cosmetologists Manicurist Message Therapists Skin Care Specialists

Information Technology
Career Cluster Plan of Study



Do you enjoy working with computers?
Have you created your own webpage?
Is mathematics a favorite subject?
Are you organized and able to focus on details?
Do you learn new computer programs quickly?

If you answered yes to two or more of the questions above, you might be interested in considering a career in information technology.

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
			9th	**10th**	**11th**	**12th**
Computer Engineers Computer Programmers Computer Systems Administrators Computer System Analysts Computer User Support Specialists Database Administrators Information Security Analysts Web Developers	**High School**	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History *(MSU Requirement)* - 1 Electives - 6	***Required***: English 9/Pre AP Math Biology Health Enhancement Computer Essentials ***Electives***: SS/FL Web Design 2-D Art/3-D Art Industrial Tech	***Required***: English 10/ Pre AP Math Earth Science Health Enhancement ***Electives***: SS/FL Intro to Business Entrepreneurship 2-D Art/3-D Art CAD I	***Required***: English 11/AP U.S. History Math ***Electives***: Science Drawing/Studio CAD II Personal Finance	***Required***: English 12/AP American Gov't ***Electives***: Science Algebra 2 Pre/AP Calculus CAD II Health Prof. Medical Term. Yearbook Accounting I-II

	Clubs	Sports	Activities	MT Digital Academy
Extracurricular				AP Computer Science Digital Photography

		Community College Majors	College/University Majors	Other Options
Postsecondary	*Gain education, training and work experience to further your career!*	***Associates Degree:*** Computer User Support Specialists	***Bachelor's Degree:*** Computer Engineers Computer Programmers Information Security Analysts Computer Systems Administrators Web Developers	The amount of education and training required depends on the type of work you will be doing.

Law, Public Safety, Corrections and Security Career Cluster Plan of Study



If you answered yes to two or more of the questions above, you might be interested in considering a career in law, public safety, corrections and security.

Are you able to work under pressure?
Can you work with various kinds of people?
Do you like to help people?
Can you work in the face of danger?
Are you good at winning arguments?
Do you instruct friends and family members on laws and regulations?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
			9th	10th	11th	12th
Animal Control Workers Bailiffs Border Patrol Agents (Emerging) Corrections Officers Court Reporters Detectives and Investigators Emergency Medical Technicians Fire Fighters Fire Inspectors and Investigators Fish and Game Wardens Forensic Science Technicians Judges and Hearing Officers Lawyers and Law Clerks Legal Secretaries and Paralegals Life Guards and Ski Patrollers Military Enlisted Personnel and Officers Parking Enforcement Officers Police and Detective Supervisors Police Patrol Officers Private Detectives and Investigators Probation Officers and Security Guards Sanitarians Secret Service Agents (Emerging) Sheriffs Title Examiners and Searchers	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History *(MSU Requirement)* - 1 Electives - 6	***Required***: English 9/Pre AP Math Biology Health Enhancement Computer Essentials ***Electives***: SS/FL or Fine Arts Vocational Global Studies Current Issues	***Required***: English 10/ Pre AP Math Earth Science Health Enhancement ***Electives***: SS/FL or Fine Arts Vocational Kitchen Cuisine Modern World History Street Law I-II	***Required***: English 11/AP U.S. History Math ***Electives***: Science Psychology Spanish III MT History Personal Finance	***Required***: English 12/AP American Gov't ***Electives***: Science Psychology La Cuisine Algebra 2 Accounting I-II

Extracurricular	Clubs	Sports	Activities	MT Digital Academy
	Speech and Debate Model UN Conservation Club			Criminology AP Psychology

Postsecondary		Community College Majors	College/University Majors	Work Experience and Training
	Gain education, training and work experience to further your career!	***Associates Degree:*** Fish and Game Wardens Paralegals	***Bachelor's Degree:*** Forensic Science Technicians Law Clerks Probation Officers	Fire Inspectors and Investigators Police and Detective Supervisors Detectives and Investigators

Manufacturing
Career Cluster Plan of Study

Are you good with working with your hands?
Can you explain to others how a machine works?
Do you set up and repair stereo equipment for yourself or friends?
Do you enjoy reading the latest developments in electronics?
Can you visualize how a machine works?

