

Capital High School



2021-2022

Registration Guide

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Purpose of Registration Guide

To Our Capital High School Students, Parents and Guardians:

This booklet is designed to help our students and their parents select proper courses for the coming year. Please read it carefully. Students should talk over concerns with their parents/guardians, counselors, and teachers. It is important students select courses in the fields of their aptitudes, interests and capabilities. The courses that are selected now will, in large measure, determine what students will do later. Students who plan on going to college should take courses to meet the general requirements for specific colleges or universities of their choice.

The enrollment of Capital High School for the year **2021-2022** will be over 1350 students in grades 9, 10, 11, and 12. It is necessary that all students intending to attend next school year complete their registration on time in order to secure the necessary teachers, order supplies, create a master schedule, equalize class sections, and utilize time and building space to the maximum degree of efficiency.

This booklet explains Capital's graduation requirements, required courses and course content. After the course outline is carefully studied, the student, with his or her parents/guardians, should fill out the registration form. Students will be scheduled for the year according to their completed registration.

Please make selections very carefully. Changes in registration will be permitted only in response to a need by failure to receive a passing grade in a course or because of very unusual circumstances that may develop. Students should select full-year courses with care and should realize that full-year courses may not always be dropped at semester time.

Graduation Requirements

Students who complete the course requirements listed below **and** earn a minimum total of 23 credits will meet the requirements for graduation.

Course Type		Credits Required
ENG	English	4.0
SST	World Cultures	1.0
USH	US History	1.0
AMG	American Government	1.0
SCI	Science	2.0
MTH	Mathematics	3.0
HP	Human Performance	1.5
HE	Health Enhancement	0.5
FA	Fine Arts	1.0
VOC	Career and Technical Education	1.0
ELE	Electives*	7.0
Total Credits Required		23.0

**Elective credits may be earned in classes from all content areas, including SCI, MTH, FA, VOC, etc.*

Course Request Information

NORMAL CLASS LOAD

- **Freshmen & sophomores** need to be enrolled in **seven (7) periods per day**, with at least six (6) credit-bearing classes. One period may be a study hall. Students who choose to take seven credit-bearing classes need to consider the time required to work on those classes after school hours. Freshmen & sophomores may request to start zero period (7:25 a.m.) or 1st period (8:20 a.m.).
- **Juniors & seniors** must register for at least **six (6) credit-bearing classes** and may elect to take a study hall for a seventh class. Juniors and seniors may request to start classes zero period (7:25 a.m.), 1st period (8:20 a.m.) or 2nd period (9:15 a.m.).
- All bus students start 1st period.
- Any student who completes the day before 3:15 p.m. must leave the building or enroll in a study hall.

COURSE CREDITS & PREREQUISITES

- Full-year subjects such as English, American History, PE, etc. will receive one (1.0) credit per year.
- Semester subjects such as Psychology, Special Topics, etc. will receive a half (.5) credit.
- Credits are noted next to each course title as 1.0 or .5.
- **Course prerequisites/instructor verifications are noted at the end of each course description.**
- While a student may have fulfilled prerequisites/verifications, the availability of staff will determine the number of students finally enrolled in a class.

MAKING UP REQUIRED COURSES

- Students must register for required courses before they request elective courses.
- When a student fails the 1st semester of a required course, the student must register for the class for next year during the spring registration for the next year. **-OR-**
- A student can register for the Credit Recovery class with his/her counselor's permission.
- A student who receives a **D** in any **math course** is advised to repeat the course.
- Students who successfully complete a summer school make-up course for the failed semester can request a schedule change after summer school is completed and a passing grade is earned.

SETTING THE CHS COURSE SCHEDULE & CHANGING STUDENT SCHEDULES

- Scheduling at CHS is based on student course requests.
- All students request courses for the next year, but some courses may not be available for next year due to scheduling conflicts, lack of requests for the course, or staffing issues.
- Changes in registration will be permitted when necessary to fulfill graduation requirements, correct an enrollment error, or if another very unusual circumstances develop.
- Students should select full-year courses with care and should realize that full-year courses may not always be dropped at semester time.
- Students have **the first two weeks at the beginning of each semester to drop/add classes** with the appropriate signatures (parent/guardian and/or teachers) without receiving a Withdraw Fail (**WF**).
- A student who is withdrawn or dropped from a class two weeks or more after the beginning of a semester will have a **WF** recorded on the student's permanent record. Extreme circumstances may be appealed to the administration.
- Administration, parent and teacher approval is required to **WF** any class.

Course Request Information

Signature on Registration Form Required <i>Signature indicates the student had a discussion with that teacher.</i>		Application Required	
1101 English 1 Honors (commitment form)		1460 Yearbook	
1201 English 2 Honors (commitment form)		1462 Yearbook 2	
3100 Algebra I		4101 Earth and Space Science Honors	
3101 Mathematics 1 Honors		4201 Biology 1 Honors (grade 9 only)	
3200 Geometry		4400 Physics (grade 9 only)	
3201 Mathematics 2 Honors		4421 Science Seminar	
3300 Algebra II		8140 Library Media Tech	
3302 Contemporary Math		8260 Peer Mentoring	
3356 Technical Math		9351 Health Careers Exploration	
3400 Pre-Calculus		Audition and Signature Required	
3301 Pre-Calculus Honors		6371 Jazz Ensemble	
3401 AP Calculus AB		6410 Intermediate String Orchestra	
3405 AP Calculus BC		6420 Advanced String Orchestra	
3440 College Algebra		6560 Jubilettes	
3441 Statistics		6570 Saturday’s Children	
3442 Statistics AP		6571 Jazz Choir	
4101 Earth Science Honors		6710 Theater 2	
4201 Biology 1 Honors		6720 Theater 3	
4400 Physics (Grade 9 Only)		Financial Assistance for Course Fees: Financial assistance for some fees is available to families with documentation of financial need, as determined by eligibility for free/reduced meals. If assistance is needed, please visit with the CHS bookkeeper, in the Main Office.	
4306 Biology AP (Grade 10 ONLY without Bio 1 Pre-Req)			
9300 Unified PE			
9402 Lifetime Sports S1			
9403 Lifetime Sports S2			
9016 Foundational Fitness			
Courses with Fees			
Course Name	Amount	Course Name	Amount
3356 Technical Math	\$20/Year	6271 Science & Art of Photography	\$40/ Year
4300 Biology 2	\$30/Year	7100 Industrial Tech	\$35/Year
4306 Biology AP	\$30/Year	7170 Carpentry 1	\$35/year
4421 Science Seminar	\$175/Year	7190 Carpentry 2	\$35/Year
6110 Art 1	\$20/ Year	7173 Carpentry 3	\$35/Year
6120 Art 2	\$25/Year	7210 Auto 1	\$80/Year
6130 Art 3	\$30/Year	7220 Auto 2	\$80/Year
6140 Art 4	\$30/Year	7203 Auto 3	\$80/Year
6150 Design Application 1	\$20/Year	7230 Welding 1	\$35/Year
6160 Design Application 2	\$20/Year	7240 Welding/Machining 2	Own Materials
6170 Design Application 3	\$20/Year	7250 Welding 3	Own Materials
6210 Ceramics 1	\$30/Year	7255 Machining 3	Own Materials
6220 Ceramics 2	\$30/Year	7535 Culinary Arts 1-2	\$40/Year
6250 Photo 1	\$20/Year	7540 Culinary Arts 3	\$40/Year
6260 Photo 2	\$20/ Year	9402 Lifetime Sports	\$100/ Sem.

Honors & Advanced Placement Courses

GPA STATUS FOR GRADUATION WITH HONORS

Honors Recognition

Summa Cum Laude

Magna Cum Laude

Cum Laude

Grade Point Average Required

3.900-4.000

3.750-3.899

3.500-3.749

HONORS & ADVANCED PLACEMENT (AP)

Capital High School offers a variety of dual credit, honors and Advanced Placement (AP) classes in a number of subject areas. The honors courses are offered for the student who has a strong aptitude in that particular subject area and is willing to accept and work on a rigorous course curriculum. In addition to the course work during the school year, students who will be taking honors and AP classes will receive a summer assignment that must be completed prior to the first day of school. All dual credit courses count as both high school and college credit. The courses are taught on the campus of Capital High School. Students are responsible for college registration, cost of tuition and fees. Students must be at least 16 years old to qualify for college credit.

It is recommended that students take honors courses beginning their freshman year in order to be eligible for upper level honors and AP courses. However, students may elect to try an honors or AP course in the sophomore year or beyond, even if they have not taken a course prior to that year.

AP courses are taught on a prescribed curriculum meant to simulate a college course, with all the rigor and expectations of a college course. Near the end of the course, a student may elect to take a national AP exam for a fee that could earn college credit for the student. Students may take an AP exam in any subject, even if they have not taken the AP course for that exam.

It is always recommended that the student and the family work with the student's counselor to work out a schedule that meets the academic needs of the student and sets the student up for success in his/her academic endeavor. It is not recommended by Capital High School that a student take more than three honors or AP classes in a given year. If a student wishes to take more than three honors or AP classes in a year, it is strongly recommended the student and the family meet with the counselor for a discussion.

HONORS COURSES: Please turn to the specific department for course descriptions.

Biology 1 Honors	English 2 Honors	Math 2 Honors
Earth Science Honors	Math 1 Honors	Pre-Calculus Honors
English 1 Honors		

AP COURSES:

These rigorous courses are offered on the Capital High campus. Students pay approximately \$95 to take the AP test in the spring. The test is scaled from 0-5. The university determines the level of achievement for credit and type of credit (required or elective) awarded. The following courses are the AP options:

American Government AP	Chemistry AP	Human Geography AP
American History AP	Computer Science AP	Physics 1 AP
Art History AP (HHS)	English 3 AP (Lang & Comp)	Physics 2 AP
Art Studio AP (HHS)	English 4 AP (Lit & Comp)	Spanish 5 AP
Biology AP	Environmental Science AP	Statistics AP
Calculus AP	European History AP	

Dual Credit Opportunities

The following courses are taught at Capital High School and are offered for dual credit through our partner institutions. Students are required to fill out a separate application and course registration for the college credit portion of the class. Counselors will present registration information at the start of each semester, and it is the student's responsibility to meet all of the college's deadlines and test score requirements, as well as to pay fees if required.

