

# Great Falls High School

2011-2012 Course Catalog



**HOME OF THE MIGHTY BISON**

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# USING THE COURSE CATALOG

The purpose of the course catalog is to provide students and parents with a brief description of all required and elective offerings at Great Falls High School. You will find a variety of course offerings to explore.

Please study this catalog carefully and make your choices reflecting your future goals and ambitions. You should make wise decisions and choices about your complete high school education. Freshmen through juniors are enrolled in seven periods per day while seniors are responsible for six periods per day unless the student is involved in a Work Experience program.

Your teachers and counselors are available for help with your selections for next year and for the planning of a total high school program. Parents are urged to call the school counseling department at 268-6330 for answers to any questions they may have regarding their student's program.

## COURSE CATALOG INFORMATION

This catalog is a listing of courses available to high school students at Great Falls High School. The actual courses scheduled each semester are dependent on adequate student sign-up, facilities, teacher preparation and other features associated with organizing the educational program. Therefore, every course may not be available every year or semester.

The arrangement of the catalog is by program areas such as mathematics, science, and social studies. Required and elective courses may be selected from all program areas. The listing provides a course title, prerequisite, and an abbreviated description of content. Additional information about a specific course may be obtained by contacting the appropriate high school department chairperson or counselor.

Great Falls High School Mission Statement....

To educate students for success in  
navigating the future.

Great Falls High School Vision....

All students graduate from GFHS  
career, college and citizenship ready.

# Great Falls High School Graduation Requirements

-23 Credits-

## **English - 4 credits**

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### **Social Studies - 3 credits**

Essentials of World History - 1 credit

Mt. Govt. Studies - 1/2 credit

US History - 1 credit

Government - 1/2 credit

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### **Mathematics - 3 credits**

Must include: Algebra

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### **Science - 3 credits**

Must include: Foundations, Biology

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### **Health Enhancement - 2 credits**

Must include:

9 <sup>th</sup> Health	.50
9 <sup>th</sup> P.E.	.25
9 <sup>th</sup> Swim	.25
10 <sup>th</sup> P.E.	.50
10 <sup>th</sup> Health	.50

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### **Career/Technical Education - 1 credit from**

Industrial Technology

Family and Consumer Science

Business Education

Newspaper/Yearbook Workshop

Stagecraft Design &/or Technology (either CT or FA credit)

Intro to Health Occ., Human Body Sys.,

CNA, Internship (Med. Prep. 1-4)

EMT Basic

Video Production, Video Production II (either CT or FA credit)

Applied Physics (either science or CT credit)

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### **Fine Arts - 1 credit from either**

Art

Drama

Music

Stagecraft Design &/or Technology (either CT or FA credit)

Video Production, Video Production II (either CT or FA credit)

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### **Financial Technical Skills - 1/2 credit (not Career/Tech)**

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### **Sequential (Concentration) Credit - 1 additional credit from**

Career/Technical **or**

Fine Arts **or**

2 years foreign language (same one)



## Advanced Placement Program

The Advanced Placement Program consists of college-level courses and exams for junior and senior high school students. Many colleges and universities give credit and/or advanced placement to students whose AP examination grades are considered acceptable.

An AP course is a special college-level learning experience that takes a full academic year. Advanced Placement courses make it possible for academically talented students to upgrade the quality and increase the challenge of their study. **Students taking AP classes are expected to take the AP Exams.** The following AP courses are offered at Great Falls High School:

AP US History	AP English 7-8
AP Calculus	AP Art (Senior Studio)
AP Government	AP Biology
AP European History	

## Dual Credit

Students enrolled in a dual credit class receive both high school credit and college credit. The cost for the student is shared by the university granting the credit. MSU-COT (Great Falls), MT Tech (Butte), University of Great Falls and MSU-Northern (Havre) are the schools with current dual credit agreements. The following dual credit courses are offered at Great Falls High School:

Advanced Chemistry	EMT Basic
AP English 7-8	Honors Human Biology 5-6
AP Government	Honors Statistics
AP US History	Math Physics
Auto ASE	Welding Qualifications Prep II & III
Auto Tech	Honors Chemistry

## CTE College Credits

Students also have the option of earning college credits in the following Career Technical Courses:

Construction Technology  
Accounting

These credits can be obtained by taking an assessment when students have completed the course. Credit can be granted at any of the community or two-year colleges in the state of Montana. Students will need to see their individual teachers for more specific information.

# Art

(Fine Arts)

## Art Workshop 1-2

Length of Class: Semester - Year  
Prerequisite: None  
Grade Level(s): 9, 10, 11, 12

Entry level/beginning art course. This is an overview of 2-D and 3-D techniques based on the principles and elements of design. A wide variety of media will be explored.

## Studio in Photography

Length of Class: Year  
Prerequisite: Art Workshop or instructor approval + Lab Fee  
Grade Level(s): 10, 11, 12

Must have a 35mm SLR camera. Course provides an in-depth experience using a variety of photographic techniques with an emphasis on photography as art form. Students shoot black and white photos, develop and print them in the darkroom. Mixed media, non-traditional and digital imaging methods will be taught.

**Lab fee is \$20.**

## Studio in Ceramics / Crafts

Length of Class: Semester-Year  
Prerequisite: Art Workshop or instructor approval + Lab Fee  
Grade Level(s): 10, 11, 12

This course emphasizes the ceramic arts. A variety of traditions and innovative processes will be covered. Students must be prepared to explore and develop original ideas. Students will learn hand building and wheel throwing techniques. Students will also explore a variety of traditional crafts. **Lab fee is \$20.**



## Studio in Drawing & Printmaking

Length of Class: Year  
Prerequisite: Art Workshop or instructor approval + Lab Fee  
Grade Levels(s): 10, 11, 12

This course emphasizes drawing and printmaking techniques, which will be combined to produce a wide variety of 2-D images. Students must be willing to explore and develop original ideas. Serigraphy, intaglio, relief printing and monoprinting may be covered. **Lab fee is \$20.**

## Studio in Graphic Design.

Length of Class: Year  
Prerequisite: Art Workshop or instructor approval + Lab Fee  
Grade Level(s): 10, 11, 12

This course will emphasize how to apply basic design concepts in two-dimensional art as well as creating commercial projects which communicate to an audience. It will involve learning the skillful combining of typography and images. The tools students will work with are computer software, digital cameras, drawing and painting media, and mixed media. **Lab fee is \$20.**

## Studio in Drawing and Painting

Length of Class: Year  
Prerequisite: Art Workshop or instructor approval + Lab Fee  
Grade Level(s): 10, 11, 12

This course is designed for students desiring an in-depth experience in a variety of painting and drawing techniques. Tempera, acrylic, watercolor, mixed media and other painting techniques may be taught. A portfolio of work will be kept and journals may be assigned. **Lab fee is \$20.**



# Art

(Fine Arts)

## Studio in Sculptural Design

Length of Class: Year  
Prerequisite: Art Workshop or instructor approval + Lab Fee  
Grade Level(s): 10, 11, 12

This is a three-dimensional design course that introduces the student to additive, subtractive, modeling and casting techniques in sculpture. Materials may include wood, metal, concrete, plaster, found objects and paper. **Lab fee is \$20.**

## Advanced Placement/Senior Studio

Length of Class: Year-2 hours  
Prerequisite: Art Workshop + one 2-D studio course and one 3-D studio course.  
Lab Fee - \$80  
Grade Level(s): 12

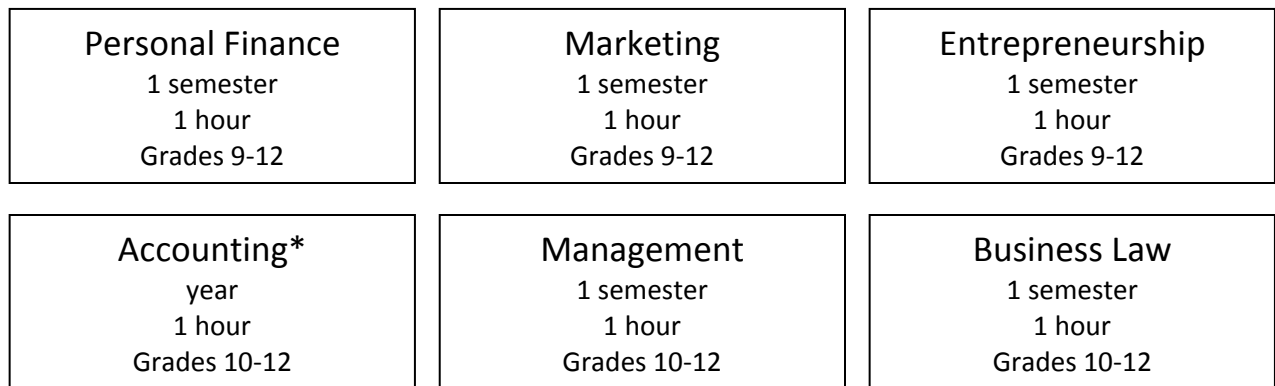
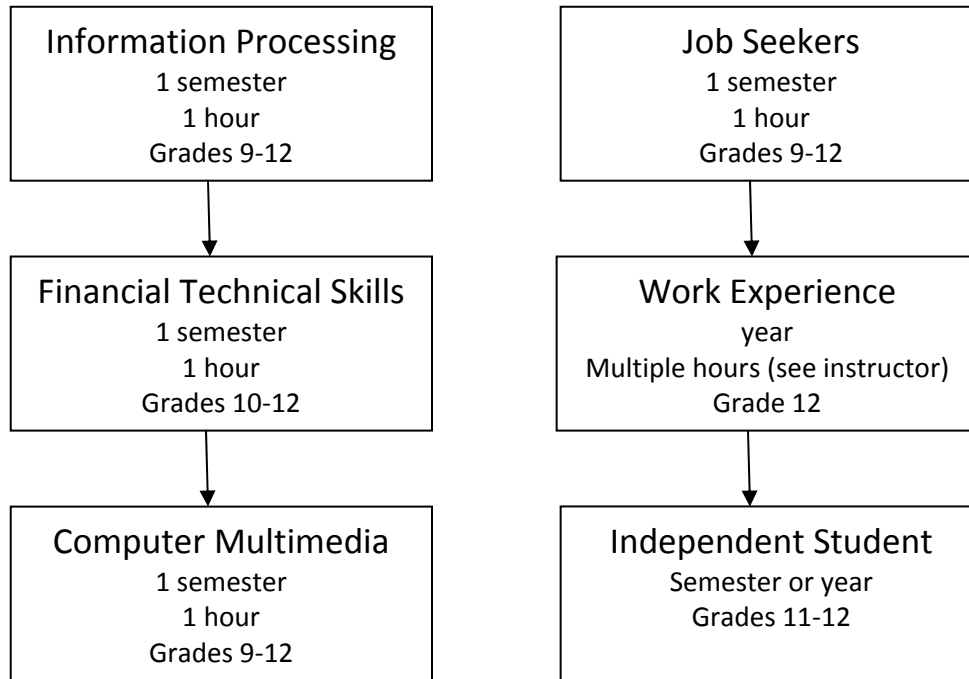
Permission of two art department faculty is necessary. Students will be required to complete a portfolio consisting of the following three sections: quality (4-6 actual works), concentration (12 works demonstrating an in-depth personal commitment to a single artistic concern) and breadth (12 works demonstrating the student's artistic breadth). Students wishing to obtain an Advanced Placement score and possible college credit will submit portfolios to the College Board in May. **A \$50 materials fee is required in addition to the College Board AP fee (approximately \$86).**



# Business Department

All courses except Accounting I offered within the Company

All credits (except Computer Literacy, which is a .5 credit graduation requirement) are awarded toward career/technical education requirements or electives.



\*Grade 10 by instructor permission only

## COMPANY – BISON BUSINESS

All business courses, except Accounting I, will be offered in the COMPANY format. Each student in the business will have different roles depending on which credit he/she is earning. Students will work from modules and will be held accountable for a semester's worth of business activities, while earning credit in their respective business courses.

# Business Education

(Career Technical)

## Information Processing

Length of Class: One semester  
Prerequisite: None  
Grade Level: 9, 10, 11, 12

In today's world, good keyboarding skills are becoming increasingly important. Being able to type quickly means saved time and accuracy. This course emphasizes building speed and accuracy using the touch system of keyboarding for personal use. Letters, memos, tables and reports will be introduced. Proofreading and following instructions will be stressed in learning to set up special applications on the computer. This course is a helpful prerequisite before taking other computer courses.

## Financial Tech Skills

Length of Class: One semester  
Prerequisite: 20 wpm keyboarding recommended.  
***This course is required for graduation***  
Grade Level: 10, 11, 12 (highly recommended for 11, 12)

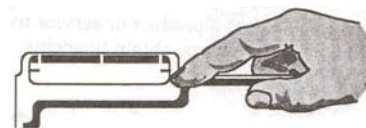
In this course students learn financial life skills while learning Microsoft Office software. The Microsoft Office applications include Word, Excel, Access and PowerPoint. The financial/life skills include the following: cover letters, resumes, personal budgeting, college selection, computer purchase comparisons, insurance, savings and checking accounts, credit, labels, travel expenses, netiquette, and career exploration. All of these elements will be emphasized through application exercises and projects.

## Accounting

Length of Class: One year  
Prerequisite: None  
Grade Level: 10 (with instructor's permission), 11, 12

Accounting is the "language of business. This course is a good intro to any post secondary business course. It includes the basics of bookkeeping, including journalizing, posting, preparing financial statements, adjusting and closing entries for a sole proprietorship, partnership and corporation. Students will also use an automated accounting program.