If you answered yes to two or more of the questions above, you might be interested in considering a career in manufacturing

Career Options

- Airplane Assemblers
- Appliance Installers and Repairers
- Cabinetmakers
- Camera and Photographic Equipment
- Chemical Plant Operators
- Computer, ATM, and Office Machine
- Gas and Oil Plant Operators
- Home Electronic Repairers
- Industrial Electronics Repairers
- Jewelers
- Lumber Production Workers
- Machinists
- Manufacturing Production Technicians
- Medical Equipment Repairers
- Musical Instrument Repairers/Tuners
- Pulp and Paper Workers
- Quality Control Inspectors
- Sawing Machine Operators
- Security/Fire Alarm Systems Installers
- Small Engine Mechanics
- Textile Machine Operators
- Tire Building Machine Operators
- Tool and Die Makers
- Welders and Solderers
- Wind Turbine Technicians
- Woodworking Machine Operators

Education Level

High School

Required Credits for Graduation

English – 4
Mathematics – 3
Science (Biology & Integrated Science) – 2
Health Enhancement – 2
Social Studies or World Language (SS/FL) – 2
U.S. History – 1
American Government – 1
Fine Arts (Art, Music) – 1
Vocation Arts/Technology Education -1.5
(Business/Technology Education, Industrial Tech, Family& Consumer Science)
Computer Essentials - .5
Modern World History *(MSU Requirement)* - 1

Electives - 6

Area of Focus

9th	10th	11th	12th
Required: English 9/Pre AP Math Biology Health Enhancement Computer Essentials	***Required***: English 10/ Pre AP Math Earth Science Health Enhancement	***Required***: English 11/AP U.S. History Math	***Required***: English 12/AP American Gov't
Electives: SS/FL or Fine Arts Web Design 2-D Art/3-D Art Industrial Tech	***Electives***: SS/FL or Fine Arts Intro to Business Entrepreneurship 2-D Art/3-D Art CAD/Metals/Woods	***Electives***: Science Drawing/Studio CAD II/Metals II Accounting I-II Personal Finance	***Electives***: Science Painting/Studio Algebra 2 CAD II/Metals III Woods II Statistics

Extracurricular

Clubs	Sports	Activities	MT Digital Academy
			A Computer Science

Postsecondary

Gain education, training and work experience to further your career!

Vocational Training

Electric Motor Repairers
Home Electronic Repair
Manufacturing Production Technicians
Welders and Solderers

Community College Majors

Associates Degree:
Camera and Photographic Equipment Repairs
Medical Equipment Repairs
Semiconductor Processing Operators

Other Options

The amount of education and training required depends on the type of work you will be doing.

Marketing
Career Cluster Plan of Study



Do you sell advertising space for the school yearbook or newspaper?
Do you like to do public speaking or debating?
Are you good at organizing your own time?
Have you helped convince people to participate in an activity?
Are you friendly and outgoing?

If you answered yes to two or more of the questions above, you might be interested in considering a career in marketing.

Career Options

- Advertising Managers
- Advertising Salespeople
- Buyers and Purchasing Agents
- Cashiers
- Counter and Rental Clerks
- Demonstrators and Promoters
- Market Research Analysts
- Marketing Managers
- Merchandise Displayers
- Models
- Parts Salespeople
- Property and Real Estate Managers
- Public Relations Managers
- Public Relations Specialists
- Real Estate Agents
- Retail Salespeople
- Route Salespeople
- Sales Managers
- Sales Representatives
- Sales Worker Supervisors
- Telemarketers

Education Level: High School

Required Credits for Graduation

English – 4
Mathematics – 3
Science (Biology & Integrated Science) – 2
Health Enhancement – 2
Social Studies or World Language (SS/FL) – 2
U.S. History – 1
American Government – 1
Fine Arts (Art, Music) – 1
Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science)
Computer Essentials - .5
Modern World History *(MSU Requirement)* - 1

Electives - 6

Area of Focus

9th	10th	11th	12th
Required: English 9/Pre AP Math Biology Health Enhancement Computer Essentials	***Required***: English 10/ Pre AP Math Earth Science Health Enhancement	***Required***: English 11/AP U.S. History Math	***Required***: English 12/AP American Gov't
Electives: SS/FL or Fine Arts Web Design	***Electives***: SS/FL or Fine Arts Intro to Business Entrepreneurship	***Electives***: Science Psychology Yearbook Personal Finance	***Electives***: Science Psychology Yearbook Accounting I-II Algebra 2 Statistics

Extracurricular

Clubs	Sports	Activities	MT Digital Academy
Speech and Debate FCCLA			AP Psychology Digital Photography Hospitality & Tourism Marketing Sports & Entertaining Mktg.

Postsecondary

Gain education, training and work experience to further your career!

Community College Majors	College/University Majors	Other Options
Associates Degree: Real Estate Agents Buyers and Purchasing Agents	***Bachelor's Degree:*** Public Relations Analysts Sales Representative/Manager Advertising Manager Market Manager	The amount of education and training required depends on the type of work you will be doing.

Science, Technology, Engineering & Mathematics Career Cluster Plan of Study

Is science one of your favorite subjects?
Do you prepare projects for science fairs?
Do you enjoy reading science magazines?
Are you detail-oriented?
Do you want to know how things work?

If you answered yes to two or more of the questions above, you might be interested in considering a career in science, technology, engineering, and mathematics.