CHS/Helena College Dual Credit Offerings**				
Helena College Course		Credits	CRN	CHS Course
WRIT 101	College Writing	3	1457	WRIT 101 College Writing
LIT 110	Intro to Literature	3	1458	English LIT 110
WRIT 121T	Technical Writing	3	1459	Intro to Technical Writing
COMX 111	Intro to Public Speaking	3	1422	Speech
M 105	Contemporary Math	3	3302	Contemporary Math
M 111T	Technical Math	3	3356	Technical Math
M 121	College Algebra	3	3440	College Algebra
M 151	Pre-Calculus	4	3400	Pre-Calculus
M 151	Pre-Calculus	4	3301	Pre-Calculus Honors
M 171	Calculus I	4	3402	AP Calculus AB
M 172	Calculus 2	4	3405	AP Calculus BC
STAT 216	Intro to Statistics	3	3441	Statistics
ACTG 101	Accounting Procedures	3	7370	Accounting 1
CAPP 154	MS Word	3	7360	MS Word/Access
CAPP 156	MS Excel	3	7361	MS Excel/PowerPoint
MCH 234	CNC Milling Operations 1	4	7250	Machining 3
WLDG 112	Cutting Processes	1	7250	Welding 3
AUTO 104	Automotive Mechanics	3	7203	Auto 3

** Dual credit course offerings are dependent on staff with dual certifications. Classes offered for dual credit could change if staffing changes occur and no dual certified teachers are available.



"One-Two-Free" offers two free dual enrollment courses, up to six credits, through the Montana University System (MUS) to all eligible high school students. Dual enrollment allows high school students to take 100 and 200 level college courses on campus, online, or in their high school. Students can explore a wide range of content including academic core and workforce courses. For more information, [click here](#).



- The program offers eligible high school students their first two classes free, up to six credits.
- After that students pay the discounted dual enrollment tuition rate of 50% the two-year institution's tuition (on average \$51/credit).
- Students that demonstrate need can apply for a hardship scholarship to cover tuition beyond their first two courses/six credits.
- One-two-free applies to any lower division dual enrollment course from a participating institution, whether it is online, on campus, or in the high school.

Dual Credit Opportunities

All dual credit courses count as both high school and college credit. The courses are taught on the campus of Capital High School. Students are responsible for college registration, cost of tuition and fees. **Students must be at least 16 years of age or enrolled in grade 11** and meet course qualifications.

All Math courses require an additional placement form. Students are recommended to have a B or better in the pre-requisite math course when taking for college credit. ACT Math scores can also be used to prove proficiency for placement in a dual credit math course.

When you request a dual credit course, an application will be emailed to you to complete to be eligible for college credit.

Students who drop a dual credit course once the semester has started are required to drop at both CHS and the corresponding college. Failure to drop at the college will cause the student to be responsible for paying the course fees, and the failure will be reflected on the Helena College transcript.

Dual Credit Math Pathways			
Pairing Your College Plans of Study with the Appropriate Math Class			
CHS Dual Credit Classes			
M151 Pre-Calculus/M171 Calculus	M121 College Algebra/STAT 216 Statistics	M111 Technical Math	M105 Contemporary Math
College Fields of Study			
STEM Fields	Social Sciences	Trade Programs	Fine Arts
Hard Sciences	Business	Certificates	Liberal Arts
Bench Sciences	Nursing/Allied Health		
Medical Fields			
Engineering			
Math			

Eligibility for dual credit offerings is based on test scores. If a student does not hit the MUS System cut scores on the ACT, he/she will then need to take the Accuplacer test at Helena College for \$15 to determine qualification for the course(s). Students can always opt to take the courses for high school credit only.

Dual Credit Opportunities

CARROLL COLLEGE

Early Access

The Carroll Early Access program provides an authentic, on-campus college experience for local Helena students tuition-free. High school juniors and seniors may take up to two classes per semester from the [approved course list](#). Most courses are three credits, but those that offer a lab component will be four credits. Classes will be taught by Carroll's outstanding professors, and high school students will learn alongside current Carroll students on Carroll's campus. Students who complete the courses will receive Carroll College credits, which can be used at Carroll to pursue a future degree or be transferred to another institution. While tuition is free, there is a nominal \$60 student fee per semester, and some classes have an additional course fee (such as labs) to cover supplies. In addition to these fees, students are responsible for the purchase of their own books and supplies. Families are responsible for student's transportation to and from campus.



MONTANA DIGITAL ACADEMY: DUAL CREDIT OFFERINGS

The Montana Digital Academy offers dual credit courses through various Montana University System Institutions. Students are responsible for the technology component to ensure success in the online learning environment. They are also responsible for college registration, cost of tuition and fees. Students should visit with their counselor for more information or visit <http://montanadigitalacademy.org/montana-university-system-dual-credit-information/>.



<http://apprenticeship.mt.gov/>

CHS Courses			CHS Activities/Certifications		
Course #	Course Name	Max Hours	Additional Hours That Can Be Earned at CHS		
7100	Industrial Tech	150		OSHA 10	10
71702	Carpentry 1	300		SkillsUSA	30
7190	Carpentry 2	300		NAHB	30
7173	Carpentry 3	300	Total Hours Earned at CHS		
			1670		
7410	Drafting 1	150	Supplemental Dual Credit Courses		
7163	Drafting 3-Architectural	150	1459	Technical Writing	150
7230	Welding 1	150	3356	Technical Math	150
Total Classroom Hours		1600	Max Potential Hours at CHS		
			1970		

Typical Electrician Apprentice Pay Scale			
1 st Band	0-1000 Hours	\$18/Hour	or 40% of Journey Worker Wage
2 nd Band	1001-2000 Hours	\$22.5/Hour	or 50% of Journey Worker Wage
3 rd Band	2001-3500 Hours	\$27/Hour	or 60% of Journey Worker Wage
4 th Band	3501-5000 Hours	\$31.50/Hour	or 70% of Journey Worker Wage
5 th Band	5001-6500 Hours	\$36/Hour	or 80% of Journey Worker Wage
6 th Band	6501-8000 Hours	\$40.5/Hour	or 90% of Journey Worker Wage
Journeyman	8000 hours completed	\$45/Hour	

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Special Recognitions

CHS B.E.A.R. AWARD

Capital High School honors those students who go beyond the required course load for graduation by taking honors, Advanced Placement and accelerated college preparation classes while maintaining a 3.5 grade point average. The Bruin Educational Achievement Recognition (B.E.A.R.) is awarded to graduating seniors who have achieved the following:

1. Taken 10 or more honors, Advanced Placement, and/or accelerated credits receiving a minimum of a B letter grade (after 8th semester).
2. Earned at least 7 of the 10 credits in following core departments: English, Math, Social Studies, Science, or Foreign Language.
3. Taken all required classes necessary for graduation.
4. Graduate with a minimum of 26 credits.
5. At the time of graduation have a minimum cumulative G.P.A. of 3.5.
6. No outstanding past or current disciplinary problems determined at the discretion of the Helena School Board through the day of graduation.
7. Involved in at least 2 school related activities.
8. Complete application for the B.E.A.R. award fall of senior year.

The following courses qualify for the B.E.A.R. and may only be counted once:

English	Sciences	Fine Arts-Continued
English 1 Honors	Earth Science Honors	Advanced String Orchestra (Chamber)
English 2 Honors	Biology 1 Honors	Jubiletttes
English 3 AP Language & Composition	Biology AP	Saturday's Children
English 4 AP Literature & Composition	Chemistry AP	Jazz Choir
English 4 College Writing & Literature	Physics	Music Theory Careers Prep
	AP Physics 1	Theater 3
Social Studies, History, & Gov't	AP Physics 2	Career & Technical Education
World Cultures Honors	Science Seminar	Carpentry 2
American History AP	Environmental Science AP	Carpentry 3
American Government AP	World Languages	Auto Technology 2
European History AP	French 3 Honors	Advanced Auto Skills & Tech 3
Economics AP	French 4	Welding 3
Human Geography AP	Spanish 4	Machining 3
Mathematics	Spanish 5 AP	Accounting 2
Math 1 Honors	German 4	Accounting 3
Math 2 Honors	Fine Arts	MS Office Word/Excel
Pre-Calculus Honors	Art 4	MS Office Access/PowerPoint
AP Calculus AB	Design Application 3	Marketing Management
AP Calculus BC	Art History AP	Health Careers Exploration
Statistics AP	Symphonic Winds	
Computer Science AP	Jazz Ensemble	Accredited College Course (S1 & S2)

Special Recognitions

HEF DISTINGUISHED SCHOLARS AWARD



Distinguished Scholars are selected on the basis of criteria developed by students, teachers and administrators, including GPA, number of high-level courses, total credit hours, and activities. For up to date information and eligibility rules, visit www.hefmt.org/celebration-of-excellence/.

Qualifications for Distinguished Scholars

Students must have a minimum of 12 credit hours of honors, AP, accelerated or college-level classes (eligible dual credit courses as listed) and a 3.7 GPA at the end of the 7th semester in order to qualify as a Distinguished Scholar. Credits for non-core classes are limited to 2 credits of advanced study per area, such as music, art, language, etc.

Criteria starting with the class of 2021; the total credits at 7 semesters rises to 24, while the rest of the criteria and list of courses stay the same.

NATIONAL HONOR SOCIETY



National Honor Society is a prestigious national organization only for the best and brightest students. The eligibility process begins with a minimum 3.5 cumulative GPA at the end of a student's fifth semester of high school. Members are selected based on the four criteria of scholarship, service, leadership and character. NHS is a valuable addition to a student's high school transcript.

The following are the criteria for membership in National Honor Society:

Scholarship – Members have completed 5 semesters of high school and have a minimum cumulative GPA of 3.5 to be considered for membership in NHS.

Character – Members must be of good character. They must not have had any serious infractions of school policy during their time at CHS.

Service – NHS is a service organization. This means that we volunteer to help out with various school and community events that are worthwhile and benefit the community.

Leadership – NHS members are student leaders by virtue of the fact that they give freely of themselves, stand up for what is right and present as role models by adhering to the four tenets of National Honor Society.

Community service participation, as well as attendance at bi-monthly lunchtime meetings in CHS room 11, is required for continued membership.

As NHS is a prestigious national organization, membership in this group is a plus when applying to the college or university of your choice.

English

A minimum of 4.0 ENG credits are required.

Students are not required to stay in a specific stream for English. They are free to move from a regular English class to an honors/AP class or from an honors/AP class to a regular English class. Students are encouraged to make decisions based on their ability.

	Grade 9	Grade 10	Grade 11	Grade 12
Required Courses <i>Choose one</i>	English 1 English 1-Honors (Pre-AP)	English 2 English 2-Honors (Pre-AP)	English 3 English 3-AP Lang & Comp	English 4A-Multicultural Literature English 4B-Modern Literature English 4C-Sci Fi/Fantasy Literature English 4-Technical Writing (DC) English 4-AP Literature & Composition College Writing & College Lit. (DC)
Elective Courses	Journalism & Newspaper Production	Journalism and Newspaper Production Creative Writing	Journalism and Newspaper Production Creative Writing Peer Mentoring Class Speech (DC)	Journalism and Newspaper Production Creative Writing Peer Mentoring Class Speech (DC)
ENGLISH INTERVENTIONS: <i>Placement in the following intervention courses is based on academic need, as determined by screening and/or teacher recommendation.</i>				
	Reading Lab English 1-Applied	Reading Lab English 2-Applied	Reading Lab English 3-Applied	Reading Lab English 4-Applied

1100 English 1

Grade: 9

1.0 Credit

English at the freshman level explores the genres of mythology (including *The Odyssey*), non-fiction, novel, drama (i.e. *Romeo and Juliet*) and short story. The emphasis in composition is on argumentative analysis and process writing. Grammar, spelling, vocabulary development, library orientation, speaking, listening, study skills and research are also included.