**\*Students who pass the NOCTI test in the spring with a 70% or better will receive Accounting I credit at a number of MSUCOTs across the state upon enrollment.**



## Personal Finance

Length of Class: One semester  
Prerequisite: None  
Grade Level: 9, 10, 11, 12

Students will study practical and personal money management by learning necessary financial survival skills through budgeting, investing, credit, banking services, taxes, insurance and other consumer planning on decision-making topics.

## Marketing

Length of Class: One semester  
Prerequisite: None  
Grade Level: 9, 10, 11, 12

This course is intended to introduce students to the various components of marketing (getting products and services from producers to consumers). Subject matter includes the economic importance of marketing, a study of consumer motivation, marketing trends, product planning and research, advertising, promotion, direct sales, and careers in marketing.

## Business Law

Length of Class: One semester  
Grade level: 10, 11, 12  
Prerequisite: None

This course entails real life court cases that allow students to act as a judge and render decisions for either plaintiffs or defendants. Students will also attend local court case hearings. Topics covered in the course include: contract law, constitutional law, criminal law, civil law and procedures, consumer law, law of torts, and wills, estates, and trusts.

# Business Education

(Career Technical)

## Management

Length of Class: One semester -1<sup>st</sup> & 2<sup>nd</sup> Sem  
Grade level: 10, 11, 12  
Prerequisite: Any one business class

Students can expect to exercise their leadership skills by becoming an office manager within Bison Business. Being a Bison Business manager will instill a general competency in meeting the challenges of management and will facilitate students' development of their own personal career aspirations. Tasks include: motivate employees, keep employees on task, monitor attendance and promptness of employees, maintain a positive climate, set up and keep the employees' file system up to date, and write reports to document management accomplishments. Students will also study various functions of management, management theory, organized labor, human resources, business ethics, conflict resolution, personal management, levels of management, and public speaking.

## Entrepreneurship

Length of Class: Semester  
Prerequisite: None  
Grade Level: 9, 10, 11, 12

Entrepreneurship is a step-by-step journey through the entire process of owning one's own business. Employees will learn how to create/implement a business plan; select a product or service to sell, determine customers, and obtain financing for their business.

## Multimedia

Length of Class: Semester  
Prerequisite: Financial Tech preferred  
Grade Level: 9, 10, 11, 12 (9<sup>th</sup> with the instructor's permission)

Students in this course will gain experience designing web pages and creating artistic graphic images. This course includes exposure to HTML, Dreamweaver, PowerPoint, PhotoShop, InDesign and Corel Draw for use in design with multimedia projects, and CorelDraw software for design and multimedia projects. The course will provide students with hands-on knowledge of computer-aided graphics, digital photography, presentation software, web-page design, Internet usage, and desktop publishing. This course is designed for both college-prep and vocationally oriented students.

## Job Seekers

Length of Class: Semester  
Prerequisite: None  
Grade Level: 9, 10, 11, 12

This class will include a job career search, developing a portfolio, developing skills to secure and keep a job, and reviewing laws and legal issues. This class is required for the Work Exp class.

## Work Experience

Length of Class: Semester  
Prerequisite: Job Seekers  
Grade Level: 12

Earn school credit while gaining on-the-job experience in a bona fide employment setting. Class meets one period per week, as per individual arrangement with instructor.

## Independent Study

Length of Class: One or two semesters  
Prerequisite: Business instructor approval  
Grade Level: 11, 12

This course has students work on and complete real world projects in the field of business. The projects are based on needs and requirements from the community. Students will work closely with business instructors and project leaders.

**We appreciate  
YOUR BUSINESS!**

# Drama

(Fine Arts)

## Introduction to Theatre

Length of Class: Year \*  
Prerequisite: None  
Grade Level(s): 9, 10, 11, 12



This course offers students a broad overview of theatre including an introduction to basic dramatic skills as well as the various facets of theatre. The student will be introduced to theatre vocabulary, dramatic literature, theatre history, movement, voice and diction, script work, play production, basic acting techniques, ensemble work, performance evaluation, and careers in theatre.

**\*Students may join class at semester if there is room.**

## Intermediate Theatre

Length of Class: Year  
Prerequisite: Intro to Theatre  
Grade Level(s): 10, 11, 12

Requires prior consent of instructor. This course expands the student's awareness, education and experience in theatre. Particular emphasis is placed upon scripted work. In addition to expanded instruction in dramatic literature and structure, theatre history, movement, voice, diction, ensemble, and acting techniques, students will be introduced to character analysis, script analysis, theatre makeup, and audition techniques.

## Advanced Theatre

Length of Class: Year (may be repeated)  
Prerequisite: Intro to Theatre, Intermediate Theatre  
Grade Level(s): 11, 12

Requires prior consent of instructor. This is an in depth course, which examines all of the elements of the theatrical experience. Particular emphasis is placed on performance. Students will examine in depth: audition techniques, theatre as a career, script and character analysis, ensemble, acting styles, theatre history, theatre criticism, and performance. Emphasis is placed on portfolio production.

**NOTE:** Students who are taking the class for the first time have preference if class fills.

## Stagecraft Design (Career Tech or Fine Art credit)

Length of Class: Year (may be repeated)  
Prerequisite: Instructor Permission  
Grade Level(s): 10, 11, 12

The class focuses on the preparation and planning elements of producing theatre as well as other performance activities. Hands-on experience integrates with design elements for lighting, sound, set construction, costuming, and marketing. Students involved in the design process (including after school time) incorporate organizational skills as well as the traditional areas of art, industrial art, drama, drafting, architecture, and computer applications. The class works in conjunction with Stagecraft Tech on school productions.

**NOTE:** Students who are taking the class for the first time have preference if class fills.

## Stagecraft Tech (Career Tech or Fine Art credit)

Length of Class: Year (may be repeated)  
Prerequisite: None  
Grade Level(s): 9, 10, 11, 12

Students construct and produce theatre as well as other performance based productions. Focusing on the hands-on experience, the members work with design, lighting, sound, set construction, costuming and marketing. Each student is expected to become involved in the production process (including out of school hours). Stagecraft incorporates a wide variety of skills and interest, especially art, industrial arts, drama, drafting, architecture, and computer applications. The class works with productions being prepared for GFHS performance and forms the core of the technical theatre department.

**NOTE:** Students who are taking the class for the first time have preference if class fills.

# English

**As mandated by the GFPS School Board, all students must earn proficiency in writing, formal speaking, and interpersonal communication before receiving English credit.**

## English 1-2

Length of Class: Year  
Prerequisite: None  
Grade Level(s): 9

Study of literature, grammar and composition, a potpourri of general subjects, giving a basic background in reading, writing, listening, viewing, and speaking. Students will learn to identify parts of speech as well as parts of sentences and their usage, identify major elements of literature, write multi-paragraph personal and literary essays as well as complete two timed writes. Required literature selections included Homer's *The Odyssey* and Shakespeare's *Romeo and Juliet*.

## English 1-2 Honors

Length of Class: Year  
Prerequisite: English Teacher Recommendation  
Grade Level(s): 9

Students must have an English teacher's recommendation. Successful completion of the summer reading assignment(s) is mandatory for entry into the honors program. English 1-2H primarily follows the same curriculum as English 1-2, but at an accelerated pace with more multi-draft essays, additional novels, and independent work. Class revolves around active participation in discussion, individual and group work, and some student-led activities.



## English 3-4

Length of Class: Year  
Prerequisite: English 1-2  
Grade Level(s): 10

Study of literature, grammar, and composition, which expands understanding and utilizes basic concepts from English 1-2. Required selections include one of Shakespeare's plays and Harper Lee's *To Kill a Mockingbird*. Grammar focuses on sentence types, their punctuation and capitalization. Literary, creative, technical and timed writes make up composition offerings. A variety of speaking assignments, formal and informal, are required.

## English 3-4 Honors

Length of Class: Year  
Prerequisite: English 1-2 H  
(or English 1-2 with teacher recommendation & approval)  
Grade Level(s): 10

Course requires successful completion of summer reading project prior to fall semester. **Transfer students (from another school or from English 1-2) may be required to do additional preparatory work/reading at teacher's discretion.** English 3-4H covers the same basic curriculum as English 3-4, but at an accelerated pace and with additional reading and writing opportunities. This class provides an expanded study of reading selections from world literature (fiction, non-fiction, drama and poetry), including in-depth discussion and analysis of the readings. Writing concentrates on structures and organization in the form of literary response, autobiography, formal and informal essay, creative writing, style analysis (imagery, point of view, diction), research requirements, timed writes, and poetry. Students work on improving their writing skills to higher adult level; they also master the use of grammatical phrases and clauses in their writing through analysis and diagramming. Students continue to improve their public address skills through exercises in autobiographical, how-to, and expository speeches.

# English

## English 5-6

Length of Class: Year  
Prerequisite: English 3-4  
Grade Level(s): 11

English 5-6 is a study of literature and composition emphasizing American literature through reading, writing, listening, viewing, and speaking. It is a continuation of regular writing program with a focus on pronoun usage and review of previously taught concepts. Course stresses research, including controversial issues, essays, literary analysis, formal research projects and presentations, and resume writing.

## English 5-6 Honors

Length of Class: Year  
Prerequisite: English 1-2H, 3-4 H  
(or English 3-4 with teacher recommendation & approval)  
Grade Level(s): 11

Course requires successful completion of the summer reading project prior to the fall semester. **Transfer students (from another school or from English 3-4) may be required to do additional preparatory work/reading at teacher's discretion. Entrance for those not previously in Honors must include a consultation.** English 5-6H is an in-depth study of major American authors through reading, writing, viewing, listening and speaking. Students continue the honors writing program with a focus on literary analysis, analytical and persuasive writing, and research techniques. Organizational skills are emphasized along with critical thinking, a review of the style elements of diction, imagery, and point of view, and an introduction of style, organization, and syntax. Grammar studies include effective sentence construction, pronoun usage and punctuation.

## English 7-8

Length of Class: Year  
Prerequisite: English 5-6  
Grade Level(s): 12

English 7-8 is a study of literature and composition emphasizing world literature through reading, writing, listening, viewing, and speaking. Students continue with the regular writing instructional program with a focus on sentence types, punctuation, parallelism, and active/passive voice. The course stresses research, literary analysis, and the use of figurative language.

## English 8 EG (early graduation)

Length of Class: Semester - 1st  
Prerequisite: must have passed all levels before enrolling  
Grade Level: 12

English 8 (EG), a companion class to English 7, is taken by the student wishing to graduate a semester early. Instruction emphasizes World Literature, Expository and Persuasive writing instruction, usage beyond basic grammar, and literary analysis. This seminar approach to discussion follows the prescribed curricular elements for senior year. Assignments include practical applications of literary elements within a variety of literary genres. Calendar syllabus is provided.

## English 7 MU (make-up)

Length of Class: Semester (2<sup>nd</sup>)  
Prerequisite: Failure of 1<sup>st</sup> semester Senior English  
Grade Level(s): 12

English 7 (MU), a companion class to English 8, is taken second semester by a student who has failed first semester. Instruction will continue with World Literature, expository & persuasive writing instruction, usage beyond basic grammar, and the Senior Research project (completed again for this coursework – if needed). Assignments will include practical applications of literary & composition elements within reading, listening, viewing, speaking, and the writings of varying genres. Calendar syllabus is provided.

## Native American Literature

Length of Class: Semester  
Prerequisite: English 1-2 with a C- or higher  
Grade Level(s): 9, 10, 11, 12

This elective course is a in-depth study of traditional and contemporary **Native American authors and their literature**, oral storytelling, and literary analysis of culturally inspired texts through reading, listening, viewing and writing. Elements of style, story structure, multiple tribal cultures, traditions and histories will be included. Presentations and Native American guest speakers also included. Reading for class will include several novels.

### **Introduction to Creative Writing**

Length of Class: Semester  
Prerequisite: None  
Grade Level(s): 9, 10, 11, 12

This course offers a chance for creative expression through the writing of short stories and poetry. In this class, students will read and discuss examples of short fiction and poetry ranging from classic authors to writers working today. This class requires thoughtful and constructive reading and work shopping of fellow classmates' work to learn from peers and polish creative products. A student's main focus will be creating his own work, and experimenting with a variety of forms and genres.

Goals of the course include learning and practicing the basics of poetic form including meter, rhyme, stanza forms, figurative language and learning/using the basics of fiction including: plot structure, characterization and character development, setting, tone and mood, theme and dialogue.