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
			9th	10th	11th	12th
Aerospace Engineers Anthropologists Archeologists Biologists Chemists and Chemical Engineers Conservation Scientists Economists Electrical and Electronics Engineers Electronics Engineering Technologists Environmental Scientists Geologists and Geophysicists Historians Manufacturing Engineers Marine Biologists (Emerging) Mathematicians Mechanical and Mining Engineers Meteorologists Nuclear and Petroleum Engineers Park Naturalists Physicists Political Scientists Robotics Engineers Safety Engineers Sociologists Statisticians Wind Energy Engineers	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History *(MSU Requirement)* - 1 Electives - 6	***Required***: English 9/Pre AP Math Biology Health Enhancement Computer Ess ***Electives***: SS/FL or Fine Arts Web Design Industrial Tech	***Required***: English 10/ Pre AP Math Earth Science Health Enhancement ***Electives***: SS/FL or Fine Arts Vocational CAD/Metals/Woods	***Required***: English 11/AP U.S. History Math ***Electives***: Science CAD I/Metals II Woods II Algebra 2 Field Ecology Personal Finance	***Required***: English 12/AP American Gov't ***Electives***: Science Pre/AP Calculus College Math/Statistics CAD I/Metals III Woods I

Extracurricular	Clubs	Sports	Activities	MT Digital Academy
				AP Computer Science AP Psychology Anatomy Oceanography

Postsecondary		Community College Majors	College/University Majors	College/University Majors
	Gain education, training and work experience to further your career!	***Associates Degree:*** Electronics Engineering Tech Engineering Technicians Manufacturing Engineer Tech Science Technicians	***Bachelor's Degree:*** Chemical Engineers Climate Change Analysts Energy Engineer Fuel Cell Engineering	***Bachelor's Degree:*** Industrial/Mechanical Engineer Meteorologists Park Naturalists Safety Engineers

Transportation, Distribution, & Logistics Career Cluster Plan of Study



If you answered yes to two or more of the questions above, you might be interested in considering a career in transportation, distribution, and logistics.

Would you enjoy working outdoors in all kinds of weather?
Do you have good eyesight and quick reflexes?
Can you estimate distances accurately?
Do you drive trucks or tractors to do work on a farm?
Would you like to learn to fly an airplane?
Do you repair your or your family's and friends' vehicles?
Do you like to read automotive or mechanical magazines?

Career Options	Education Level	Required Credits for Graduation	Area of Focus			
			9th	10th	11th	12th
Air Traffic Controllers Aircraft Mechanics Airplane Pilots Ambulance Drivers Auto Body Repairers Automobile Mechanics Bicycle Repairers Billing Clerks Couriers and Messengers Dispatchers Flight Attendants Heavy Equipment Operators or Mechanics Locomotive Engineers Motorboat/Motorcycle Mechanics Pump Operators Railroad Brake, Signal, and Switch Operators School Bus, Taxi, or Truck Drivers Ship Captains and Mates Storage and Transportation Managers Tank Car, Truck, and Ship Loaders Train Conductors and Yardmasters	High School	English – 4 Mathematics – 3 Science (Biology & Integrated Science) – 2 Health Enhancement – 2 Social Studies or World Language (SS/FL) – 2 U.S. History – 1 American Government – 1 Fine Arts (Art, Music) – 1 Vocation Arts/Technology Education -1.5 (Business/Technology Education, Industrial Tech, Family& Consumer Science) Computer Essentials - .5 Modern World History *(MSU Requirement)* - 1 Electives - 6	***Required***: English 9/Pre AP Math Biology Health Enhancement Computer Ess ***Electives***: SS/FL or Fine Arts Vocational Industrial Tech	***Required***: English 10/ Pre AP Math Earth Science Health Enhancement ***Electives***: SS/FL or Fine Arts Intro to Business Entrepreneurship Zoo/Botonny CAD/Metals/Woods	***Required***: English 11/AP U.S. History Math ***Electives***: Science 3-D Art Zoo/Botany CAD II/Metals II Woods II Personal Finance	***Required***: English 12/AP American Gov't ***Electives***: Science 3-D Art Zoo/Botany Algebra 2 CAD I/Metals III Woods I Street Law I-II

Extracurricular	Clubs	Sports	Activities	MT Digital Academy
	Speech and Debate		Math Beyond the Classroom	Contemporary Math (Dual Credit) Hospitality and Tourism Mkgt.

Postsecondary		Community College Majors	College/University Majors	Other Options
	Gain education, training and work experience to further your career!	***Certificate Degree or Diploma:*** Heavy Equipment Operator Mechanics Drivers	***Bachelor's Degree:*** Airplane pilot Transportation Manager	The amount of education and training required depends on the type of work you will be doing. Some of the jobs in these fields are part time or seasonal.