1101 English 1-Honors (Pre-AP)

Grade: 9

1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

Honors English I is an accelerated course designed for the student who performs well in English, has a passion for reading and responding to a variety of literature, and enjoys writing. Students in this course must be self-motivated, be able to analyze and think critically about what they read, and be active class participants. The course uses SpringBoard curricular resources to begin preparing students for Advanced Placement English courses at the junior and senior levels. **Prerequisite(s): Signed commitment form attached to registration materials -AND- completion of summer reading and related assignments. An A or B in the previous year's English class is recommended.**

English

A minimum of 4.0 ENG credits are required.

SOPHOMORE YEAR ENGLISH 2 OPTIONS

1200 English 2

Grade: 10

1.0 Credit

English at the sophomore level emphasizes the genres of novel, nonfiction and short stories. At this level there is continuation of other areas of literature, speaking, listening, grammar, vocabulary development, and research. The emphasis in composition is on argumentative, informational, and narrative writing.

1201 English 2-Honors (Pre-AP)

Grade: 10

1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

This rigorous version of the English II course prepares sophomores to succeed in Advanced Placement English courses their junior and senior years by using SpringBoard curricular resources. Honors English II students tackle challenging and complex literature, often completing mandatory enrichment readings outside of class. They write and revise formal academic essays, study grammar and vocabulary, and accept responsibility for managing their time and course deadlines. Students in Honors English II also engage in lively discussions, write several creative pieces, and practice public speaking skills. **Prerequisite(s): Signed commitment form attached to registration materials -AND- completion of summer reading and related assignments. An A or B in the previous year's English class is recommended.**

JUNIOR YEAR ENGLISH 3 OPTIONS

1300 English 3

Grade: 11

1.0 Credit

The junior year of English is devoted to the study of American Literature. Development of speaking, listening, reading, and grammar skills are continued. Writing includes narrative and informational instruction, but a larger emphasis is placed on argumentative writing in preparation for the ACT writing assessment.

1306 English 3-AP Language & Composition

Grade: 11

1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

The AP English Language and Composition course is designed to help students become skilled readers of prose written in a variety of rhetorical contexts and to become skilled writers who compose for a variety of purposes. This is a college-level course that is very rigorous and demanding. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way generic conventions and the resources of language contribute to effectiveness in writing. The goals of an AP English Language & Composition course are diverse because the college composition course is one of the most varied in the curriculum. **Students who take this course will prepare for, but are not required to take, the AP Language & Composition Exam (exam costs around \$100) in the spring. The exam is accepted at most colleges and universities for up to six college credits, depending on the student's AP exam score. Generally, colleges within the MUS system will substitute AP Language & Composition for College Writing, if score meets the school's criteria.**

English

A minimum of 4.0 ENG credits are required.

SENIOR YEAR ENGLISH 4 CORE OPTIONS

All senior English classes will be writing intensive. Students will focus on refining and expanding effective writing skills through critical and analytical writing, timed writing, and research. Seniors will also complete a resume, job cover letter, and college application essay; this will ensure students have what they need for whatever pathway they choose after graduation. Students will also read one Shakespearean play.

Seniors, unless taking AP or College Writing/College Literature, will complete two semesters of one of the following options:

1412 English 4A (Multicultural Literature)	Grade: 12	1.0 Credit
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Want to travel the world? Now is your chance! This class delves into cultures from around the world, from Buddhist monks to Holocaust survivors. It also explores varying time periods, from Elizabethan England to modern-day America. Students will explore contemporary issues that face these groups and efforts to sustain cultural diversity by reading novels, short stories, and films. Bring your passport.

1413 English 4B (Modern Literature)	Grade: 12	1.0 Credit
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Not a big reader? You will be. This class focuses on “high interest” modern reads to maintain student enjoyment and focus. A major goal of the Modern Literature class is to create life-long readers. Some of the selections will include non-fiction works like *Unbroken*, *The Big Burn*, and Steven Rinella’s *American Buffalo*. Modern Fiction will include *Bear Town*, *A Long Way Gone*, and John Grisham’s *A Time to Kill*. Several other works will be included as time permits. Get ready to fall in love with reading.

1414 English 4C (Science Fiction/Fantasy Literature)	Grade: 12	1.0 Credit
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The universe awaits you! This course focuses on famous classic and modern works and films that helped develop Science Fiction and Fantasy as serious genres. The course will showcase novels like *Frankenstein* and *The Martian*, modern short stories and poems, and milestone sci-fi/fantasy films. Slap on your spacesuit, tip your witch hat, grab your pixie dust, and let’s head for the stars.

SENIOR YEAR ENGLISH 4 ADVANCED/DUAL CREDIT OPTIONS

1406 English 4-AP Literature & Composition	Grade: 12	1.0 Credit
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**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

AP English 4 is designed for those seniors who enjoy literature and writing and who desire a challenging, in-depth study of English. A positive attitude toward learning and the ability to pursue knowledge independently will aid the student in the in-depth analysis of a wide selection of British and world literature designed to encourage critical thinking and writing. *Students taking this course will prepare for, but are not required to take, the AP Literature and Composition Exam (exam costs around \$100). The exam is accepted at most colleges and universities for college credits, depending on the student’s AP exam score. Generally, colleges within the MUS system will substitute AP Literature and Composition for Introduction to Literature, if score meets the school’s criteria.*

English

A minimum of 4.0 ENG credits are required.

SENIOR YEAR ENGLISH 4 ADVANCED/DUAL CREDIT OPTIONS-CONTINUED

College Writing/College Lit Combo

*Students must register for both of the following classes to fulfill the senior English requirement. Dual credit enrollment is optional.

***1457 WRIT 101 College Writing** **Grade: 12** **.5 Credit**

DUAL CREDIT Helena College: WRIT 101 College Writing

**DC Note: Students must meet the college's placement criteria and are responsible for college registration, cost of tuition, and fees.*

This is a rigorous college-level composition course; students will work at a college level on the writing process. In WRIT 101, students will explore a variety of modes of essays in order to develop their own ideas and enhance their writing styles. Some modes may include personal narrative, description, exemplification, definition, argument, process, compare/contrast, cause/effect and research.

***1458 English LIT 110** **Grade: 12** **.5 Credit**

DUAL CREDIT Helena College: LIT 110 Intro to Literature

**DC Note: Students must meet the college's placement criteria and are responsible for college registration, cost of tuition, and fees.*

This is a rigorous college-level literature course; students will read college-level literature and respond in college-level critical analysis. Emphasis is on articulating strong responses to varied texts including poetry, drama and fiction, as well as literary criticism and theory.

1459 English 4-Technical Writing **Grade: 12** **1.0 Credit**

DUAL CREDIT Helena College: WRIT121T

**DC Note: Students must meet the college's placement criteria and are responsible for college registration, cost of tuition, and fees.*

Are you planning to enter one of the trades (i.e., construction, welding, auto)? This course involves experience in communication formats typical of technical careers. Emphasis is on writing that would be done in particular fields with consideration of the audience, context, and purpose to refine and expand writing skills. The course will include guest speakers from various technical fields and reading high interest fiction and non-fiction like *The Big Burn*, *American Buffalo*, adventure blogs and more.

ENGLISH ELECTIVES

1422 Speech/COMM 111 **Grades: 11-12** **.5 Credit**

DUAL CREDIT Helena College: COMM 111X Introduction to Public Speaking

**DC Note: Students must meet the college's placement criteria and are responsible for college registration, cost of tuition, and fees.*

Students will have the ability to generate speech topics appropriate for a variety of occasions, demonstrate applications of classical rhetorical principles to contemporary circumstances, adapt material to particular audiences, reason from evidence to conclusions, and organize ideas according to the demands of informative and persuasive public speaking situations. Students will develop critical listening skills and the ability to evaluate messages.

English

A minimum of 4.0 ENG credits are required.

ENGLISH ELECTIVES

1445 Creative Writing

Grades: 10-12

1.0 Credit

Writing is a way to understand what we've been through, a way to share our experiences, and a way to entertain. It's a lot of work to do it well, and it's also a whole lot of fun. In this class we'll explore the four main genres of Creative Writing: Poetry, Play/Screenwriting, Nonfiction and Fiction. We'll write in response to prompts, we'll imitate the writing of published authors, and we'll go out on a limb and do our own things. Creative Writing class is also a fantastic way to get to know other people as we will come together to create our own community of storytellers and poets. We will hang out around a table, drink tea, and share our writing in exchange for supportive and thoughtful responses that help all of us become stronger writers. We will write in class every day!

1450 Journalism and Newspaper Production

Grades: 9-12

1.0 Credit

Journalism was Superman's day job, and it can be yours too! If you're interested in uncovering breaking news, capturing stories on camera, expressing yourself in a regular column or blog, designing attention-grabbing front pages and websites, or interviewing local sports and arts superstars, join the Capital High *Paw Print*. *Paw Print* staff members take on every aspect of newspaper production, from the reporting, to the photography, to the selling of advertisements and the layout. Students who sign up for the *Paw Print* will be required to spend time outside of class (including weekends and evenings) chasing stories, snapping photos and pushing deadlines. The class will explore both print and online methods of investigating and publishing the news. Writers wanted: this is your chance to make the headlines!

ENGLISH RELATED COURSES

8260 Peer Mentoring

Grades: 11-12

1.0 Credit

The Peer Mentoring class takes place during period 4 and provides school-based mentoring for individual elementary children at Rossiter and Kessler Elementary Schools. (Note: On Bruin Buddies days, students will travel during lunch time.) On the remaining class days, students will provide peer education and mentoring for middle school and high school youth. Outside class time is required for service and mentoring projects.

Prerequisite(s): Application and selection is required.

Social Studies, History, & Government

A minimum of 1.0 SST, 1.0 USH, and 1.0 AMG credits are required.

	Grade 9	Grade 10	Grade 11	Grade 12
Required Courses (Choose One)	World Cultures Human Geography AP	None Required	American History American History AP	American Government American Government AP
Elective Courses		European History AP Western Civilization Philosophy Psychology Sociology	Current Issues European History AP Western Civilization Philosophy Sociology Psychology Advanced Psychology Special Topics	Current Issues European History AP Western Civilization Philosophy Sociology Psychology Advanced Psychology Special Topics

FRESHMAN YEAR - WORLD CULTURES OPTIONS

2100 World Cultures (Required) Grade: 9 1.0 Credit

In this course, students will survey the geography, history, social structure, economy, art, religion and national policies of selected world regions including: Russia, China, The Middle East and North Africa, Africa (Sub Sahara), Latin America, Southeast Asia, India, Japan, Oceania, and Western Europe.