### **AP English 7-8: Literature and Composition (dual credit)**

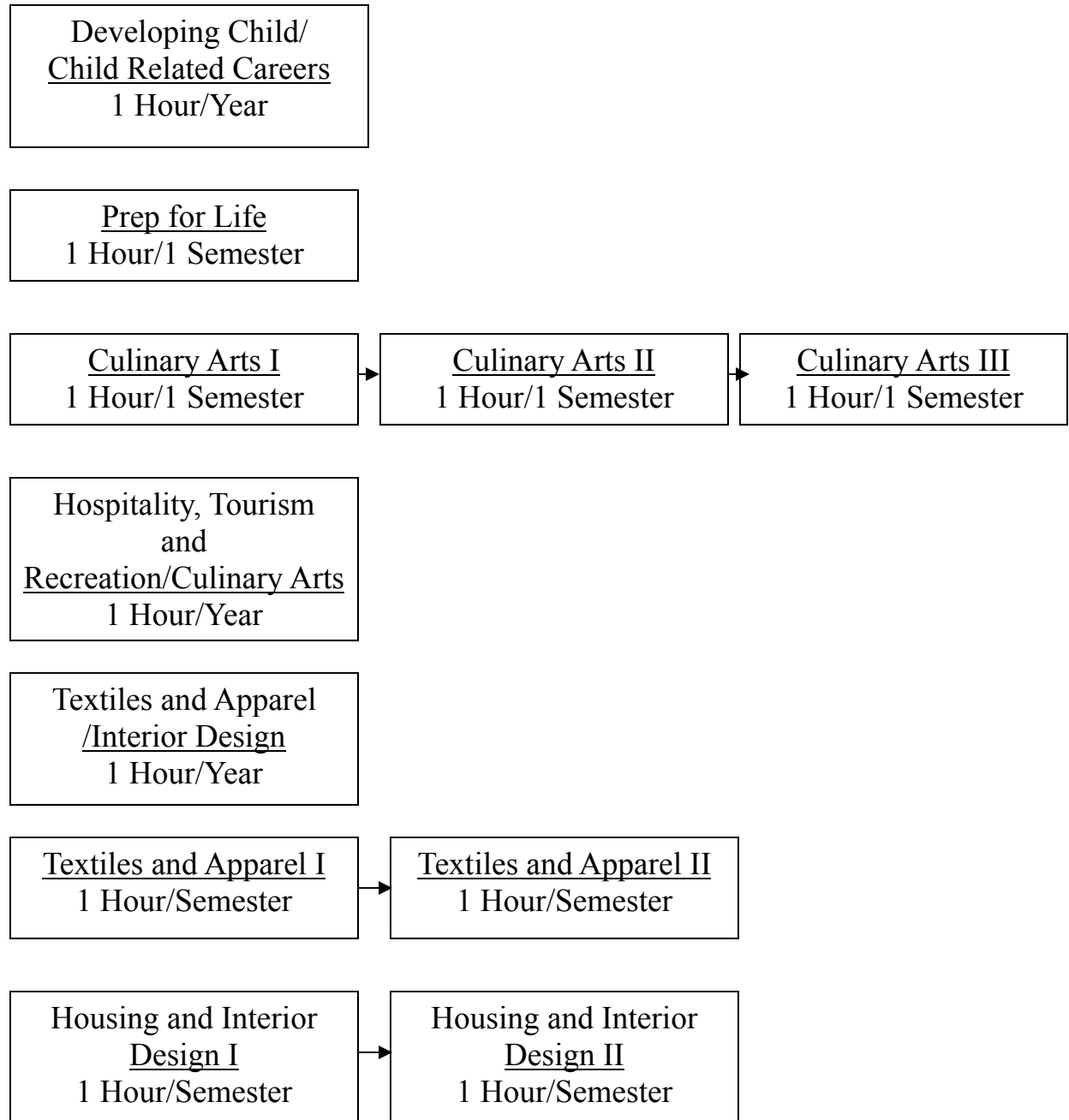
Length of Class: Year  
Prerequisite: See Below  
Grade Level(s): 12

Open to all seniors with an interest in and dedication to in-depth study of world-class literature, AP English is a challenging experience that requires more effort, gives opportunity for individual accomplishment, and penetrates deeper into both the content of world literature and the analysis of that content.

While the AP examination given every May by the College Board is an important benefit of the course, the course focuses on developing additional intellectual discipline. With close reading and intensive study of works of recognized literary merit, writing as a developed discipline and discussion of material that intellectually mature students find engaging, students refine their critical thinking skills by becoming more aware of the nuance of language and more appreciative of the creative process. This course includes an intensive study of the analysis of authors' style. Successful completion of summer reading and assignments are required for entering the program.

**Students who drop this class at semester will be required to enroll in Credit Recovery to complete the English curriculum components, including the Senior Research Project, required for graduation that were not completed 1<sup>st</sup> Semester. Students will have the option of either taking the class for dual credit from Montana Tech in Butte or taking the AP exam this spring. Students will earn six college credits and one high school credit if they select the dual credit option.**

# FAMILY CONSUMER SCIENCE DEPARTMENT



# Family and Consumer Sciences

(Career Technical)

## Culinary Arts I

Length of Class: Semester  
Prerequisite: None  
Grade Level(s): 9, 10, 11

Nutrition, Mypyramid and food safety & sanitation, basic food preparation. Class fee is \$25.

## Culinary Arts II

Length of Class: Semester  
Prerequisite: Culinary Arts I\*  
Grade Level(s): 10, 11, 12

Intermediate food preparation, emphasis on skills, techniques, presentation and organization. Class fee is \$25.

## Culinary Art III

Length of Class: Semester  
Prerequisite: Culinary Arts II\*  
Grade Levels: 10, 11, 12

Advanced food preparation, emphasis on skills, service and menu development. Class fee is \$25.

## Prep for Life

Length of Class: Semester  
Prerequisite: None  
Grade Level(s): 11, 12

Personal awareness, communication skills, decision making and consequences, and relationships.

## Textiles and Apparel /Interior Design

Length of Class: Year  
Prerequisite: None  
Grade Level(s): 10, 11, 12

This is a class for those students interested in design in a broad sense – students will learn how to apply color and design principles to a variety of projects, from clothing to textiles to home to commercial application. Class fee is \$30.

## Textiles and Apparel I

Length of Class: Semester  
Prerequisite: None  
Grade Level(s): 9, 10, 11, 12

Basic sewing techniques using conventional sewing machines, serger, and computerized embroidery machine. Class fee is \$15.

## Textiles and Apparel II

Length of Class: Semester  
Prerequisite: Textiles & Apparel I\*  
Grade Level(s): 9 (second sem. only), 10, 11, 12

Intermediate sewing techniques, clothing history and trends. Elements and principles of design fashion industry career paths. Class fee is \$15.

## Developing Child/Child Related Careers

Length of Class: Year  
Prerequisite: None  
Grade Level(s): 10, 11, 12

This is a class for those students interested in the development of children, parenting children and working with children in a variety of venues. Class fee is \$30.



## Hospitality, Tourism and Recreation/Culinary Arts

Length of Class: Year  
Prerequisite: None  
Grade Level(s): 10, 11, 12

This is a class for those students with not only an interest in cooking and food service, but also in the entire Hospitality Industry – inclusive of travel, tourism and recreation. Class fee is \$40.

**\*Student must have received a grade of C or better in prerequisite class (or obtain special permission from teacher).**

# Family and Consumer Sciences

## *Housing & Interior Design I*

Length of Class: Semester  
Prerequisite: None  
Grade Level(s): 10, 11, 12

Enables students to explore their creativity in the field of interior design. Identification of the elements of design is emphasized. Other topics include area planning and careers. Class fee is \$15.

## *Housing & Interior Design II*

Length of Class: Semester  
Prerequisite: Housing & Interior Design I\*  
Grade Level(s): 10, 11, 12

Students can expect to explore in-depth principles of design and to apply them in a hands-on, experiential way. Historical periods of design along with modern application will be emphasized. Internships with a design firm may also be a part of this upper level course. Class fee is \$15.

**\*Student must have received a grade of C or better in prerequisite class (or obtain special permission from teacher).**



# Foreign (World) Language

## **French 1-2**

Length of Class: Year  
Prerequisite: None  
Grade Level(s): 9, 10, 11, 12



Introduction to the French language through the four skills: listening, reading, writing and speaking. This course is taught through the TPRS method (Teaching Proficiency through Reading and Storytelling). Students will read two short novels. Culture, history and geography are important parts of this course.

## **French 3-4**

Length of Class: Year  
Prerequisite: French 1-2 (C average or better)  
Grade Level(s): 9\*, 10, 11, 12

\*9<sup>th</sup> with two years of French should consider starting at this level. Review of French 1-2 as well as continued expansion of French language, history, and culture. Student will read two short novels as well as view two feature length French films.

## **French 5-6**

Length of Class: Year  
Prerequisite: French 3-4 (C average or better)  
Grade Level(s): 10, 11, 12

Students continue to improve proficiency in the four skill areas. They read two short novels, do an individual project on a French children's book, keep a journal in French, study French poetry, explore Francophone cultures, view French films for discussion in French and read *Le Petit Prince*.

## **French 7-8**

Length of Class: Year  
Prerequisite: French 5-6 (B average or better)  
Grade Level(s): 11, 12

Students acquire a higher level of proficiency in oral and written work through grammar review, reading excerpts from various genres, novels, poetry and songs, film viewing and discussion units. Students will study French history, study Francophone cultures and read *Les Jeux Sont Faits*. Students will keep a journal in French and create book projects based on French children's books.

## **French 9-10**

Length of Class: Year  
Prerequisite: French 7-8 & teacher recommendation  
Grade Level(s): 12

This course will include advanced study of French literature, grammar, history and culture. French film studies and individual Francophone studies will emphasize speaking and writing ability. The AP book will be used as a review of grammar.

## **German 1-2**

Length of Class: Year  
Prerequisite: None  
Grade Level(s): 9, 10, 11, 12

Students learn the basics of the German language through listening, reading, writing, and speaking activities. History and culture are also addressed in this course.

## **German 3-4**

Length of Class: Year  
Prerequisite: German 1-2 (C average or better)  
Middle School Recommendation  
Grade Level(s): 9\*, 10, 11, 12

\*9<sup>th</sup> with two years of German should consider starting at this level. Review of German 1-2, as well as continuation of vocabulary, grammar concepts and cultural information. Creative assignments and projects will also be introduced.

## **German 5-6**

Length of Class: Year  
Prerequisite: German 3-4 (C average or better)  
Grade Level(s): 10, 11, 12

Advanced students will improve their oral and written proficiency by mastering the grammatical concepts. Class discussions and student generated work in German is also a major part of this course. Students will be required to write weekly journals in the target language.

# Foreign (World) Language

## German 7-8

Length of Class: Year  
Prerequisite: German 5-6 (B average or better)  
Grade Level(s): 11, 12

Students utilize their skills to understand more challenging literature and to expand their oral and written fluency. Class contains a lot of independent work.

## German 9-10

Length of Class: Year  
Prerequisite: German 7-8 & teacher recommendation  
Grade Level(s): 12

This advanced study of the German language will include independent projects about culture, history, and the humanities. Continued improvements in speaking and writing skills will be emphasized.

## Spanish 1-2

Length of Class: Year  
Prerequisite: None  
Grade Level(s): 9, 10, 11, 12

Students will learn basic vocabulary and grammar, with an emphasis on speaking and listening through storytelling. Basic reading and writing will also be practiced. Students will be introduced to the cultures of Spanish-speaking countries.

## Spanish 3-4

Length of Class: Year  
Prerequisite: Spanish 1-2 (C average or better)  
Grade Level(s): 9\*, 10, 11, 12

\*9<sup>th</sup> with two years of Spanish should consider starting at this level. Students will improve their listening and speaking skills while developing the ability to read and write more proficiently through storytelling. Students will expand their knowledge of Spanish-speaking cultures.

## Spanish 5-6

Length of Class: Year  
Prerequisite: Spanish 3-4 (C average or better)  
Grade Level(s): 10, 11, 12

Students will continue to acquire more sophisticated vocabulary and grammatical structures to increase Spanish language acquisition. The subjunctive mood will be introduced. The class provides a more in-depth study of the cultures of Spanish-speaking countries through literature, history, and art.

## Spanish 7-8

Length of Class: Year  
Prerequisite: Spanish 5-6 (B average or better)  
Grade Level(s): 11, 12

Students will continue to perfect their speaking, reading, and writing skills. Several advanced tenses will be introduced and previously acquired grammatical structures will be practiced. Students will read short stories, as well as continue the study of Spanish-speaking countries.

## Spanish 9-10

Length of Class: Year  
Prerequisite: Spanish 7-8 & teacher recommendation  
Grade Level(s): 12

Students will continue the study of culture and grammar. Literature will be a main component of the class. Emphasis will be placed on oral and written communication in advanced verb tenses. Students in this class can opt to take the Advanced Placement Spanish Language exam.

## Sign Language

Length of Class: Semester (1st sem. only)  
Prerequisite: None  
Grade Level(s): 9, 10, 11, 12



"Sign," the third most used language, provides students an opportunity to familiarize themselves with deafness, the medical causes, ramifications and related professions. Students will develop a beginning proficiency in sign, be able to read and understand the deaf, and speak in front of a group.

# HEALTH ENHANCEMENT DEPARTMENT

## Regular Courses

Physical Ed.  
Health  
Swimming  
9th



Physical Ed.  
Health  
10th

## Electives

Weight  
Training

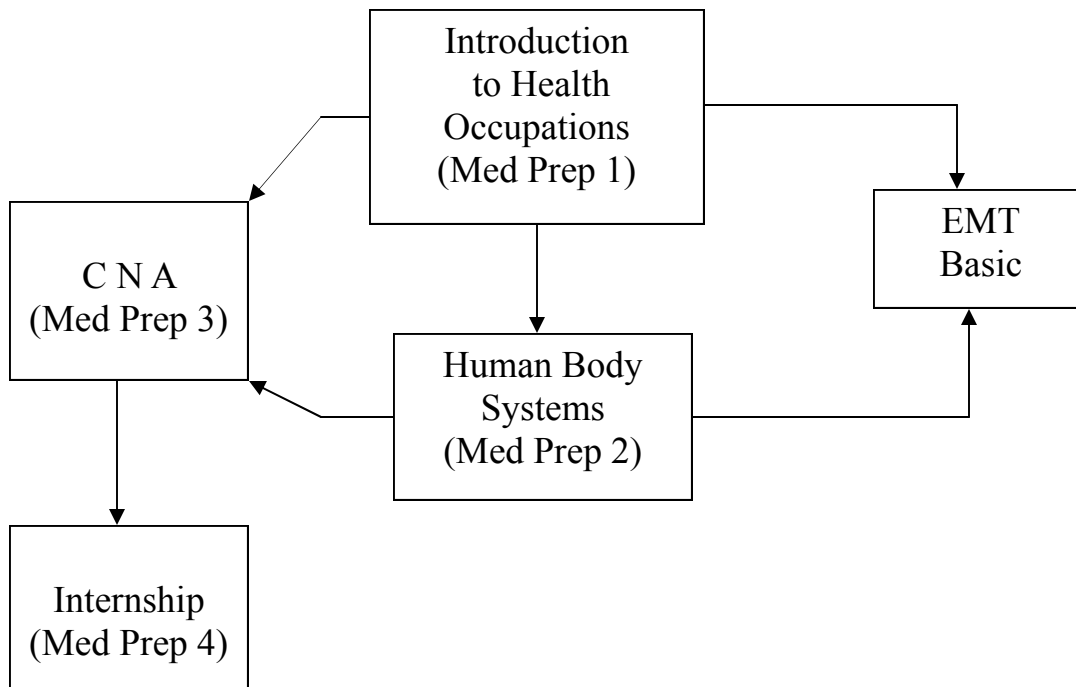
Lifetime  
Sports

Aerobics

Advanced  
Swimming

Introduction  
To Athletic  
Training

## Med Prep



# Health Enhancement

## Physical Education 9

Length of Class: Semester (every other day)  
Prerequisite: None  
Grade Level(s): 9

Conditioning, fitness and basic skills will be reinforced through a variety of individual and team activities. Conditioning will be stressed to help the student achieve physical fitness.