2103 Human Geography AP Grade: 9 1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

Learn about the world and get college credit! The AP Human Geography course is equivalent to an introductory college-level course in human geography. Content is presented thematically through the subfields of: economic geography, cultural geography, political geography and urban geography. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Students enrolling for this course will be assigned college-level texts to read, along with writing assignments and projects meant to develop critical thinking skills. Students successfully completing this course will take the Advanced Placement test (Exam Fee: Approx. \$95) for college credit and will fulfill the district's World Cultures curriculum requirement. The exam is accepted in most colleges and universities for college credits, depending on student's AP exam score.

Social Studies, History, & Government

A minimum of 1.0 SST, 1.0 USH, and 1.0 AMG credits are required.

JUNIOR YEAR - AMERICAN HISTORY OPTIONS

2300 American History (Required) Grade: 11 1.0 Credit

This course is designed to acquaint the student with the panorama of events that constitute the history of the United States and the political, social, and economic consequences that followed those events. Particular emphasis will be placed on the major themes of American history, such as participatory government, reform movements, states' rights, the role of business and labor, and foreign policy. A chronological approach is used.

2306 American History-AP Grade: 11 1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

The Advanced Placement American History course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with problems and materials in American history. It prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students taking this course are eligible to take the Advanced Placement (AP) American History Exam given by the College Board. A passing grade on it makes the student eligible for up to six college credits at over 95% of schools nationwide. **An A or B in World Cultures is recommended.**

SENIOR YEAR - GOVERNMENT OPTIONS

2400 American Government (Required) Grade: 12 1.0 Credit

American Government is designed to acquaint students with the structure and operation of the political system of the United States. It provides insight into the nature of politics by exploring the competing interests that seek to influence policy-makers and by examining the social, political, and economic consequences of the policies made. This course also includes career and consumer education relevant for the soon-to-be graduate.

2406 American Government-AP Grade: 12 1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

Advanced Placement American Government is designed for seniors with ability and interest in social studies who want an in-depth political science course using advanced analytical and educational skills. Students successfully completing this course will take the Advanced Placement test (Exam Fee: Approx. \$95) for college credit and will fulfill the district's American Government curriculum requirement. The course will cover political and economic theory and processes as well as institutions and issues of federal, state and local government. Learning activities will focus on critical thinking and research through reading, writing and seminar discussions. The exam is accepted in most colleges and universities for college credits, depending on student's AP exam score.

SOCIAL STUDIES ELECTIVES

2321 Special Topics in American History-S1 Grades: 11-12 .5 Credit

2322 Special Topics in American History-S2 Grades: 11-12 .5 Credit

This course will give a more in-depth analysis of various issues in American History. Student will choose from various topics including the Sixties, the Vietnam War, Feminism, music and movies. Students may either take one semester or both semesters, as each semester will be different. This course requires a strong desire by students to gain an in depth knowledge of history and politics.

Social Studies, History, & Government

A minimum of 1.0 SST, 1.0 USH, and 1.0 AMG credits are required.

SOCIAL STUDIES ELECTIVES

2410	Western Civilization 1-S1	Grades: 10-12	.5 Credit
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2420	Western Civilization 2-S2	Grades: 10-12	.5 Credit
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The History of Western Civilization 1 & 2 is an elective for students interested in exploring issues of European History. First semester will begin with pre-historic humans and trace the development of European civilizations through the rise of Ancient Greece and Rome, the medieval era and explore the Renaissance and Reformation. In the second semester we will begin with the discovery of the “New World” and discuss the 16th – 21st centuries including the Industrial Revolution, both World Wars, and the Cold War era. A wide variety of teaching methods will be employed including instructor led lectures and discussions, demonstrations, era-related projects, independent exploration, and writing assignments.

2426	European History-AP	Grades: 10-12	1.0 Credit
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**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

Advanced Placement European History is designed to be the equivalent of a college freshman level survey course in European history. The course, offered to Sophomores, Juniors and Seniors, provides students with the analytical skills and factual knowledge to deal critically with problems and materials in European history. Learning activities include readings from primary documents, assessing historical materials in essays, and seminar discussions. Students should be prepared for significantly more reading and challenging assignments. Students taking this course are eligible to take the Advanced Placement (AP) European History Exam, which is accepted for credit at many colleges and universities. The exam is accepted in most colleges and universities for college credits, depending on student’s AP exam score.

2307	Philosophy	Grades: 10-12	1.0 Credit
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“Philosophy” comes from the Greek “philo,” to love, and “sofia,” wisdom, making philosophers lovers of wisdom. This course examines the great questions of life, such as what is the nature of reality? How do we define right and wrong? How is a state best constructed, and for what reason? Do we have free will, or is this all predetermined? Is there even such a thing as truth? Does life have meaning? This course will examine these questions and more through the challenging writings of some of the greatest thinkers in the history of humanity, inquiring as to how these questions impact us through an analysis of current events and pop culture. Prerequisite: For Sophomores: recommendation of B or higher in World Cultures due to course rigor.

Social Studies, History, & Government

A minimum of 1.0 SST, 1.0 USH, and 1.0 AMG credits are required.

SOCIAL STUDIES ELECTIVES

2450 Psychology **Grades: 10-12** **.5 Credit**

Psychology involves the study of human behavior and the influences that affect mental processes. Students will be confronted with the history of the development of psychology as a science. This course will also introduce students to prominent psychologists and their theories, as well as exploring different areas of psychology as a profession. Because students will be studying human behavior, the study of structure and function of both the brain and the nervous system will also be covered. Finally, a variety of topics, including mental illness and abnormal behaviors, will also be acknowledged.

2451 Advanced Psychology **Grades: 11-12** **.5 Credit**

Advanced Psychology is a course offered to students who have successfully completed the semester course in Psychology I offered at Capital High School. Topics to be covered in this course are: Memory, Cognition, Social Psychology, Health Psychology, Positive Psychology, Advanced Biological Psychology, Consciousness, Psychological Therapy and Current Issues in Psychology. We will use the textbook Psychology by Saundra Ciccarelli and Nolan White.

Prerequisite: Psychology.

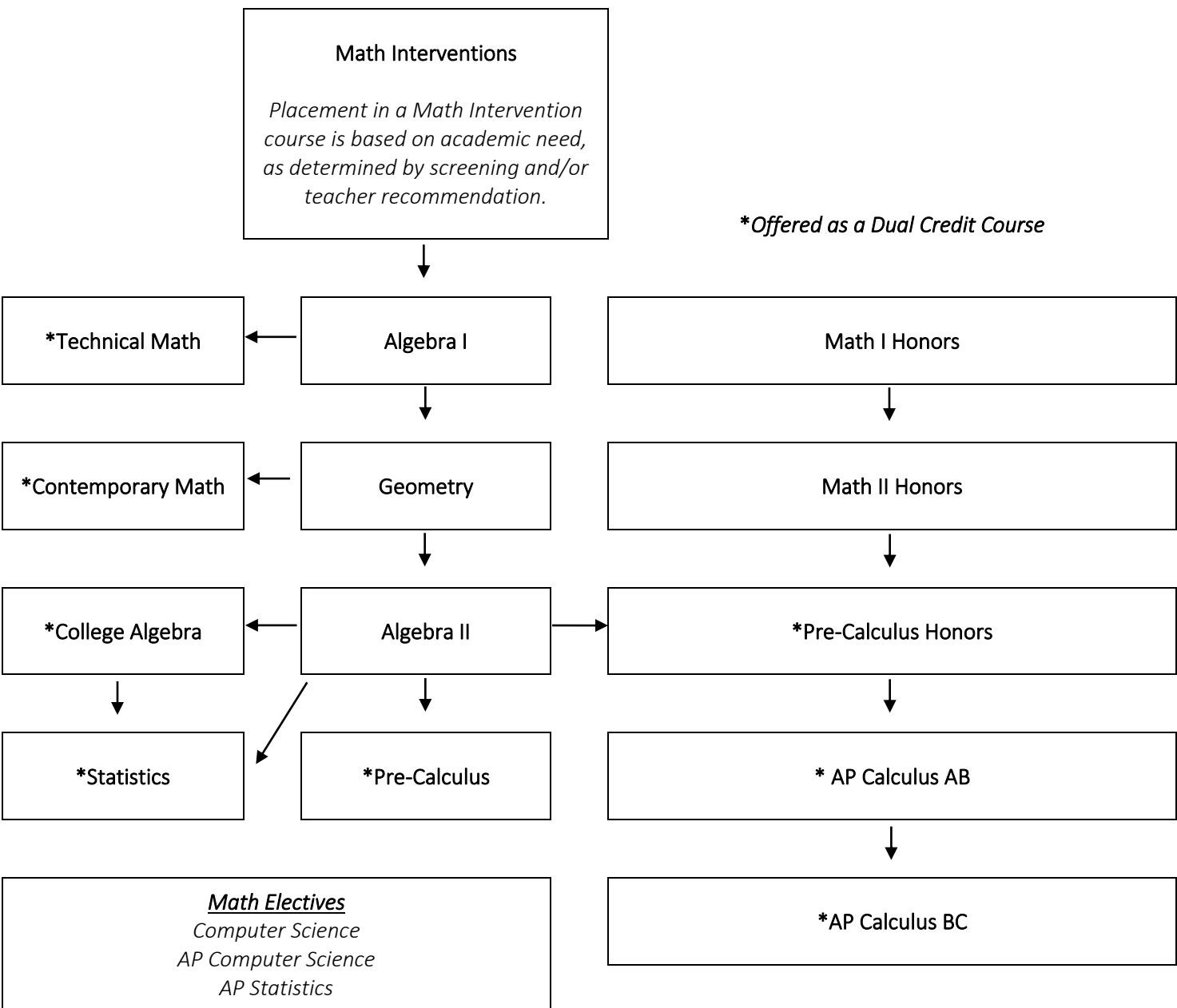
2490 Sociology **Grades: 10-12** **.5 Credit**

Sociology is the study of social life, social change, and the social causes and consequences of human behavior. This one semester course focuses on: the sociological perspective; methods of inquiry; social structure - culture, institutions, society; social relationships - self, groups, socialization; stratification and inequality. Topics covered may include: collective behavior, cults, culture, demography, deviance, education, ethnicity, ethics, families, gangs, gender issues, groups, hate crimes, medicine, poverty, race, research methods, socialization, social class, social protest movements, and technology.

Mathematics
A minimum of 3.0 MTH Credits are required.

A minimum of 3.0 MTH Credits are required.

CHS MATHEMATICS COURSE FLOW CHART



Mathematics

A minimum of 3.0 MTH Credits are required.

3100 Algebra I

Grades: 9-12

1.0 Credit

This is the first of the four-year sequence for all students. This is the introductory high school course for students and emphasizes a strong development of the ideas of Algebra. The course prepares students for algebraic thinking and problem solving skills. Students who successfully complete this course will go on to take Geometry.

Prerequisite(s): Signature of current Math teacher is required on registration form.

3101 Mathematics 1-Honors

Grade: 9

1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

This is the first of the four-year honors sequence. This is an accelerated course and emphasizes a strong development of the ideas of Algebra and Geometry. The course prepares students for algebraic thinking and refines geometric and problem solving skills. Students who successfully complete this course will go on to take Honors Mathematics 2.

Prerequisite(s): Signature of current Math teacher is required on registration form.

3200 Geometry

Grades: 10-12

1.0 Credit

This is the second of the four-year sequence for all students and emphasizes a strong development of the ideas of Geometry. The course prepares students for geometric thinking and refines probability and Algebra skills. Students who successfully complete this course will go on to take Algebra 2. *Prerequisite(s): Signature of current Math teacher is required on registration form -AND- Algebra I (C or better recommended).*

3201 Mathematics 2-Honors

Grades: 9-10

1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

This is the second of the four-year sequence and emphasizes a strong development of the ideas of Geometry and higher Algebra skills. The course prepares students for geometric thinking and refines geometric, statistical and problem solving skills. Students who successfully complete this course will go on to take Honors Pre-Calculus. *Prerequisite(s): Signature of current Math teacher is required on registration form -AND- Honors Algebra 1 (B or better recommended).*

3300 Algebra II

Grades: 10-12

1.0 Credit

This is the third of the four-year sequence for all students and emphasizes a strong development of the ideas of advanced algebra. The course prepares students for algebraic thinking, refines geometric skills, and further develops problem solving. This course is required of all students that will be attending college. Students entering college in a technical field such as engineering, mathematics, sciences or economics take this course their Junior year and take a fourth year of mathematics their senior year. *Prerequisite(s): Signature of current Math teacher is required on registration form -AND- Geometry (C or better recommended).*

3302 MA 105 Contemporary Math

Grades: 12

1.0 Credit

DUAL CREDIT Helena College: MA 105 Contemporary Math

**DC Note: Students must meet the college's placement criteria and are responsible for college registration, cost of tuition, and fees.*

This course is designed to meet the general education mathematics requirement for the liberal arts major. It surveys some of the important ideas and practical applications in mathematics and uses algebra skills to solve real problems. Topics include problem solving, financial math, mathematical modeling (linear and quadratic), and elementary statistics.

Prerequisites: Successful completion of Geometry and Counselor/teacher recommendation.

Mathematics

A minimum of 3.0 MATH Credits are required.

3356 Technical Math

Grades: 11-12

1.0 Credit

DUAL CREDIT Helena College: M111 Technical Math

**DC Note: Students must meet the college's placement criteria and are responsible for college registration, cost of tuition, and fees.*

This is a course is designed for those interested in pursuing a technical or vocational career or degree after high school. The courses include fractions, decimals, ratios, proportions, formulas and word problems. Topics studied are metric and American measurements systems, linear equations, algebra, developing applied skills in practical geometry, solid figures, and basic trigonometry. **Fee \$20. Prerequisite(s): Signature of current Math teacher is required on registration form -AND- Algebra I (C or better recommended) -AND Concurrent enrollment in Career and Technical Education class is required.**

3400 Pre-Calculus

Grades: 11-12

1.0 Credit

DUAL CREDIT Helena College: M151 Pre-Calculus

**DC Note: Students must meet the college's placement criteria and are responsible for college registration, cost of tuition, and fees.*

This is the fourth of the four-year sequence for all students. This is a senior level course that emphasizes a strong development of the ideas of College Algebra and Pre-Calculus. (See description for College Algebra and Pre-Calculus) Students from Honors Mathematics 2 or Algebra II take this class. **Prerequisite(s): Signature of current Math teacher is required on registration form -AND- Algebra II (C or better recommended).**

3301 Pre-Calculus-Honors

Grades: 10-12

1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

DUAL CREDIT Helena College: M151 Pre-Calculus

**DC Note: Students must meet the college's placement criteria and are responsible for college registration, cost of tuition, and fees.*

This is the third year of our school's four-year honors sequence intended to prepare students for the possibility of a STEM (Science, Technology, Engineering, and Math) career or major in college. This course extends on the concepts of Algebra 2, while undertaking the study of trigonometry, and preparing students for calculus. The course extends past what is presented in College Algebra and covers topics included on the ACT and SAT. Students from Honors Mathematics 2 or Algebra II take this class. Students who are successful with this class should go on to Calculus the following year.

Prerequisite(s): Signature of current math teacher is required on registration form -AND- Mathematics 2-Honors (B or better recommended) or Algebra II (A is recommended).

3401 AP Calculus AB

Grades: 11-12

1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

DUAL CREDIT Helena College: M171 Calculus I or Calculus A/B AP Exam

**DC Note: Students must meet the college's placement criteria and are responsible for college registration, cost of tuition, and fees.*

This is the fourth of a four-year honors sequence. This Honors course is designed for high ability mathematics students planning to take calculus as college freshmen. The subject of this course is single variable calculus. Topics include functions, limits, continuity, differentiations, tangents, implicit differentiation, Mean Value Theorem, integration, Fundamental Theorem of Calculus, logarithmic, exponential functions, and applications of integration. It is recommended that students take the AP Calculus A/B Test if not taking the class for dual credit. **Prerequisite(s): Signature of current Math teacher is required on registration form -AND- Pre-Calculus (B or better recommended).**

Mathematics

A minimum of 3.0 MATH Credits are required.

3405 AP Calculus BC

Grades: 11-12

1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

DUAL CREDIT Helena College: M172 Calculus 2 (must have taken M171 for dual credit or a 3 or higher on AP exam)

**DC Note: Students must meet the college's placement criteria and are responsible for college registration, cost of tuition, and fees.*

This is a one-year, integrated mathematics course. Topics include all material covered in AP Calculus AB; integration by parts and partial fraction decomposition; set up and compute integrals in applied situations such as finding volumes of solids of revolution, arc length, surface area, work, fluid pressure, and centers of mass; determine convergence/divergence of series via various tests; Power series (including interval and radius of convergence) and Taylor series expansions of common functions; recognize and graph parametric and polar equations, as well as compute areas and arc length of polar curves. It is recommended that students take the AP Calculus B/C Test. **Prerequisite(s): Signature of current Math teacher is required on registration form -AND- Calculus AP.**

3440 College Algebra-S1

Grades: 11-12

.5 Credit

DUAL CREDIT Helena College: M121 College Algebra

**DC Note: Students must meet the college's placement criteria and are responsible for college registration, cost of tuition, and fees.*

This course is designed for juniors and seniors who would like to improve their algebra skills and prep for the ACT and SAT exams. It is intended for those who are interested in following a liberal arts major in college. The course will focus on applications of mathematics reviewing algebraic skills and extending those skills. Statistics is recommended as a second semester course. **Prerequisite(s): Signature of current Math teacher is required on registration form -AND- Algebra II (C or better recommended).**

3441 Statistics-S2

Grades: 11-12

.5 Credit

DUAL CREDIT Helena College: STAT 216 Intro to Statistics

**DC Note: Students must meet the college's placement criteria and are responsible for college registration, cost of tuition, and fees.*

This course is designed for juniors and seniors who would like a strong introduction to statistics in preparation for college. College Algebra is the recommended first semester course. The course will focus on applications of mathematics and statistical modeling. Statistics will be taught using real world situations in a way everyone can understand. The TI-83 calculator will be used daily. At the end of the course, each student will have a binder of all notes necessary to be successful in a college statistics course. Students seeking an advanced preparation in mathematics may take this course at the same time as Pre-Calculus and Calculus. **Prerequisite(s): Signature of current Math teacher is required on registration form -AND- Algebra II (C or better recommended).**

3442 AP Statistics

Grades: 12

1.0 Credit

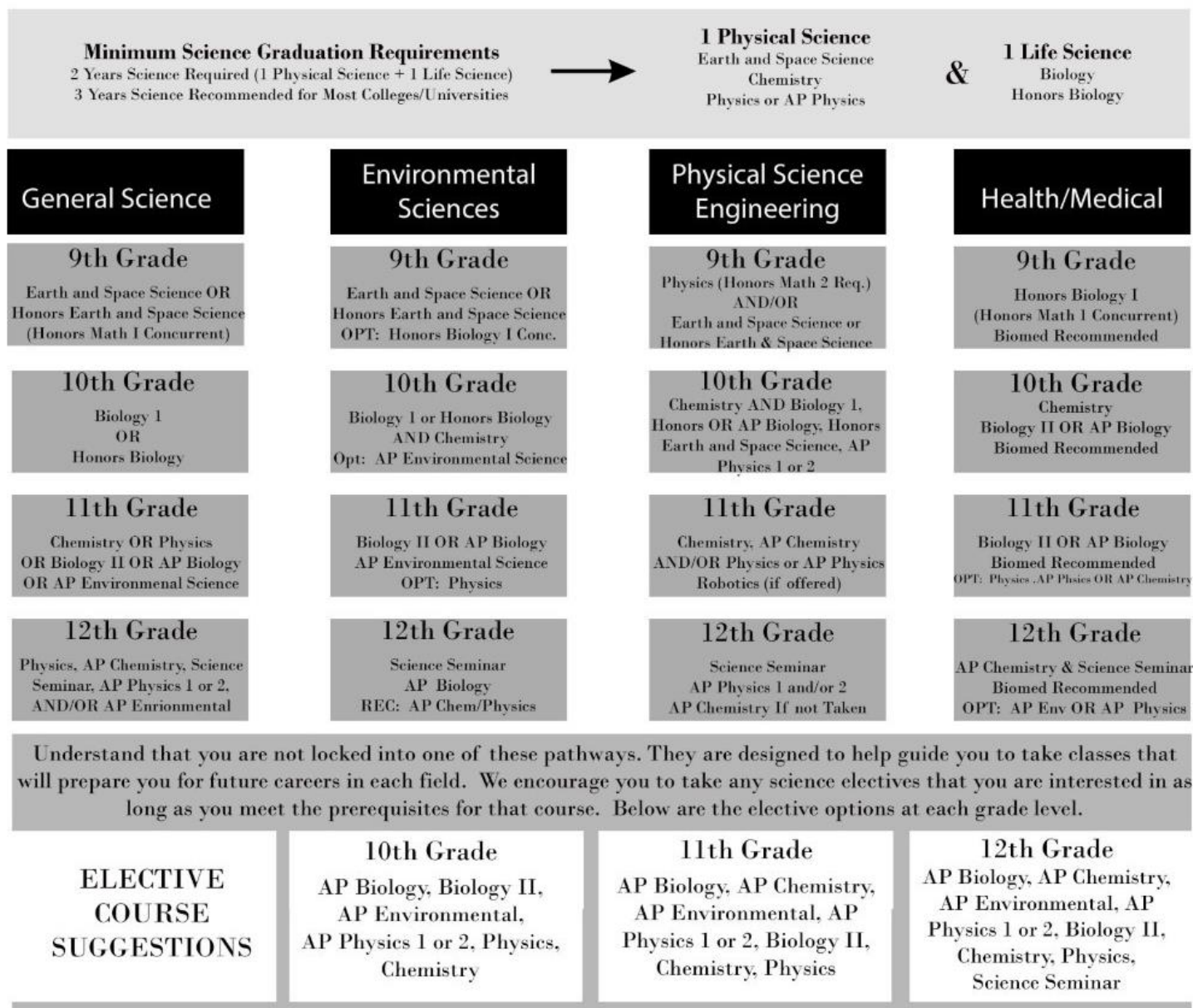
**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

AP Statistics is a senior-only course and introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will observe patterns and departures from patterns, decide what and how to measure, produce models using probability and simulation, and confirm models. Appropriate technology, from manipulatives to calculators and application software, will be used regularly for instruction and assessment. Optional AP exam is offered in the spring. **Prerequisites: Successful completion of Pre-Calculus or above, and teacher signature.**

Sciences

A minimum of 2.0 SCI Credits are required.