## Swim 9

Length of class: Semester (every other day)  
Prerequisite: None  
Grade Level(s): 9

Students will receive instruction on basic swim stroke techniques, diving, snorkeling, water safety, survival skills, leisure time activities and aquatic fitness.

## Health 9

Length of Class: Year (every other day)  
Prerequisite: None  
Grade Level(s): 9

Instruction includes introduction to health, safe living, human body systems, substance abuse, nutrition and body image, public health and wellness, and first aid, and prevention. Students will learn about the need to achieve optimal health and wellness through self-responsibility and decision-making skills.

## Health 10

Length of Class: Year (every other day)  
Prerequisite: Health 9  
Grade Level(s): 10

Students will learn the importance of making healthy choices for total wellness. Instructional areas include: decision-making skills, mental health, social health, physical health, human development, character traits, violence prevention, disease, and disease transmission and prevention.



## Physical Education 10

Length of Class: Year (every other day)  
Prerequisite: Physical Education 9  
Grade Level(s): 10

Participation in a variety of activities for skill development. Conditioning and fitness will be stressed.

## Athletic Weight Training (Conditioning)

Length of Class: Semester or year  
Prerequisite: PE 9 & 10, and a Physical  
Grade Level(s): 9-12

This course will emphasize physical development through **physical conditioning** and **strength training**. Students will learn power lifting. Class may be taken more than once for credit, but only if there is room. Ninth and 10<sup>th</sup> Grades may not substitute this for the PE/Swim graduation requirement.

## Aerobics

Length of Class: Semester  
Prerequisite: PE 9 & 10  
Grade Level(s): 9-12

Rhythmic exercising, step aerobics, kick boxing, strength endurance, and physical conditioning to achieve a high level of fitness, flexibility, cardiovascular endurance and muscular strength are included in this class. Students must have no medical limitations. Class may be taken more than once for credit. Ninth and 10<sup>th</sup> Grades may not substitute this for the PE/Swim graduation requirement.

## Advanced Swimming

Length of Class: Semester  
Prerequisite: PE 9 & 10, Swim 9 & Permission of Instructor  
Grade Level(s): 10 (if space available and instr. allows) 11, 12

Prior approval of instructor and initial Red Cross pre-testing is required. Prospective students should have received an A or B in Swim 9. Depending on class size and make up, lifeguard training and certification may be covered. Aerobic conditioning through lap swimming and drills will be stressed. The first week of class students will perform two Red Cross tests to determine eligibility for class. This class may be taken for credit more than once, but only if there is room.

# Health Enhancement

## Lifetime Sports (Conditioning)

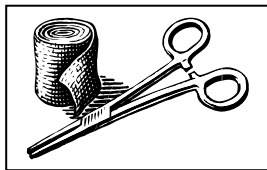
Length of Class:	1 Semester
Prerequisite:	PE 9 & 10 (B or better) Physical
Grade Level(s)	11 & 12

Students taking this class must be in excellent physical condition and must be willing to run every day. Lifetime sports is designed to offer students exposure to a wide variety of activities and experiences that may be utilized throughout their lifetime in recreational settings. Active participation in the activities will reinforce the learning experience for each student. Because the class will be offered only during sixth period, and some activities may require transportation to various facilities, student must have an open seventh period. Student must be able to provide transportation to and from outreach facilities. **Students may take this class ONE time only.** \$20 participation fee.

## Intro. to Athletic Training

Length of Class:	Year
Prerequisite:	Intro. to Health Occ., Human Body Systems OR Honors Human Biology (may be taken concurrently), or permission from instructor
Grade Level(s)	10, 11, 12

This course will provide basic instruction and skills needed to administer emergency first aid treatment, taping, immobilization, basic injury evaluation, and rehabilitation principles. In-depth musculoskeletal anatomy will be covered from head to toe. Upon successful completion of the course, students will be certified in CPR for adults and children in accordance with the requirements of the American Heart Association. This course is designed for anyone interested in a career in healthcare, especially physical therapy, athletic training or orthopedics.



## Introduction to Health Occupations (Med. Prep 1)

Length of Class:	Year
Prerequisite:	Health 9 (minimum C average) or permission of instructor
Grade Level(s)	10, 11, 12

This course explores all major body systems and how they apply to medicine today. Body Systems incorporates labs, lecture, basic computer use, and job shadows with human anatomy. Additionally, the course serves as an introduction to health occupations, the skills and knowledge needed to pursue careers in the health field and be a knowledgeable health care consumer. Students will explore: education & training for future employment; on-site observations of multiple medical occupations/job shadowing; medical ethics/confidentiality, human relations; overview of body systems; medical terminology; safety training/infection control; interpreting medical research and case studies; employability skills (portfolio building, computer application, communication – verbal & written). Joining Health Occupations Students of America is recommended. HOSA incorporates learned skills and competitive events at both state and national levels. Students will compete against schools statewide in events including sports medicine, anatomy, art, medical spelling, math, and careers. **This class counts as a Career Technical credit.** Students will be required to have a TB Test.

## Human Body Systems 2 (Med. Prep 2)

Length of Class:	Year
Prerequisite:	Health 9 & 10 (minimum C average) and Intro. To Health Occ. (can be taken concurrently) or permission of instructor
Grade Level(s)	11, 12

This course builds on the Introduction to Health Occupations content and prepares for the Health Occupations Practicum. It incorporates lecture and lab components to achieve a basic understanding of: medical terminology; Human body systems – including diagnosis and treatment of disorders skin/integumentary, muscular/skeletal, neuro/endocrine, blood/heart / lymphatic/immune, respiratory/urinary/digestive/ nutrition/ metabolism, reproductive/ genetics; critical thinking/medical/case studies; global and environmental health; disease entities for each system; computer technology application. **This class counts as a Career Technical credit.** Students will be required to have a TB Test.

# Health Enhancement

## Health Practicum 3 (CNA at Benefis)

Length of Class:	1 Quarter (1 <sup>st</sup> or 2 <sup>nd</sup> Semester) - 2 hrs
Prerequisites:	Introduction to Health Occupations and/or Human Body Systems (may be taken concurrently)
Credit:	1 (2 hrs. per semester)
Grade Level:	12

This class lasts one quarter and is scheduled for 3 class periods: 7am, 1<sup>st</sup> and 2<sup>nd</sup>. Attendance is a requirement for CNA class - School District attendance policy does not apply during clinical portion of class, and students will have homework every night. This course builds on the Health Occupations class with both classroom and hands on experience being used. The class is taught in conjunction with Benefis Health Care. Students will be expected to increase their knowledge of the health care field. Upon completion of the course the student may qualify to take the CNA examination. There is no cost to students except for the \$97 fee if they chose to take the state test to be certified. **This class counts as a Career Technical Credit.** Students will be required to have a TB Test.

## Health Occupations - Internship (Med Prep 4)

Length of Class:	1 Semester (2 hours) or 1 quarter after completing CNA
Prerequisite:	Med Prep 1, 2 & 3
Grade Level:	12

This course is the culmination of the Health Occupations Curriculum. The student is expected to complete 215 clinical hours (can be paid work experience) in a healthcare related setting. The student is expected to interact with other health care professionals in a health care workplace setting. The hours may vary depending upon schedule and work available. This intern experience must be arranged with Maxine Farrell and approved by a Med. Prep. Teacher. **This class counts as a Career Technical credit.**

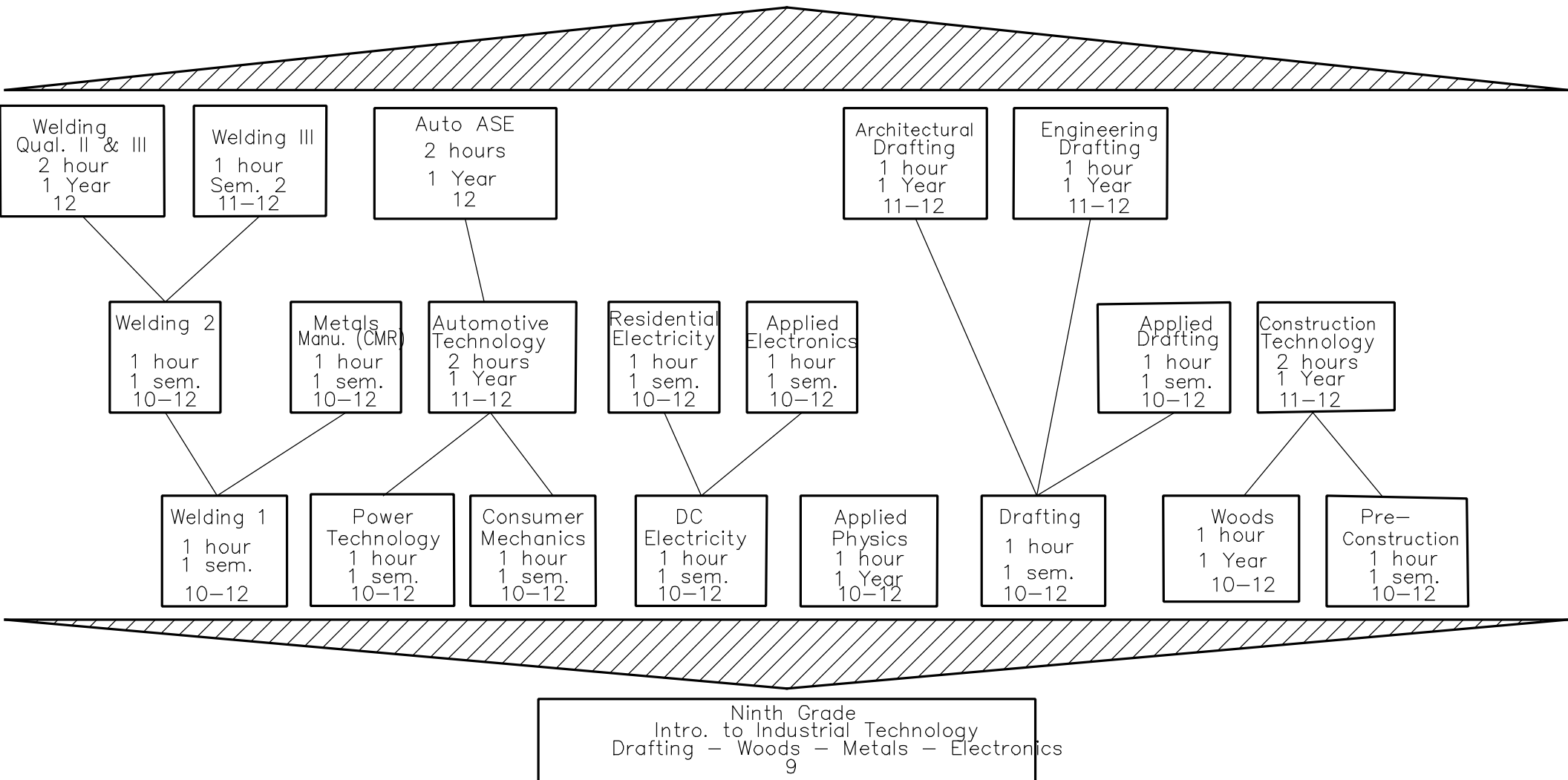
## EMT/Basic at MSU-COT (dual credit)

Length of Class:	1 <sup>st</sup> Semester (3 hours, 3 days/week)
Prerequisites:	Human Body System (Med Prep 2) (may be taken concurrently)
Credit:	1
Grade Level:	12

**This is a dual enrollment class.** Students will receive one high school credit and seven college credits from MSU-COT. This course is the nationally recommended minimum level of training for ambulance personnel and is considered the desired level of training by many fire departments. A combination of class work and practical experience, this course focuses on skill development in the primary responsibilities of the EMT-B. Upon successful completion, students are eligible to sit for the Montana and National Registry certification examinations. Tuition fees for this class are divided between MSU-COT and the student. **This class counts as a Career Technical Credit.**



# INDUSTRIAL TECHNOLOGY



# Industrial Technology

(Career Technical)

## Applied Electronics

Length of Class: Semester  
Prerequisite: None  
Grade Level(s): 9 (with instructor permission),  
10, 11, 12

This course exposes students to a wide variety of electronics technologies. Examples of subject matter covered include: working safely with electricity, knowing and understanding various electronic components such as speakers, resistors, capacitors, diodes, leds, potentiometers, photocells, transistors, scrs, timer chips, and switches. Students will use the electronic components to build circuits such as burglar alarms, automatic night-lights, and sound systems. Other topics include: robotics and computer control, radio signal, infra-red signal, fiber optics, and lasers.