SCIENCE PATHWAYS



SCIENCE INTERVENTIONS

Placement in a Science Intervention course is based on academic need, as determined by screening and/or teacher recommendation.

Sciences

A minimum of 2.0 SCI Credits are required.

4100 Earth and Space Science

Grade: 9

1.0 Credit

Earth and Space Science is a class designed for the majority of incoming freshmen. This course is a survey of Geology, Meteorology, Astronomy and Hydrology. Lab work, reading, data analysis and writing is used in this class. Students are expected to make observations, take measurements, and draw conclusions.

4101 Earth and Space Science-Honors

Grades: 9-10

1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

Honors Earth and Space Science is designed for students who are talented in mathematics and science, and who enjoy and have an interest in pursuing a scientific course of study. This course involves in-depth reading of scientific works, measurement, data analysis, inquiry labs, and the writing of science based papers. Students are expected to be able to make predictions from their observations, test these predictions, collect data using measurement from tests and draw conclusions from their work. This class has a science literacy and field component. **Prerequisite(s): Signature of current Science teacher is required on registration form. "B" or better in Math, Science, and English is recommended.**

***Grade 9 ONLY: Concurrent enrollment in Mathematics 1-Honors (or higher) AND- application/selection is required.**

4200 Biology 1

Grade: 10

1.0 Credit

Biology 1 is a survey course in the Life Sciences that includes laboratory experiences. The purpose of the course is to develop an understanding of living things and their relationship to each other. This course will help students develop a framework for understanding modern biology and to gain an appreciation of science as a process. There will be an emphasis on application of biological knowledge and critical thinking in relation to environmental and social concerns. The major themes include molecules and cells, heredity and evolution, diversity of life and ecology.

4201 Biology 1-Honors

Grades: 9-10

1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

Honors Biology 1 is a survey course in the Life Sciences designed to challenge the advanced sophomore-level student. This rigorous course requires a high level of commitment and effort from the honors student. It is more in-depth and faster paced than the regular biology course, with a greater emphasis on critical thinking and independent learning. Successful completion of this class will better prepare students for other advanced level courses. **Prerequisite(s): Signature of current Science teacher is required on registration form. "B" or better in Math, Science, and English is recommended.**

***Grade 9 ONLY: Concurrent enrollment in Mathematics 1-Honors (or higher) AND application/selection is required.**

4300 Biology 2

Grades: 10-12

1.0 Credit

Biology II is a second-year biology course designed to get students out doing real science! It is offered to any sophomore, junior, or senior student who has passed Biology I with a C or better. This course is designed for students who are interested in the biological and/or medical fields. First semester focuses on field study and laboratory experiences in forestry, water quality, wildlife biology, genetics, microbiology and biotechnology. Second semester focuses on vertebrate and human anatomy and physiology and is ideal for students wanting to pursue a medical or health career. During second semester we do an in-depth cat dissection as a comparison to human anatomy and physiology. Although this is a year-long course, students will be able to enter in the 2nd semester if they have met the prerequisite. First semester there are 3 required field trips. **Course Fee: \$30 Prerequisite(s): Biology 1 or Biology 1 Honors (C or better recommended).**

Sciences

A minimum of 2.0 SCI Credits are required.

4306 Biology AP

Grades: 10-12

1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

AP Biology is a course offered to 10-12 grade students who have successfully completed Biology I or Honors Biology I with a B or better. The course is a rigorous, college-level class, designed to investigate and develop a deeper understanding of the concepts normally covered in a first-year college biology course as well as to prepare students to take the AP Biology Exam. Students who take this course will be expected to take the AP Biology Exam at the end of May. Students that take AP Biology will retain and apply content learned to develop advanced inquiry and reasoning skills such as designing experiments, collecting and analyzing data, applying mathematical routines, and connecting concepts in/across domains. **Course Fee: \$30 Prerequisite(s): Biology 1 or Biology 1 Honors (B or better recommended) -AND- Chemistry/Concurrent Enrollment. *Grade 10 ONLY: Parent conference AND signature of current science teacher is required on registration form if the Honors Biology I prerequisite has not been met.**

4310 Chemistry 1

Grades: 10-12

1.0 Credit

Chemistry is the study of the composition of substances and the changes they undergo. The basic principles and concepts of chemistry are developed through laboratory investigation. Included are atomic structure, gas laws, chemical reactions, elements, compounds, etc. Evaluation via objective testing covers textbook assignments, lab experiences, lectures, and demonstrations. These first-year topics are being taught in an inquiry teaching setting/environment. **Prerequisite(s): Algebra II (or higher)/Concurrent Enrollment.**

4400 Physics

Grades: 9-12

1.0 Credit

"Inquiry Physics" Physics provides an opportunity for students to continue their survey of the fundamental science disciplines offered at the high school level. Physics is a college preparatory introductory level survey course recommended for those students with an interest in science that have demonstrated a high ability in mathematics and previous science classes. Through inquiry activities, laboratory experiences, discussion, movies and lecture students will explore the relationships of waves, sound, light, color, matter, kinematics of motion and energy with an emphasis on increasing student understanding of graphing, diagraming and fundamental problem-solving skills. Topics of study will include waves, sound, light, lenses, mirrors, motion, kinematics, forces, momentum, friction, energy, modern physics theory of the universe, and planetary motion. **Prerequisite(s): Algebra II (or higher)/Concurrent Enrollment. *Grade 9 ONLY: Concurrent enrollment in Mathematics 2-Honors is required AND- application is required.**

4401 AP Physics I

Grades: 10-12

1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

AP Physics 1 is a rigorous algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound. Students who take this course are expected to take the AP exam in May. Students who take AP Physics 1 should expect an accelerated pace and may require additional work or lab time outside of the regular class period. **Prerequisite(s): Algebra II (or higher)/Concurrent Enrollment.**

Sciences

A minimum of 2.0 SCI Credits are required.

4402 AP Physics 2

Grades: 10-12

1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

AP Physics 2 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: fluids; thermodynamics; electrical force, field, and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic, and nuclear physics. Students taking this course are expected to take the AP Test.

Prerequisite(s): *Students need to have taken or be enrolled in Honor's Math 2 or equivalent. AP Physics 1 or Physics is not required to take this course.*

4420 Chemistry AP

Grades: 11-12

1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

AP Chemistry is an elective science course that will be offered to 11-12 grade students. It is designed to be taken after the completion of Chemistry 1 and students will also be required to have successfully completed Algebra 2 or equivalent math class prior to taking this class. The course follows the AP curriculum and is designed to investigate and develop a deeper understanding of the concepts normally covered in a first-year college chemistry course as well as to prepare students to take the AP Chemistry Exam. Students who take this course will be expected to take the AP Chemistry Exam at the end of May. Students who take AP Chemistry should expect an accelerated pace and may require additional work or lab time outside of the regular class period. Students will build deeper understanding of chemistry concepts by engaging in inquiry based laboratory experiences that require detailed quantitative analysis and written laboratory reports. **Prerequisite(s):** *Chemistry 1 and Algebra II.*

4421 Science Seminar

Grades: 12

1.0Credit

This course provides an opportunity for students to explore science enrichment topics not emphasized in other science classes. Scientific problems, Bioethics, and controversial issues will be explored through literature review, writing, student presentations, class discussion, interaction with community resource personnel, and independent research. A course fee of \$175 is required to cover transportation, food and guides for field trips; including Yellowstone National Park. **Fees: \$175. Prerequisite(s):** *Three (3) Lab Sciences or Science-related courses -AND- Concurrent Enrollment in year-long Lab Science or Science-related course (Exceptions may apply to students who have taken more than one science course in a year)-AND- application and selection is required.*

4501 AP Environmental Science

Grades: 10-12

1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

This course is designed to cover a variety of topics within the sciences. The goal is to provide you with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate risk factors of these problems, and to examine alternative solutions for resolving or preventing them. Emphasis in this class is placed on science as a process, energy conversions underlying all ecological processes, the Earth as an interconnected system, how humans alter the environment, environmental problems and their social context and developing sustainable practices. This course adheres to the objectives instituted by the College Board for all AP Environmental Science. This is a laboratory course in which you are expected to follow scientific methodologies, collect data and make accurate hypotheses. **Prerequisite(s):** *Biology 1 or Biology 1 Honors (B or better recommended)/Concurrent Enrollment.*

Sciences

A minimum of 2.0 SCI Credits are required.

SCIENCE RELATED COURSES

4600 Robotics

Grades: 9-12

1.0 Credit

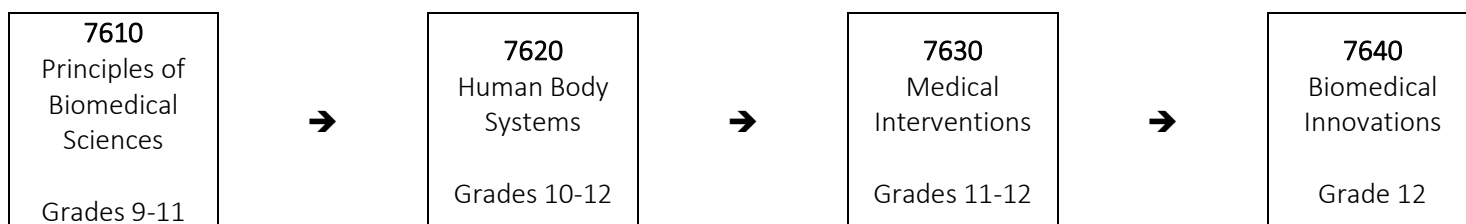
Introduction to Robotics will offer students the opportunity to design, build and program a variety of robots using state of the art materials and programming languages, as they apply the fundamentals of science, math, and technology. The course will introduce the engineering process as students work through constructing robots. This robotics course does not replace the traditional math and science courses needed to pursue a degree in engineering. It is meant to supplement the students' content experience so students considering an engineering career will appreciate the connection between robotics and engineering. Students will apply core concepts of traditional sciences as physics, chemistry and biology in the engineering/robotics pathway. Students will learn to use two different programming languages. Students should have a high interest in robotics. **Prerequisites: Algebra I (B or higher is recommended) and keyboarding skills.**

7610-7640 Project Lead the Way– Biomedical Sciences

Grades: 9-12

1.0 Credit

Additional Option for VOC Credit or Elective Credit. These courses will not replace science requirements for graduation, nor do they replace any college preparatory Science classes. **See CTE: Biomedical Sciences section for full course descriptions.**



9351 Health Careers Exploration

Two Hours

Grades: 11-12

2.0 Credit

The Health Careers Exploration Class is a two-hour class designed to provide high school students with the opportunity to develop the skills and knowledge for the health occupations. The class is yearlong and is offered as an elective class to juniors and seniors. The class emphasizes training in medical terminology, basic health care skills, basic human anatomy, safety practices and ethics. Instruction is delivered through classroom, laboratory, practicum and job shadowing settings. After successful completion of this class the student will be eligible to obtain CNA (Certified Nursing Assistant) certification, and students will find options for employment or further education in health care professions.