## DC Electricity

Length of Class: Semester  
Prerequisite: None  
Grade Level(s): 9 (with instructor permission),  
10, 11, 12

Provides knowledge of DC electrical systems utilized by automobiles and machinery. It provides the foundation skills to enter any electrical or electronics field. Students will learn to work safely with electricity, read circuit diagrams, assemble, diagnose and repair circuits, measure electrical quantities, test batteries, disassemble, inspect and repair automotive charging, starting and ignition systems. The class spends 3-5 days on building simple to more complex car stereo systems.

## Residential Electricity

Length of Class: Semester  
Prerequisite: None  
Grade Level(s): 9 (with instructor permission),  
10, 11, 12

This course teaches the skills necessary to become a residential or commercial electrician, and to maintain the electrical system of a personal residence. Subjects covered are electrical safety, electrical generation and transmission, transformers, service entrances, breaker boxes, outlets, switches, wiring of components, doorbells, lighting, heating systems and A/C motors.

## Applied Physics

Length of Class: Year  
Prerequisite(s): Prep for Algebra, Foundations  
of Science and Biology or  
instructor permission  
Grade Level(s): 11, 12

Applied Physics is an applied physical science course that is currently one of the fastest growing curricular areas in the United States. The class is a lab-based approach to the concepts of FORCE, WORK, RATE, POWER, RESISTANCE, and ENERGY as they apply in mechanical, fluid, electrical, and thermal systems. When the principles of today's technology are explored, foundations for understanding tomorrow's technology are developed. Applied Physics is a team taught course which allows the use of both science and vocational facilities and materials. For example, one day a student might be doing a lab activity at the swimming pool and on another day be in the auto shop determining how much work the hoist does in lifting a vehicle. **This class fulfills credit requirements for a lab science, career technical or elective credit.**

## Power Technology

Length of Class: Semester  
Prerequisite: None  
Grade Level(s): 10, 11, 12

The course deals with such topics as energy transfer, machines, automotive mechanics, power transmission methods, and small engine service. The lab portion of the class relates engine theory to shop practices, and actual work on small engines provides an opportunity to use what is learned. Energy efficiency as it relates to machines and engines is explored, and basic automotive maintenance procedures are discussed. Students need to provide their own lawn mower engine.

# Industrial Technology

## (Career Technical)

### Consumer Mechanics

Length of Class: Semester  
Prerequisite: None  
Grade Level(s): 10, 11, 12 (females only)

Consumer mechanics is a one-half credit, one hour per day, one semester class that educates students on purchasing, owning, and maintaining an automobile.

### Automotive Technology (dual credit)

Length of Class: 2 hours, 2 Semesters  
Prerequisite: Power Tech or \*Applied Physics or Consumer Mechanics  
Grade Level(s): 11, 12

**This is a dual credit course** with MSU-Northern. Tuition fees are divided between MSU-Northern and the student. Students will earn five college credits and two high school credits. Auto mechanics is a two-credit, two-hour per day, year-long course designed to prepare students for technical training as well as entry level employment. The following will be covered: engines, drive trains, braking systems, electrical systems, and steering and suspension.

\*May be taken simultaneously with Applied Physics.

### Automotive Technology ASE (dual credit)

Length of Class: 2 hours, 2 Semesters  
Prerequisite: Auto Tech with a C or better or instructor permission  
Grade Level: 12

**This is a dual credit course** with MSU-Northern. Tuition fees are divided between MSU-Northern and the student. Students will earn four college credits and two high school credits. Automotive Technology ASE will be a limited ASE certification course in which students will have the opportunity to train and test for two-three of the total nine ASE certification areas. This course will be held at the Paris Gibson Education Center. Course work will include both classroom and shop experience. Students will learn to follow proper safety and shop practices used in the auto industry, to diagnose, repair and service specific automotive systems, to work under the time requirements (flat rate) allotted by industry for each task, to document repairs, parts and supplies used to complete a given repair and to utilize industry repair manuals to diagnose and repair systems. **Students will be expected to provide vehicles, parts and supplies for lab work as well as to provide their own transportation to and from the satellite shop.**



# Industrial Technology

(Career Technical)

## Intro. To Industrial Technology

Length of Class: Year  
Prerequisite: None  
Grade Level(s): 9

Students will spend nine weeks working in each of the following areas: drafting, woodworking, metalworking, and basic electricity. Each area will be explored at an introductory level with emphasis on practical application of technical information. This course is not a prerequisite for other Industrial Technology classes; however, it will give a good foundation to build upon for the other courses.

## Pre Construction

Length of Class: Semester  
Prerequisite: None  
Grade Level(s): 10, 11, 12

This course is for the wood worker with a serious interest in the construction of a house. Students will be introduced to the tools required in building a house. Class projects are sheds, fences and sidewalks. This class serves as a prerequisite for Construction Technology (High School House).

## Woods 1-2

Length of Class: Year  
Prerequisite: None  
Grade Level(s): 10, 11, 12

This is a great class for girls and boys alike. Basic woodworking principles and machining will be emphasized. Students will develop skills necessary for most occupations. learn to build and evaluate projects together, then progress to individual projects and evaluations. Sample projects include: Cribbage boards, Chess boards, ear ring racks, lamps, frames, clocks, etc. along with wood lathe projects like candle holders, pool cues, etc. Fees for the class vary depending on the material and the number of projects selected by the student. Students are required to purchase safety glasses. This class is one of two choices as a prerequisite class needed before taking Construction Technology (High School House).

## Construction Technology (High School House)

Length of Class: 2 hours, Year  
Prerequisite: Pre-Construction or Woods  
Grade Level(s): 11, \*12

An advanced two-period class covering career options in the construction trades, blueprint reading, estimating, concrete, framing, roofing, finishing and industrial safety. Emphasis is on occupation preparation. Students must be able to provide their own transportation to the construction site. **\*Students who take the course for more than one year must have instructor approval and must have earned an A the first year of this class.** This class is available for CTE College credits.



# Industrial Technology

(Career Technical)

## Welding I

Length of Class: Semester  
Prerequisite: None  
Grade Level(s): 10, 11, 12

Welding is designed for those students who seek a solid background in the basic principles and practices of welding. The course will provide instruction in welding, cutting and other joining processes that will enable students to begin with the most elementary work and progressively study and practice each process until they are skilled.

## Welding II

Length of Class: Semester  
Prerequisite: Welding I  
Grade Level(s): 10, 11, 12

This course is designed to take students who have completed Welding I further in their course of study in the world of welding. Instruction will be centered around practical, hands-on application welding on both required and student-engineered projects. A real world emphasis will be placed on the class content by not only improving upon existing welding knowledge but also by working in the factors of cost analysis, shop time and space constraints, correct weld procedure, print reading and layout and proper selection of equipment and techniques best suited for the project at hand. TIG and MIG welding on both aluminum and steel will be covered in depth in addition to a closer look at welding processes covered in welding.

## Welding III

Length of Class: Semester (2<sup>nd</sup> Only)  
Prerequisite: Welding I & II and  
Instructor Approval  
Grade Level(s): 11 & 12

This course is intended to introduce the student to the basics of CNC plasma cutting, welder qualifications, out-of-position welding, welding fabrication and repair. Participants will learn operation and set-up procedures for CNC plasma as well as advanced welding and fabrication procedures. This class is available for CTE College Credit.

## Metals/Manufacturing - CMRHS

Length of class: Semester  
Prerequisite: Welding I  
Grade Level: 11, 12

Students will gain advanced skills in oxy-acetylene and arc welding with advanced skills in the use of wire feed. Aluminum and cast iron welding are introduced to welding fabrication and careers in welding and other metal working fields. There is a CNC component. This course is taught only at CMR, so students will lose one period to travel time.

## Welding Qualification II & III (dual credit)

Length of Class: Year  
Prerequisite: Welding III or instructor approval  
Grade Level(s): 12

**This is a dual credit course** taught at MSU-COT. Students must provide their own transportation and will earn 10 college credit (5/semester) and 2 high school credits (1/semester). Tuition fees are divided between MSU-COT and the student.

**Welding II** This course prepares students for American Welding Society (AWS) qualification. Students will understand the proper way to prepare for a welder qualification test in the horizontal, vertical and flat positions.

**Welding III** This course is a continuation of Welding Qualification Prep II and continues to prepare students for AWS qualification.

## Independent Study

Length of Class: One or two semesters  
Prerequisite: Indust. Tech. instructor approval  
Grade Level: 11, 12

This course has students work on and complete real world projects in the industrial trades areas. The projects are based on needs and requirements from the community. Students will work closely with IT instructors and project leaders.

# Industrial Technology

## (Career Technical)

### Drafting I

Length of Class: Semester  
Prerequisite: None  
Grade Level(s): 9 (with instructor permission),  
10, 11, 12

This is a basic drafting course designed to develop the students skills needed to produce drawings and understand basic drafting theory using the latest Computer Aided Drafting (CAD) equipment. Topics developed on CAD will include applied geometry, orthographic projection, dimensioning, sections, and auxiliary views. This is a 2-dimensional CAD course with a brief introduction to 3-dimensional modeling. This course prepares students for a future in fields of study such as: Drafting, Engineering, Architecture, Computer Graphics, Computer animation, Construction/Building industry.

### Applied Drafting

Length of Class: Semester  
Prerequisite: Drafting I  
Grade Level: 10, 11, 12

Applied Drafting is a drafting course designed to advance student skills developed in Drafting I. This class is designed to help prepare students for the Engineering and Architectural Drafting classes as well as related fields beyond high school. Topics to be addressed include: student developed basic residential plan sets using CAD software, development of working drawings, assembly drawings, and parts lists.

### Engineering Drafting

Length of Class: Year  
Prerequisite: Drafting I  
Grade Level(s): 11, 12

A complete technical drafting course aimed at meeting the needs of students interested in drafting, engineering, computer graphics, computer animation, construction/building industry. It is the study and application of standards used for producing working drawings, including the fundamentals of geometric dimensioning and tolerancing. Both detailed and assembly drawings will be produced from 3-dimensional computer models. Students will also produce presentation renderings and animations of mechanical parts.

### Architectural Drafting

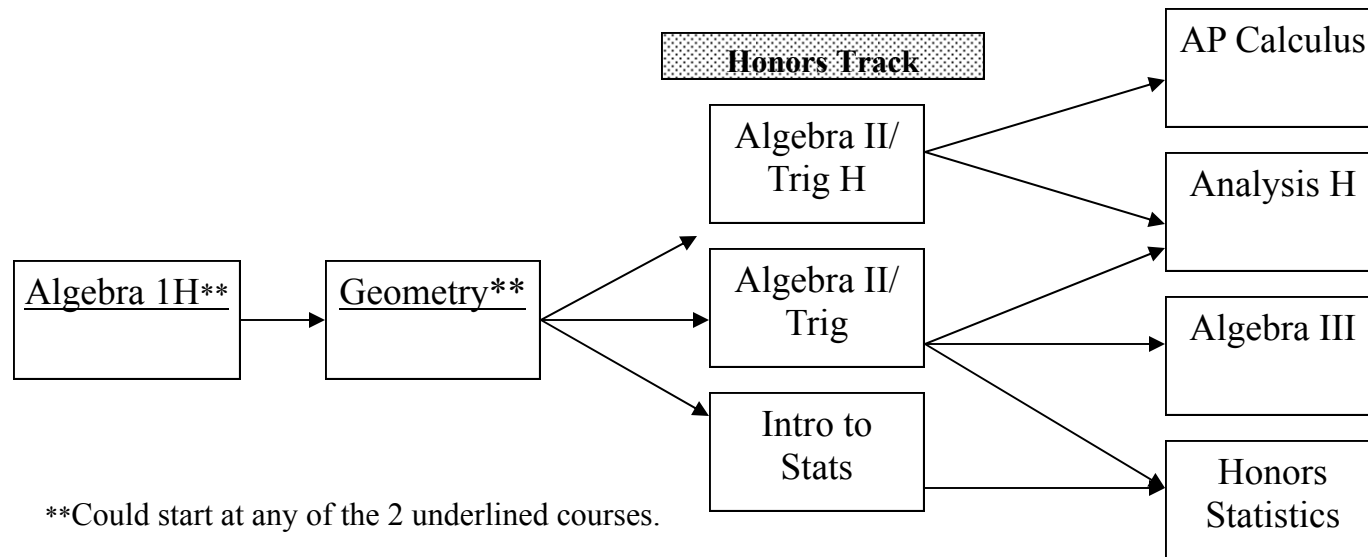
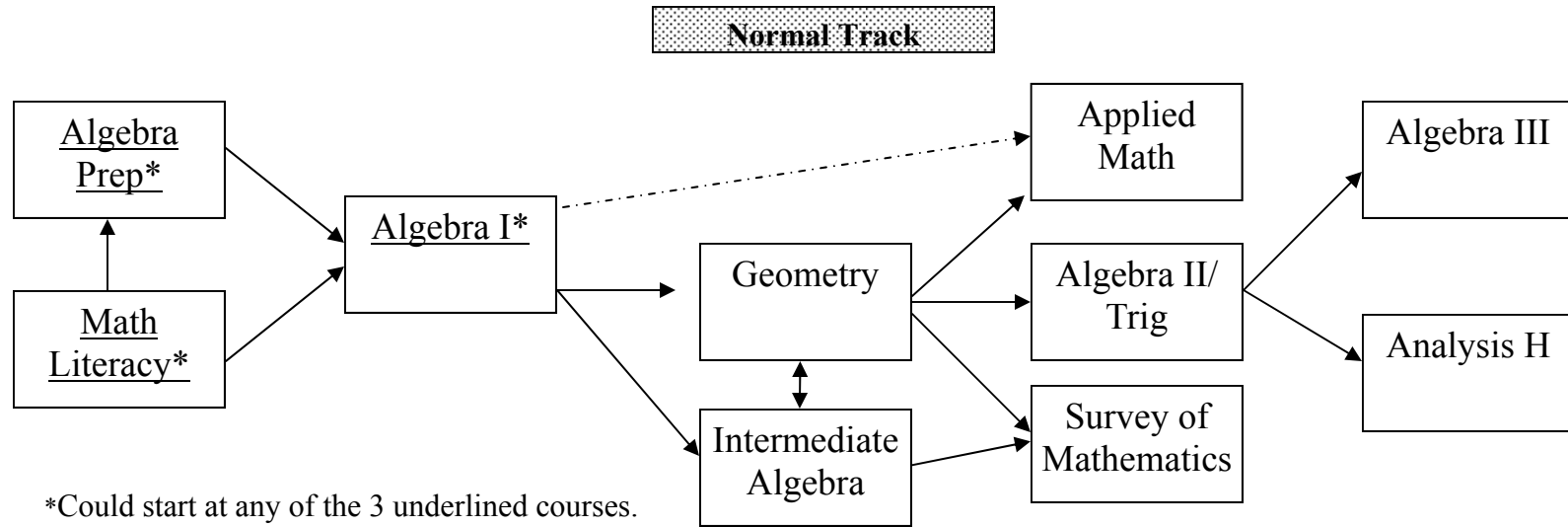
Length of Class: Year  
Prerequisite: Drafting I  
Grade Level(s): 11, 12

This class covers the developments of the principles in construction drawings of an average wood frame residential structure. A complete set of working drawings will be developed using AEC-CAD applications software. Students will also study the use of CAD images and animation to develop professional presentations.