Prerequisite(s): Two (2) years of Math -AND- two (2) years of Science -AND- application & selection required.

World Languages

¿Habla Ud. Español? Parlez-vous français? Sprechen Sie Deutsch? Nonne intelligitis Latinam linguam?

Spanish, French, Latin, and German are the languages you can study at Capital High. Spanish is offered in a five-year sequence (grades 8-12), while French is a four-year sequence. Currently, first year Spanish is offered in 8th grade. Latin and German are offered in a three-year sequence. You can begin any of the four languages at any grade in high school. The general recommendation is to take as many years as possible of the same language and even add another language if possible!

Students often ask why studying another language is important

- In most countries learning another language is expected and required as part of the general education of all students.
- Some colleges and universities require 2, 3, or even 4 years of a world language for entrance. Still others require a world language for graduation. Check with individual schools for the requirements.
- After a period of time you will be able to communicate with people in their own language.
- You can use the thinking, memorizing, and organizing skills you have acquired to help you in other classes.
- You will learn more about your own language-grammar and vocabulary.
- Research shows that students who have studied a world language do better on standardized tests (like the SAT) than students who have no language training.

Language	The prerequisite for taking the next level of a language is a passing grade in the previous level				
Latin	Latin 1	Latin 2	Latin 3		
French	French 1	French 2	French 3	French 4	
Spanish	Spanish 1	Spanish 2	Spanish 3	Spanish 4	Spanish 5 AP
German	German 1	German 2	German 3	German 4	

World Languages

LATIN SEQUENCE

5110 Latin 1	Grades: 9-12	1.0 Credit
<p>Latin 1 is the first year of a two-year curriculum in which the students learn Latin as they follow a typical Roman family living in 80 A.D. As they study family life in the vast Empire of Rome, students will learn how to translate Latin and also about Roman culture and mythology. This class includes instruction in basic grammar, idiomatic expressions, proper intonation and accentuation, and how Latin is the foundation for other languages including English.</p>		
5120 Latin 2	Grades: 10-12	1.0 Credit
<p>Latin 2 requires a strong foundation in Latin 1. It is the continuation of the study of Latin grammar, idioms, history, and culture. These concepts are taught through a family history that includes a broad view of Roman history and mythology, and of a Roman's responsibility to society. Students are expected to demonstrate proficiency in verb tenses, Latin syntax and grammar, and vocabulary. <i>Prerequisite(s): Latin 1.</i></p>		
5130 Latin 3	Grades: 11-12	1.0 Credit
<p>Latin 3 requires a strong foundation in Latin 2. Students in Latin 2 will examine authentic texts of both prose and poetry in order to improve mastery of grammar, syntax, vocabulary, verb usage, history and culture. <i>Prerequisite(s): Latin 2.</i></p>		

FRENCH SEQUENCE

5210 French 1	Grades: 9-12	1.0 Credit
<p>French 1 is the beginning course of a four year program. Students begin to develop the four basic language skills (listening, speaking, reading, and writing) and to learn specific techniques to facilitate acquisition of a second language. Emphasis is on acquiring such basic learning skills as following directions, listening actively, participating in drills, memorizing and retaining vocabulary. Spending out-of-class time each day orally studying French is highly encouraged. French 1 also introduces students to the culture, geography, and history of France. Students assume responsibility for their own learning through independent study and self-tests.</p>		
5220 French 2	Grades: 10-12	1.0 Credit
<p>French 2 is designed to improve student communication skills in listening, speaking, reading and writing. Students also increase their understanding of French culture, geography and history. They cover additional grammar and they also advance their reading ability. They participate in oral discussions. A solid background in French 1 is required. Students need to be able to follow directions, organize material, and learn through independent study and self-tests. <i>Prerequisite(s): French 1.</i></p>		
5230 French 3	Grades: 11-12	1.0 Credit
<p>French 3 introduces new grammar concepts and more vocabulary. Listening and reading comprehension are emphasized. Students prepare compositions on assigned topics and present them to the class. Speaking and class discussion reinforce their language learning. <i>Prerequisite(s): French 2.</i></p>		
5240 French 4	Grade: 12	1.0 Credit
<p>French 4 is a continuation of French 3. Students work toward increased fluency and self-confidence in speaking French. Reading, writing, and speaking skills are practiced and formally assessed. The students also perform self-analyses and they each build a portfolio over the course of the year. Readings and film viewings followed by oral and written work assignments sharpen their listening and reading comprehension. <i>Prerequisite(s): French 3.</i></p>		

World Languages

SPANISH SEQUENCE

5310 Spanish 1

Grades: 9-12

1.0 Credit

Spanish 1 is the beginning course of a five year program. Students build a foundational vocabulary base that enables them to begin communicating in Spanish. Vocabulary and fundamental language skills are practiced through activities such as worksheets, presentations, conversations, interviews, discussions, stories, and films. Spanish 1 also introduces the students to elements of Hispanic culture, geography, and history. Students are expected to actively participate in the classroom as well as invest study time outside of class. Upon successful completion of Spanish 1, students should plan to continue with higher-level Spanish courses to gain fluency in the language.

5320 Spanish 2

Grades: 9-12

1.0 Credit

In Spanish 2, the students continue to build communication skills in listening, speaking, reading and writing. They increase their understanding of Hispanic culture, geography and history. They will learn additional grammar and vocabulary by reading novels, short stories, and articles written by Hispanic authors that have been adapted for students at this level. Other class activities include viewing authentic Hispanic films, making presentations and participating in class discussions. A solid background in Spanish 1 is required, and students need to be able to follow directions and organize material. Those who finish the course successfully qualify for Spanish 3. ***Prerequisite(s): Spanish 1. Students who take Spanish 1 in 8th grade are required to get their teacher's signature to register for Spanish 2.***

5330 Spanish 3

Grades: 10-12

1.0 Credit

Students in Spanish 3 further develop the skills necessary for communication in Spanish. They acquire more vocabulary and learn new grammar concepts as well as review and practice previously learned concepts. Students advance their emerging proficiency by performing authentic communication tasks and by using culturally authentic materials like Hispanic literature, film, newspapers and magazines. The class is conducted in Spanish. Students who successfully complete this course may enroll in Spanish 4, or, with instructor consent, advance to Spanish 5 Advanced Placement Language. ***Prerequisite(s): Spanish 2.***

5340 Spanish 4-Culture, Communication, & Conversation

Grades: 11-12

1.0 Credit

Spanish 4 students practice and expand essential communication skills and increase their fluency and self-confidence in speaking Spanish. Students perform authentic communication tasks and use culturally authentic materials as in other Spanish classes. However, class discussions and student compositions reflect more complex language applications and a deeper cultural understanding. Only Spanish is spoken in class. Unless ending their study of Spanish at the secondary level, students who successfully complete this course, may be considered for Spanish 5 Advanced Placement Language.

Prerequisite(s): Spanish 3

5356 Spanish 5- AP

Grades: 11-12

1.0 Credit

****Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.***

Spanish 5 AP Language students continue to refine and enhance acquired communication skills as well as broaden their understanding of Spanish language and Hispanic culture. Students are preparing for college level courses in conversation, composition, and literature. Students take the Advanced Placement Spanish Language Examination in May and, depending on their scores, may receive college credit. Only Spanish is spoken in class. ***Prerequisite(s): Spanish 4.***

World Languages

GERMAN SEQUENCE

5410 German 1

Grades: 9-12

1.0 Credit

German 1 coursework lays the foundation of German language learning including the alphabet, numbers, the case system, and gender of nouns. Topics include introductions, schools and universities, sports and free time activities, family, food and eating out. During the first year students will become familiar with the present and future tenses. At all times there will be an emphasis on the 5 Cs of language instruction: communication, culture, connections, comparisons and communities. Reading, listening, writing and speaking activities provide a comprehensive learning experience. Cultural projects, German films and audio communications complement instruction.

5420 German 2

Grades: 10-12

1.0 Credit

German 2 continues to work on listening, speaking, reading and writing proficiency with such topics as holidays and celebrations, clothing, chores, seasons, transportation and technology. Students learn songs and practice speaking using different tenses, especially the present perfect and simple past. The goals of second year German are (1) to develop a student's appreciation of the German-speaking world by offering opportunities to hear and to read authentic dialogues and interviews, to see photos and videos, and (2) most importantly to allow students opportunities to improve their communication skills. They continue to practice basic survival skills in the language. Cultural projects, German films and audio communications complement instruction. Students may participate in our German exchange program, offered biennially, after completion of German 2. *Prerequisite(s): German 1.*

5430 German 3

Grades: 11-12

1.0 Credit

The major goal at this level is to offer students many personalized activities in speaking, listening, reading, and writing to allow them to gain confidence and higher levels of accuracy in each skill area. Topics include daily routines, health, city life in Germany, professions, nature and the environment. At this level grammatical exactness is stressed. That means there is an ongoing review of previously studied grammar points as well as an introduction to passive and to subjunctive. *Prerequisite(s): German 2.*

5440 German 4

Grade: 12

1.0 Credit

Continued fluency is stressed, as is cultural competency. Students will have the chance to read authentic German literature, as well as to prepare for the Advanced Placement test in German if they so choose. German 4 students may be integrated into a lower-level German classroom or may propose independent study with the teacher upon approval of the teacher and administration. *Prerequisite(s): German 3.*

Fine Arts

A minimum of 1.0 FA credit is required.