# MATH DEPARTMENT

Our mathematics curriculum is set up to follow a logical progression. Direction of the arrows is important for student success and must be followed in the direction given unless approved in writing by the Academic Variance Committee. If a student gets off the Honors Track, return to the Normal Track and proceed.



# Mathematics

## Math Literacy

Length of Class: Year  
Prerequisite: CRT scores and/or teacher recommendation  
Grade Level(s): 9

Class is designed to improve math skills in the areas of fractions, decimals, percents, integers, basic geometry and solving algebraic equations. The purpose of this class is to continue to develop these same skills on a more advanced level in order to prepare students for Algebra 1.

## Algebra-Prep

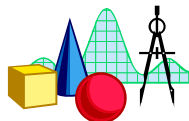
Length of Class: Year  
Prerequisite: Teacher recommendation and/or MAP score  
Grade Level(s): 9, 10

Provides a foundation for Algebra 1. Topics include solving equations, graphing linear functions, solving systems of equations, polynomial simplification, area, perimeter, introductory statistics, factoring and solving basic quadratic equations.

## Algebra 1

Length of Class: Year  
Prerequisite: Math Literacy, Alg. Prep. or Teacher Recommend.  
Grade Level(s): 9, 10, 11, 12

The course covers solving linear and quadratic equations, graphing linear functions, factoring, solving systems of equations, polynomial operations, problem solving, simplifying radicals and solving radical equations. **This course is required for graduation.**



## Algebra 1 Honors

Length of Class: Year  
Prerequisite: Teacher Recommendation  
Grade Level(s): 9

Must also have strong eighth grade teacher recommendation. Course covers all topics from Algebra 1 including functions, proof variation, nth roots, quadratic equations and functions. Topics are covered at a faster pace and problems are more difficult than in Algebra 1.

## Intermediate Algebra

Length of Class: Year  
Prerequisite: Algebra 1  
Teacher Recommendation Only  
Grade Level(s): 10, 11, 12

Must have teacher recommendation. This course allows students to gain a better understanding of algebra (covers topics from Algebra 1) while introducing students to basic geometry. Two quarters each of algebra and geometry are included.

## Geometry

Length of Class: Year  
Prerequisite: Successful Completion of Algebra 1  
Grade Level(s): 10, 11, 12

This course is designed to build on the basic geometric ideas learned in middle school math and Algebra 1 and will review algebraic skills as they apply to geometric concepts. Course will prepare students for the material they will encounter in Algebra 2/Trig.

## Applied Math

Length of Class: Year  
Prerequisite: Algebra 1  
Teacher Recommendation Only  
Grade Level(s): 11, 12

Course is designated with an emphasis on business math and is to provide students with skills needed for everyday living including personal finances, budgeting, taxes, banking, etc.

# Mathematics

## Algebra II/Trig

Length of Class: Year  
Prerequisite: Algebra I, Geometry  
Grade Level(s) 10, 11, 12

Course provides the background needed for the study of pre-calculus, physics and engineering. Topics include analyzing linear and quadratic equations, systems of linear equations and inequalities and their graphs, polynomial exponential and logarithmic functions, trig and its applications.

## Algebra II/Trig. Honors

Length of Class: Year  
Prerequisite: Algebra IH, Geometry  
(Teacher Recommendation)  
Grade Level(s) 10, 11

Course provides the background needed for the study of calculus, physics and engineering. Topics include an in-depth study of the algebra of relations, functions (polynomials, rational, exponential and logarithmic) and their inverses plus a comprehensive study of analytical trigonometry, trig. applications, systems of equations, inequalities, and conic sections.

## Algebra III

Length of Class: Year  
Prerequisite: Successful completion of Algebra II/Trig  
Grade: 12

This class will expand on the concepts learned in Algebra 2, including working with functions, polynomial equations and inequalities, graphing, trigonometry vectors and the conic sections. Algebra 3 will prepare students for a variety of college majors as well as college calculus.

## Survey of Mathematics:

Length of Class: Year  
Prerequisite: Intermediate Algebra or above with teacher Recommendation  
Grade (levels): 12

This course will allow students to review Algebra 1, Algebra II, and Geometry/Trigonometry concepts. This course will help prepare students with the skills needed to be successful when entering college math classes. Some topics included are absolute value equations and inequalities, systems of equations, right triangle trigonometry, and solving systems of equations.

## Analysis (Honors Math)

Length of Class: Year  
Prerequisite: Algebra II/Trig Honors  
(Teacher Recommendation)  
Grade Level(s): 11, 12

This course consists of the study of a variety of advanced mathematical concepts including vectors, parametric equations, matrices, logarithms, and limits. Includes working with trig and an introduction to differential calculus.

## AP Calculus

Length of Class: Year  
Prerequisite: Algebra II/Trig Honors  
Grade Level(s): 11, 12

This course is a study of a variety of topics from differential and integral calculus, including work with trig and analytic geometry. College credit is available for those who successfully complete the AP Calculus exam (student expense).

## Intro Stats

Length of class: Semester  
Prerequisite: Geometry  
Grade Levels(s) 11, 12

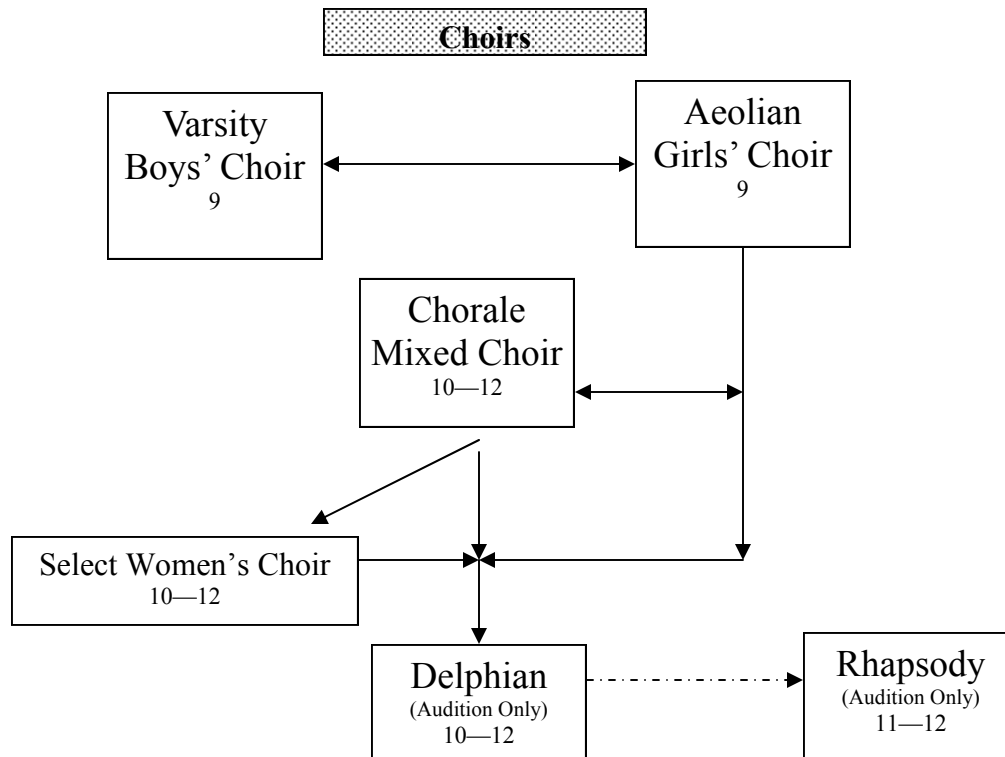
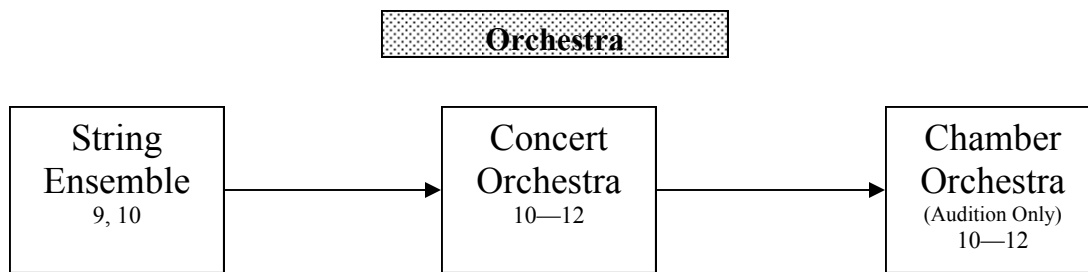
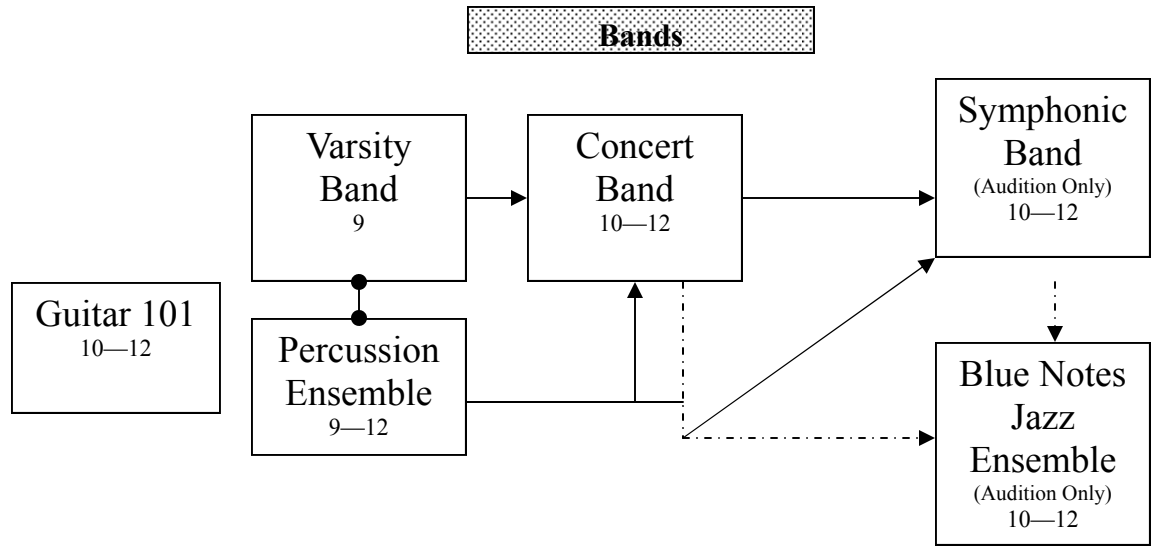
Course topics include interpreting data, normal distributions, correlation, least squares regression, sampling designs, experimental designs and probability.

## Honors Statistics (dual credit)

Length of Class: Year  
Prerequisite: Algebra II/Trig or Alg. I Honors and Instructor Permission  
Grade Level(s): 11, 12

All topics covered in the Intro class are covered as well as exponential and power regression, binomial and geometric distributions, Type I and Type II errors, Chi-Square Testing, T-tests and ANOVA. This course is faster paced than the intro class and will prepare students for the AP exam. **This is a dual credit class. To qualify for this option, students must meet math placement scores.** Students will receive four semester credits from MSU-COT and one high school credit. Tuition cost is divided between MSU COT and student.

# MUSIC DEPARTMENT



# Music

## (Fine Arts)

### *Aeolian Girls' Choir*

Length of Class: Year  
Prerequisite: Placement Test  
Grade Level(s): 9

A girls' choral group. Students will develop music theory, sight reading and musicianship skill. Vocal skills and performance will be emphasized. A wide variety of choral literature will be studied and performed.

### *Varsity Boys' Choir*

Length of Class: Year  
Prerequisite: None  
Grade Level(s): 9

This is an entry level choir designed for boys with minimal choral experience, which develops music theory, sight-reading and musicianship skills as well as vocal and performance abilities. This class will explore a variety of musical styles and time periods.

### *Chorale Mixed Choir*

Length of Class: Year  
Prerequisite: Placement Test  
Grade Level(s): 10, 11, 12

An intermediate choral group, which continues to build vocal, three-part choral technique and musicianship skills. A wide variety of literature styles is performed.

### *Select Women's Choir*

Length of Class: Year  
Prerequisite: Audition  
Grade Level(s): 10, 11, 12

An advanced women's choir for students with good vocal ability and musicianship skills. Emphasis is on building good tone quality, sight-reading, and the performance of a wide variety of choral music. There is limited travel.

### *Delphian Choir*

Length of Class: Year  
Prerequisite: Audition  
Grade Level(s): 10, 11, 12

This is a highly select ensemble. It is a versatile group, performing music from a variety of musical periods and genres. This ensemble travels and performs often representing Great Falls High School. Entrance into this choir requires a mastery of music theory, sight-singing and musicianship skills as well as excellent vocal and performance abilities.

### *Rhapsody in Blue*

Length of Class: Year  
Prerequisite: Audition & Delphian Membership  
Grade Level(s): 11, 12

This ensemble is derived from the Delphian Choir. Entrance into this choir requires a mastery of music theory, sight-singing and musicianship skills as well as excellent vocal and performance abilities. This ensemble is considerably smaller, making it ideal for chamber music and repertoire suited for ensembles of its kind such as jazz and quality popular music. There are additional time requirements and events for students in Rhapsody in Blue.

# Music

## (Fine Arts)

### **String Ensemble**

Length of Class: Year  
Prerequisite: Prior Orchestra Experience  
Grade Level (s): 9, 10

An entry-level orchestra which develops musicianship and rehearsal techniques. A variety of literature is presented with emphasis on developing technical skills.

### **Concert Orchestra**

Length of Class: Year  
Prerequisite: String Ensemble  
Grade Level (s): 10, 11, 12

An intermediate to advanced ensemble which continues to build technique and musicianship. Freshmen with advanced skills may request an audition. A variety of literature is presented.

### **Chamber Orchestra**

Length of Class: Year  
Prerequisite: Audition  
Grade Level (s): 10, 11, 12

For students with advanced string skills. A wide variety of literature is presented with emphasis on excellence in performance. This group represents Great Falls High School at various festivals and events throughout the year. Students must be highly committed and are encouraged to take private lessons. Sophomores with advanced skills may request an audition.

### **Guitar 101**

Length of Class: Semester  
Prerequisite: None  
Grade Level (s): 10, 11, 12  
(9 if space permits)

This is a beginner level guitar course. Topics will include note reading, playing chords and tablature. Students will play as a soloist and as a member of an ensemble. Many different playing techniques will be studied that encompass those used in classical to rock and roll guitar. Guitars are provided; however, students may use their own if they wish.



# Music

## (Fine Arts)

### **Percussion Ensemble**

Length of Class: Year  
Prerequisite: Required of all 9<sup>th</sup> grade percussion students, and an elective for grades 10-12, if they are also enrolled in Concert or Symphonic Band.  
Grade Level (s): 9-12

This class will explore basic percussion skills, including rudiments and accessory percussion skills, as well as working and playing through percussion ensemble literature. This class will also focus on marching band drum line techniques in the fall during football season. All 9<sup>th</sup> grade percussion students should enroll in this class and then will be assigned parts to play with the Varsity Band in concerts. Upperclassmen will perform in various ensembles throughout the year as part of the class.

### **Varsity Band**

Length of Class: Year  
Prerequisite: Prior Band Experience  
Grade Level (s): 9

Continues to build basic band skills learned in middle school. Will study a wide range of music along with emphasis on technical skills. A variety of band literature will be studied along with an emphasis on individual technical skills. Band students will also be members of the Thundering Herd Marching Band.

### **Concert Band**

Length of Class: Year  
Prerequisite: Varsity Band  
Grade Level (s): 10, 11, 12

Some freshmen with director permission may be allowed to take this class. Continues building music ensemble skills with an emphasis on technical skills as well as expanding into more advanced band literature. Students are also members of the Thundering Herd Marching Band in the fall.

### **Symphonic Band**

Length of Class: Year  
Prerequisite: Percussion Ensemble or Concert Band/Audition  
Grade Level (s): 10, 11, 12

Trains members to attain the highest standards in performance and artistic expression. The class contains numerous performances, festivals and tours so students must be highly committed. Students are also members of the Thundering Herd Marching Band in the fall and are encouraged to partake in small ensembles and to take private lessons.

### **Blue Notes Jazz Ensemble**

Length of Class: Year  
Prerequisite: Concert or Symphonic Band, and audition  
Grade Level(s): 10, 11, 12

Must audition. This is a highly selective big band jazz ensemble dedicated to the highest standards in jazz performance. There will be numerous concerts, festivals and tours so students must be highly committed. Membership is dependent upon a balanced instrumentation in all sections. Individual improvisation is stressed in class as well as performance techniques. Students must be a member of a regular concert band as well, except for piano, bass and guitar vacancies.



# SCIENCE

## Freshman Year

Foundations  
in Science

## Sophomore Year

Biology 1-2

## Third Year Science Credit Options

**Future Plans include:  
Technical School, Military  
or Entering the Workforce**

- Applied Physics (science or Career Technical credit)
- Biology 3-4
- General Chemistry
- General Physics
- Geology
- Holography (semester course)
- Physics for the 21st Century

**Future Plans include:  
Four-Year College**

- Applied Physics (science or Career Technical credit)
- Biology 3-4
- Honors Chemistry
- General Physics (intended for non-science majors)
- Math Physics (intended for science, engineering, medical majors—dual credit course)
- Geology
- Holography (semester course)
- AP Biology
- Honors Biology 5-6 (dual credit course)
- Advanced Chemistry (dual credit course)
- Physics for the 21st Century

# Science

## Foundations in Science

Length of Class: Year  
Prerequisite: None  
Grade Level (s): 9

This course investigates the interrelationships of the physical sciences. Topics covered include the chemistry of nature and changes of matter, foundational physics topics and earth and space science.

## Biology 1-2

Length of Class: Year  
Prerequisite: None (Foundations preferred)  
Grade Level(s): 10

This is a laboratory science based on the study of living things and investigates the basic principles of life and the structure of plants and animals. Specific topics in ecology, genetics, embryology, botany, taxonomy, biochemistry, anatomy and physiology are covered in depth.

## Biology 3-4

Length of Class: Year  
Prerequisite: Biology 1-2  
Grade Level(s): 11, 12

Biology 3-4 is designed to compliment sophomore biology by covering topics in microbiology, zoology and botany. In this course, students will participate in numerous labs including several dissections. **Individuals with an aversion to dissection should not consider this course.** Those students signing up for Biology 3-4 will be required to build an insect collection. Prerequisites for this course include having passed sophomore biology and the paying of a \$20 lab fee. Fee must be paid no later than September 30.

## AP Biology

Length of Class: Year  
Prerequisite: Biology-B or better average  
Grade Level(s): 11, 12

This course is an in-depth study of biology, which is equivalent to the first year of college biology. Students are expected to take the AP Biology examination.

## Honors Human Biology 5-6 (dual credit)

Length of Class: Year  
Prerequisite: A or B in Bio. 1-2, or Instructor Approval  
Grade Level(s): 11-12

**This class is offered as a dual credit college course from MSU-COT.** Students must meet placement scores in Math and English to qualify for dual credit option. Tuition fees are divided between MSU-COT and the student. Students will earn four college credits and one high school credit for the year. This laboratory-based course introduces students to the structure and function of the human body. Topics such as the fundamental principles in organic and inorganic chemistry, cellular metabolism, cellular anatomy, cellular biology and histology will be covered and subsequently applied to the physiology of the body as a whole. Systems to be covered in this course include integumentary, digestive, circulatory, lymphatic, immune, respiratory, urinary, nervous, sensory, musculoskeletal, endocrine and reproductive. **Dissection is a component of this course.** As such, those with an aversion to dissection should consider taking a different course. **There is a \$20 materials fee for this course.**

## Applied Physics

Length of Class: Year  
Prerequisite: Prep for Algebra/Biology/ Foundations of Science or Instructor Approval  
Grade Level(s): 11, 12

Applied physical science is one of the fastest growing curricular areas in the U.S. It is a lab based approach to the concepts of force, work, rate, power, resistance, and energy as they may apply in mechanical, fluid, electrical, and thermal systems. This is a team taught course, which uses both science and vocational facilities and materials. Labs vary from swimming pool to auto shop. **This course counts as either a career technical or science credit.** It also serves as a prerequisite (may be taken simultaneously) for Auto Tech.

# Science

## General Physics

Length of Class: Year  
Prerequisite: Alg. 1 & a C Average  
Grade Level(s): 11, 12

Course for students who plan to continue their education post graduation, but not necessarily as a science major. Topics include motion, forces, energy, waves, light electricity, magnetism and nuclear physics. Emphasis is on conceptual understanding with less math than Math Physics.

## Math Physics (dual credit)

Length of Class: Year  
Prerequisite: Alg. II/Trig & a C Average or instructor permission  
Grade Level(s): 11, 12

**This class is offered as a dual credit college course from Mt. Tech in Butte.** Students will earn eight college credits and one high school credit. Tuition fees are divided between Montana Tech and the student. Course is intended for students who plan on majoring in science or science related field in college. The first semester covers classical mechanics and the second semester covers electricity, magnetism and modern topics such as relativity.

## Holography

Length of Class: Semester  
Prerequisite: Algebra & a C Average  
Grade Level(s): 11, 12

Course combines the topics of waves and geometric optics with laser technology. Students produce and investigate the impact of lasers and holograms on society from light wave communication to laser surgery. \$40.00 lab fee.

## Geology

Length of Class: 1 year  
Prerequisite: Foundations in Science  
Grade Level(s): 11, 12

Learn about Montana's geologic history and how geologic processes have created the spectacular scenery that makes Montana unique. From the rolling plains of eastern Montana to the rugged mountains in the west, this course will discuss various aspects of historical and physical geology. Includes meteorology and some basic astronomy.

## Physics for the 21<sup>st</sup> Century

Length of Class: 1 year  
Prerequisite: Alg. I (C Avg.) and Found in Science (C Avg.)  
Grade Level(s): 10, 11, 12

This is a hybrid course using an online text, video segments and simulations within class discussion and laboratory experiments to investigate modern physics topics such as sub-atomic particle physics, atomic and molecular physics, cosmology, special relativity, curved space and black holes.

## General Chemistry

Length of Class: Year  
Prerequisite: Algebra I and a C average  
Grade Level(s): 11, 12

Lab-based course for students wishing to develop a better understanding of chemistry and its applications in society. Students are introduced to the basic theories of chemistry and its effect on our environment and health. Emphasis is placed on concept development through lab experiments. This is not to be considered a preparatory class for college bound students.

## Honors Chemistry (Dual Credit)

Length of Class: Year  
Prerequisite: Algebra I with a C or better  
Grade Level(s): 11, 12

Comprehensive laboratory-based course with an emphasis on problem solving and hands-on learning. It is designed to prepare students wishing to pursue a career in science, medicine or other health related fields. Students use experimentation and data analysis to develop an understanding of the basic principles and theories of chemistry. This is a dual credit course with the University of Great Falls. Students will earn four college credits and one high school credit. **There is a \$20 lab fee for this course.**

## Science

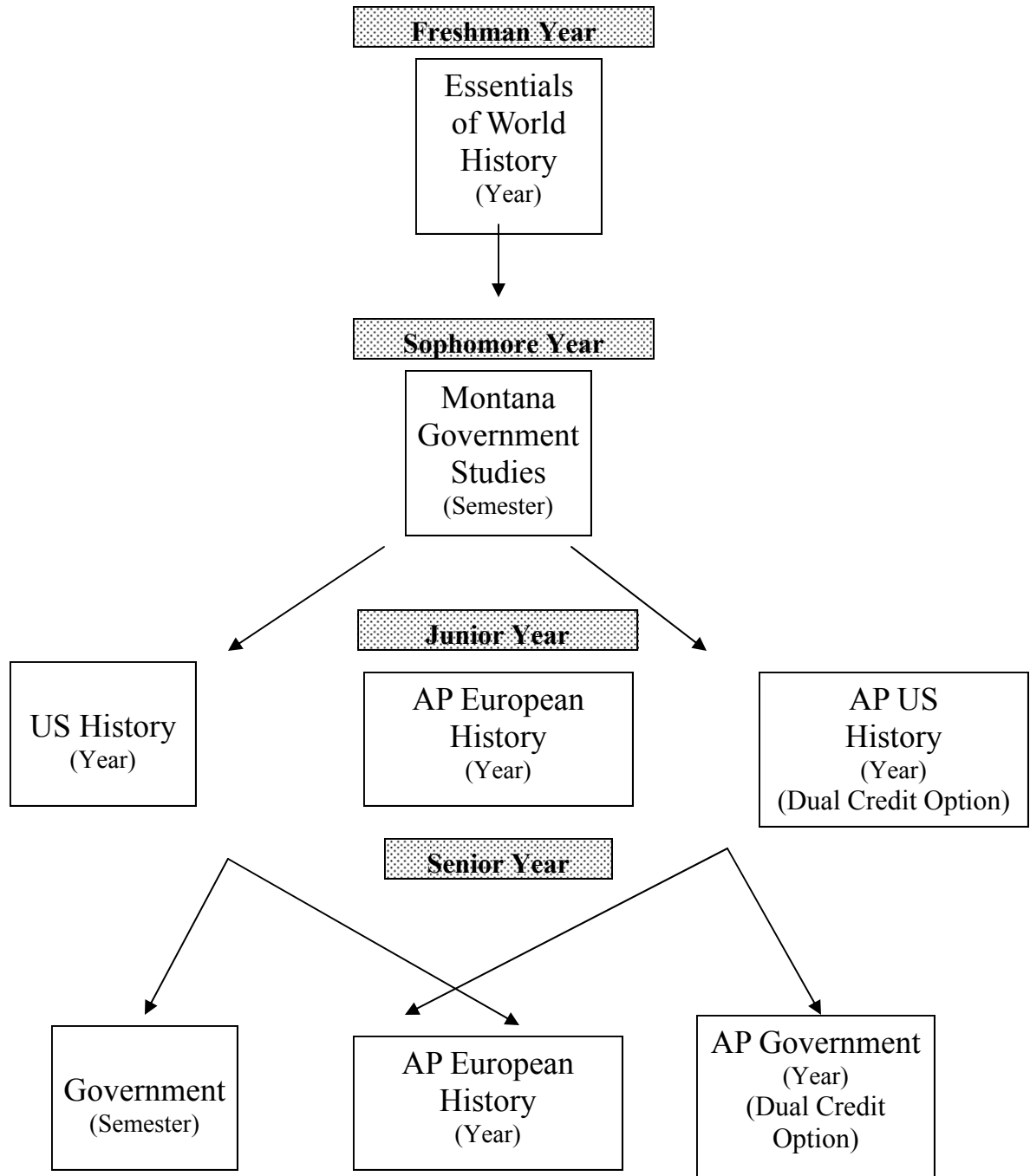
### Advanced Chemistry (dual credit)

Length of Class	Year
Prerequisite:	Honors Chem or Gen Chem with Instructor Permission
Grade Levels:	11, 12

**This class is offered as a dual credit college course from Mt. Tech in Butte.** Tuition fees are divided between Montana Tech and the student. Students will earn eight college credits and one high school credit. It combines course content for organic, inorganic, and biochemistry. It is a laboratory-based course with emphasis on lab techniques, problem solving and instrumentation. Lectures are used to help students understand reaction mechanisms, predict experimental results, and to provide an in-depth study of electrochemistry, acid base chemistry, reaction rates and quantum theory. Students are instructed in proper research methods and various instrumentation methods found in research laboratories. **There is a \$20 lab fee for this course.**

# SOCIAL STUDIES

The chart below shows the series of classes necessary to complete the three credits in Social Studies required to graduate.



# Social Studies

## Essentials of World History

Length of Class: Year  
Prerequisite: None  
Grade Level: 9

The first semester of the course will examine European history, and the second semester will cover Asia, Africa, and South America. Geography is also included.



## Montana Government Studies

Length of Class: Semester  
Prerequisite: None  
Grade Level: 10\*

\*Ninth graders may take this class if they have met the following criteria:

- 3.0 GPA
- Special Permission (Academic Variance Approval)
- Scheduled in after 10<sup>th</sup> graders if space is available

This class includes a study of Montana geography, climate and demographics. A large history section covers Lewis and Clark, fur trappers, Indian removal, mining, ranchers, homesteaders, the Copper Kings, and early government. Government units cover local state, and tribal jurisdictions. Throughout the semester, readings by Montana authors or about famous Montanans are used. Students will be required to cover current event topics for the length of the class. This class is also offered online.

## US History

Length of Class: Year  
Prerequisite: None  
Grade Level(s): 11

Provides a survey course of major events in United States history from the colonial period to modern times.

## AP US History (Dual Credit)

Length of Class: Year  
Prerequisite: None  
Grade Level(s): 11, 12

This class provides a study of the political, diplomatic, social, economic, and cultural history of the US from colonization to the present with an emphasis on the causes and effects of major events. **Students will have the option of either taking the class for dual credit with MSU-COT or the University of GF OR taking the AP exam in the spring.** There will be a fall and spring semester sign-up for the dual credit with MSU-COT where students will earn three college credits each semester. Tuition fees are divided between the participating university and the student. Students must take either US History or AP US History to fulfill graduation requirements.

## Government

Length of Class: Semester  
Prerequisite: None  
Grade Level(s): 12

Provides a study of American government, including the political process, national government, comparative political systems, and state and local governments.

# Social Studies

## *AP American Government (dual credit)*

Length of Class: Year  
Prerequisite: None, 3.3 GPA recommended and keen interest in politics  
Grade Level: 12

Students in this class should have the ability to write and enjoy researching and discussing. This course examines the major institutions of national government and politics with a special emphasis on the Constitution and other political rules of the game as shapers of public consciousness and government policy. Lecture material will be presented in conjunction with discussion of topics.

Students will be required to demonstrate their analytical and critical thinking skills through essay assignments and briefs of two -four court cases. **Students will have the option of either taking the class for dual credit with MSU-COT or the University of Great Falls - or taking the AP exam in the spring.** Tuition fees are divided between the participating university and the student. Students may earn three college credits through UGF or MSU-COT and one high school credit. Students must pass the first semester to earn the required Government credit for graduation.

## *AP European History*

Length of Class: Year  
Prerequisite: None  
Grade Level(s): 11 (with instructor permission only), 12

Provides a study of the political diplomatic, social, economic and cultural history of Europe from the Renaissance to the present. Students are expected to take the national AP examination given each May.



## Other Programs/Electives

### *Intro to Journalism (elective)*

Length of Class:	Semester
Prerequisite:	none (2.5 GPA recommended)
Grade Level(s):	9, 10, 11, (12 w/instr. perm)

Students must have an interest in media, current events, publishing and composition. They must possess proficient computer skills such as keyboarding and word processing. Self-motivation, good time management abilities and a positive work ethic and attitude are characteristics of candidates for this introduction to journalism course. Student will be accountable for building a portfolio of their work for evaluation.

This course surveys all of the elements comprising the journalism and publishing process:

- Copy writing and editing and journalistic style
- Basic digital photography
- Graphic design and layout
- Desktop publishing emphasizing InDesign, and Photoshop software
- Advertising sales
- Press law and ethics
- Journalism history
- Exposure to the work of professional journalists, photographers and designers
- Leadership and team work strategies

### *Newspaper Workshop (Career Technical)*

Length of Class:	Year
Prerequisite:	Intro to Journalism &/or instructor permission
Grade Level(s):	10, 11, 12 (9 w/ permission from instructor)

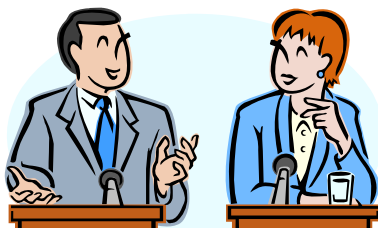
This course fulfills the career technology credit and may be taken for one or two periods per day; each hour is 0.50 credit per semester.

Students must have an interest in media, digital technology, current events, publishing and the composition processes and public relations and/or business practices. This workshop places students in individual staff positions with outlined job responsibilities based upon student applications. Editors and staff must publish several issues of the newspaper, "The Iniwa," throughout the school year.

Student must demonstrate self-motivation, completing specific job tasks independently or within a group dynamic. They must understand the time commitment in that before and after school time is mandatory. Staff members must show an ability to articulate ideas and problem-solve. It is highly recommended for editors to schedule into two sequential periods.

These student staff members demonstrate these characteristics: observance of details, sincerity, the ability to listen critically and then, articulate concepts, integrity, leadership, reliability, truthfulness, honesty, diversity and dedication to the objective of publishing the newspaper in a responsible and ethical manner.

Students will account for their work by building an e-portfolio, and they will participate in a semester exit interview.



## Other Programs/Electives

### **Yearbook Workshop (Career Technical)**

Length of Class:	Year
Prerequisite:	Intro to Journalism &/or instructor permission 2.5 GPA recommended
Grade Level(s):	10, 11, 12 (9 w/permission from instructor)

This course fulfills the career technology credit requirement and may be taken for one or two periods per day; each hour is 0.50 credit per semester.

Students must have an interest in media, digital technology, current events, publishing and the composition processes and public relations and/or business practices. This workshop places students in individual staff positions with outlined job responsibilities based upon student applications. Editors and staff must meet, with no hesitation, the four plant deadlines set by the professional yearbook company. This results in the mandatory distribution of the "Roundup" in May.

Students must demonstrate self-motivation, completing specific job tasks independently or within a group dynamic. They must understand the time commitment in that before and after school time is mandatory. Staff members must show an ability to articulate ideas and problem-solve. It is highly recommended that editors schedule into two sequential periods.

These student staff members demonstrate these characteristics: observance of details, sincerity, the ability to listen critically and then, articulate concepts, integrity, leadership, reliability, truthfulness, honesty, diversity and dedication to the objective of publishing the yearbook in a financially sound, responsible and ethical manner.

Students will account for their work by building an e-portfolio, and they will have a semester exit interview.

### **Psychology I (elective)**

Length of Class:	Semester
Prerequisite:	None
Grade Level(s):	11, 12

A study of the beginning principles of psychology and how they apply to everyday life. Theorists such as Freud and topics including dreams, learning, memory, personality, intelligence, and psychological disorders will be covered. Class will revolve around class/group discussions; notes, projects. Five hours of volunteer/community service will be required.

### **Psychology II (elective)**

Length of Class:	Semester
Prerequisite:	Psych I or Instructor Approval
Grade Level(s):	11, 12

Students will study theories of motivation, emotion, development, social psychology, and positive psychology, along with their applications to everyday life. Class will revolve around class/group discussions, notes, in-class journals, and self-selected projects.

## Other Programs/Electives

### Vocabulary (elective)

Length of Class: Semester - Year  
Prerequisite: None  
Grade Level(s): 11, 12

Vocabulary Development helps students expand their word base, prepare for SAT/ACT verbal tests, and create a framework for developing vocabulary in years to come. The course examines root stems, prefixes, suffixes, etymologies, frequently-used foreign words, idioms, and derivatives. Topical reading, serendipitous verbal gifts gleaned from daily events, and interesting word histories complement fixed lists of words to master. Vocabulary Development is not a memorization factory (although memory does help), but rather a means to understanding the underlying systems of words and their meanings. Students who are taking the class for the first time have preference if class fills.

### Street Law (elective)

Length of Class: Semester  
Prerequisite: None  
Grade Level(s): 12

A course taught jointly by the Great Falls Police department and the GFHS staff giving students an understanding of their legal rights and responsibilities and a realistic view of the law. Students will experience many hands-on activities as well as numerous guest speakers from the local law enforcement and legal community. **A ride-along and weekly current events are part of this requirement and are mandatory. Students must pass a background check to enroll.**

### Exceptionality (elective)

Length of Class: Semester - Year  
Prerequisite: Mandatory, written approval by teachers  
Grade Level(s): 11, 12

Students will receive instruction in techniques of working with and learning about students in the high school with disabilities. Students are expected to attend regularly, be advocates for the students, maintain appropriate interactions, model good behavior and social skills, and complete required assignments.

### Humanities (elective)

Length of Class: Semester - Year  
Prerequisite: An interest in the arts, the evolution of cultures, history, and philosophy  
Grade Level(s): 11, 12

This course invites students who are interested in pursuing and extending knowledge of world cultures, specifically in the areas of philosophy, literature, religion, art and architecture, history, war and theater. The class involves discussion, presentation, and a project component that potentially reinforces some major project from another class. Students must naturally have some skill at practical research and reflection, but will largely explore the humanities through creative exercises, readings, and by attending school and community events.

The course begins with the earliest studies of human civilizations (prehistoric and ancient Western cultures) and focuses on Eastern and African cultures later in the year. It is recommended students enroll for the entire year, but students who choose only one semester of Humanities are entirely welcome.

### Bison Buddy (elective)

Length of Class: Year  
Prerequisite: Interview with Big Brothers/ Big Sisters Program  
Grade Level(s): 10, 11, 12

Bison Buddies is a volunteer mentor program offered in conjunction with the Big Brothers/ Big Sisters Organization. Twice a week for an hour a high school student meets with an elementary student. Together they work on academics and/or provide social recreation. Bison Buddy students need to have good attendance and references and must complete an application and be interviewed to be accepted into the program. Students also need to provide their own transportation to the elementary school to which they are assigned. **Students receive no credit for this course and must have seventh period open.**

## Other Programs/Electives

### **STAT**

Length of Class: Semester -Year  
Prerequisite: Referral  
Grade Level(s): 9, 10, 11, 12

This class is designed to aide 9<sup>th</sup> through 12<sup>th</sup> graders in finding a pathway to success. Individual goals are discussed and a plan is designed for each student. The goal of STAT is to assist 9<sup>th</sup> grade students in earning five credits their freshman year. An additional goal is to assist 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> grade students in earning the appropriate credits to graduate from Great Falls High School. Students are admitted to STAT after criteria has been approved by administration, counselors and the STAT teachers. Credit may be granted at the end of each semester if the student fulfills class expectations.

### **Video Production I (Fines Arts or Career Technical)**

Length of Class: Semester  
Prerequisites: None  
Grade Level 10, 11, 12

Video I focuses on both the artistic and practical aspects of filmmaking. Students will analyze camera shots and movements, editing techniques, story structure, story boards and a few films. Once concepts have been explored, students will produce their own short films.

### **Video Production II (Fine Arts or Career Technical)**

Length of class: Semester  
Prerequisite: Video Production  
Grade Level 10, 11, 12

Video II will expand upon the basics learned in Video I. Video II students will produce a series of projects of their choosing. Each student will determine his or her own daily agenda and work individually on his or her project. Video II students will also have the opportunity to assist and instruct Video I students. The course is workshop and portfolio based.