	Grade 9	Grade 10	Grade 11	Grade 12
Studio Arts	Art 1 Design Ap 1 Sculpture Unified Art	Art 1,2 Design Ap 1,2 Sculpture Unified Art	Art 1,2, 3 Design Ap 1,2, 3 Unified Art Sculpture Ceramics 1 AP Art Studio (HHS) AP Art History (HHS)	Art 1,2, 3, 4 Design Ap 1,2, 3 Unified Art Sculpture Ceramics 1, 2 AP Art Studio (HHS) AP Art History (HHS)
Photography			Photography 1, 2 Science of Art/Photo	Photography 1, 2 Science of Art/Photo
Band	Freshman Band Modern Band Jazz Band	Modern Band Concert Band Jazz Band Jazz Ensemble	Modern Band Concert Band Jazz Band Jazz Ensemble Symphonic Winds Music Theory Career Prep	Modern Band Concert Band Jazz Band Jazz Ensemble Symphonic Winds Music Theory Career Prep
Orchestra	Beginning Orchestra Intermediate Orchestra	Intermediate Orchestra Advanced Orchestra	Intermediate Orchestra Advanced Orchestra	Intermediate Orchestra Advanced Orchestra
Choir	Treble Choir Tenor-Bass Choir	Treble Choir Tenor-Bass Choir Jubilettes Saturday's Children Jazz Choir	Treble Choir Tenor-Bass Choir Jubilettes Saturday's Children Jazz Choir	Treble Choir Tenor-Bass Choir Jubilettes Saturday's Children Jazz Choir
Drama	Theater 1	Theater 1,2	Theater 1,2,3	Theater 1,2,3

ART OPTIONS

6110 Art 1

Grades: 9-12

1.0 Credit

The Art 1 class is an entry-level full year basic art class designed to expose students to the world of art as well as build confidence and problem-solving skills. Emphasis is placed on Art Production, Art History, and the Elements and Principles of Design. Art I provides an opportunity for students to develop and increase their skills in understanding and creating art. Students will learn about subject matter, media, art history, art methods and techniques. Students will explore drawing, graphic design, computer art, painting, printmaking, sculpture and mixed media. **Art supplies are required and will be covered by class fee. Class fee \$20.00**

6120 Art 2

Grades: 10-12

1.0 Credit

The Art 2 class is a second-level full year art class designed to expose students to the world of art as well as build confidence and problem-solving skills. Emphasis is placed on Art Production, Art History, and the Elements and Principles of Design. Art II provides an opportunity for students to develop and further increase their skills in understanding and creating art. Students will explore subject matter, media, art history, art methods and techniques at the next level. Students will study drawing, graphic design, computer art, painting, printmaking, sculpture and mixed media. **Art supplies are required and will be covered by class fee. Class fee \$25.00. Prerequisite(s): Art 1.**

Fine Arts

A minimum of 1.0 FA credit is required.

ART OPTIONS-CONTINUED

6130 Art 3

Grades: 11-12

1.0 Credit

The Art 3 class is an upper level full year advanced art class. Emphasis is placed on Art Production, Art History, exploration of medium and subject matter as well as exposure to the arts within the Helena community. Art 3 provides an opportunity for students to further increase their skills in understanding and creating art on a more independent level. Students will be responsible for researching artists and art projects that peak their interests with guidance from the instructor. Students will create art with consideration of subject matter, media, art history, art methods and techniques at the advanced level. A sketchbook will be kept throughout the year, and students will be responsible for using their sketchbooks to document ideas and plan out projects. ***Various art supplies are required and will be covered by class fee or additional money if student desires more than the provided materials. Class fee \$30.00. Prerequisite(s): Art 1; Art 2.***

6140 Art 4

Grade: 12

1.0 Credit

The Art 4 class is an upper level full year advanced art class. Emphasis is placed on Art Production, Art History, exploration of medium and subject matter as well as Curating & Exhibition of student and community art. Art 4 provides an opportunity for students to further increase their skills in understanding and creating art on a more independent level. Students will be responsible for researching artists and art projects that peak their interests with guidance from the instructor. Students will create art with consideration of subject matter, media, art history, art methods and techniques at the advanced level. A sketchbook will be kept throughout the year, and students will be responsible for using their sketchbooks to document ideas and plan out projects. ***Various art supplies are required and will be covered by class fee or additional money if student desires more than the provided materials. Class fee \$30.00. Prerequisite(s): Art 1; Art 2; Art 3.***

6150 Design Application 1

Grades: 9-12

1.0 Credit

This is an entry level course designed to introduce students to the world of design in a 3-dimensional fashion. This class will learn and apply the elements of art, and principles of design while using several different mediums potentially including glass, plaster, metal, ink, print making and more. Emphasis is dialed in on ideas, design, and execution of individual pieces as well as exploration of materials. Student will learn about media subject matter, art history, 3-dimensional artists, and explore self to create each project. ***Class fee \$20 and certain supplies wanted by students will need to be provided.***

6160 Design Application 2

Grades: 10-12

1.0 Credit

The Design Applications 2 class is the next step for Design 1 students who would like to gain confidence and build their knowledge in design. Concepts from Design 1 will be utilized to create more complex pieces with deeper meanings. How to utilize design will be implemented with career development in the arts as well as introduction to art and artists around the Helena area. ***Class fee \$20 and certain supplies wanted by students will need to be provided. Prerequisite(s): Design Application 1***

6170 Design Application 3

Grades 11-12

1.0 Credit

Design Application 3 is a course provided for students who have previously completed Design Application 2, and Design Application 1. All the criteria will be used in this course for mastery of design. Each student will be able to choose their projects with guidance from the instructor. ***Class fee \$20 and certain supplies wanted by students will need to be provided. Prerequisite(s): Design Application 1, and Design Application 2***

Fine Arts

A minimum of 1.0 FA credit is required.

ART OPTIONS-CONTINUED

6154 Unified Art

Grades: 9-12

1.0 Credit

This is an entry level course designed to introduce students to the world of art and design in an adapted fashion. This class will utilize adapted materials to create Unified Art for all. Unified Art will engage all students with and without disabilities increasing socialization as well as teamwork in creating fine pieces of art. This class provides a unique opportunity for all students at Capital to receive an equal Art Education, as well as for students to receive experience working with others that could be utilized for future careers.

6141 Art Studio AP

(Offered at HHS)

Grades: 11-12

1.0 Credit

Art Studio AP is a college level course for students who are seriously interested in the practical experience of art. Students work with diverse media, styles and subjects throughout art history to compile portfolios based on the exploration of a range of ideas and approaches to art making. Additionally, portfolios must demonstrate sustained multi-perspective investigations of content, as well as conceptual and technical development over time. Students who choose to submit a portfolio to the College Board and earn a qualifying score are typically eligible to receive college credit and/ or placement into advanced courses in college. Evaluation will be based on sketch journals, projects, portfolios, participation and critiques. **Prerequisite(s): Art 1**

6191 Art History-AP

(Offered at HHS)

Grades: 11-12

1.0 Credit

The study of art history invites students to discover the diversity in and connections among forms of artistic expression throughout history and from around the globe. Students learn about how people have responded to and communicated their experiences through art making by exploring art in its historic and cultural contexts. The AP® Art History course welcomes students into the global art world as active participants, engaging with its forms and content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art.

6210 Ceramics 1

Grades: 11-12

1.0 Credit

Students will develop basic wheel and hand building skills. Beginning ceramics students are expected to work in a fast-paced studio environment. Lectures and demonstrations are provided with time for individual work and instructor assistance. Surface decoration, design, and originality are emphasized. Assessment of design principles and their relationship to surface decoration will be emphasized. **Fees: \$30.**

6220 Ceramics 2

Grade: 12

1.0 Credit

Ceramics 2 is an advanced class, designed for students that have completed the basic ceramics coursework. Students will start to develop an individual style in wheel and hand-built work. Advanced students will also receive kiln loading and glaze formation experience. Students will need to work independently. **Fees: \$30. Prerequisite(s): Ceramics 1.**

6245 Sculpture

Grade: 9-12

1.0 Credit

This "Hands On" art class offers a variety of additive and subtractive concepts exploring the principles and elements of design in the 3-D media. The focus of each project is to expand on individual creativity and understanding within the class guidelines. The class includes lectures, demonstrations, production and finishing processes, and guest artists. Evaluations will be based on production and understanding of techniques. **Materials Required: Students will need to purchase some materials. Art 1 or Design Application 1 is recommended, but not required.**

Fine Arts

A minimum of 1.0 FA credit is required.

PHOTOGRAPHY OPTIONS

6250 Photography 1

Grades: 11-12

1.0 Credit

Creative projects and personal styles are the foundation of the CHS award-winning photography program. Photo 1 is designed with hands on lessons providing the real "tricks of the trade" to capture perfectly exposed, well arranged, exciting and memorable images. Students will learn how to create breathtaking images, capture movement, portray human portraits with splendid emotion, perfectly compose pictures, and take studio-quality shots with your own fancy camera or smartphone, and more! You will also learn artistic elements, color theory, how to work in manual mode on a camera, and all about the different camera features & buttons. Then you will learn to correctly convert, manage, and edit your images using Photoshop, editing software and apps to expressions your images as fine art. Students will top off their fabulous experience by framing and submitting their fine art to contests and art shows and making gifts. Whether at school, in your home, or on vacation you'll know how to take pictures like a pro! An app filter or more expensive camera won't guarantee your pictures are satisfying and impressive... only the right skills can do that. And you find this all in Photo 1! **Fees: \$20.**

6260 Photography 2

Grades: 11-12

1.0 Credit

Have you been taking pictures for a while? Great! It's time to expand your confidence & versatility behind the camera. And Photo 2 is your class! You'll quickly review the basics then move into the advanced training, mechanics & techniques of digital cameras from a professional angle. We will, also, dive into advanced skills in Photoshop, personal web sites & social media galleries. You will explore your style with personal projects creating a portfolio concentrating on complex aspects of exposure, printmaking skills, lighting and composition guaranteed to impress all! You will also learn the historical events and trends that gave rise to photography and shaped the current attitudes, aesthetics, and direction of image making. Students will top off their fabulous experience by printing, framing, and submitting their fine art photo prints to contests and art shows. Light metering, capturing emotion, increasing impact, making a statement, connecting to your local photography community, finding the fresh angle on your subject, telling the story with your camera, using the "magic hour" effectively, snapping images with complete confidence in your results, creating dimension and depth that draws people into your pictures and SO MUCH MORE is waiting for you in Photo2! **Fees: \$20. Prerequisite(s): Photo 1.**

6271 The Science and Art of Photography (Film Photography)

Grades: 10-12

1.0 Credit

This upperclassman course will introduce students to the awesome world of FILM photography! Shooting film is an incredible experience and becoming very popular! Film photos are difficult to simulate with digital cameras. So developing your own film, making negatives, producing prints, and seeing how they turned out is so exciting! Plus, a lot of photography concepts became clearer as you learn more about film. Shoot your first roll of film, learn to digitize your images, and have a blast experimenting with a variety of fun vintage cameras- including Polaroid & fancy pinhole cameras. You will learn the science & art of photography along with the differences & similarities between film & digital. This class is perfect for beginners who want to take amazing photos AND those looking to expand their photo knowledge. It's a perfect class for those who are artists and those interested in science. Cameras are provided; plus, you can take the digital-focused Photo 1 or 2 Class along with this Film Photo class in the same year!

Fine Arts

A minimum of 1.0 FA credit is required.

MUSIC OPTIONS

6300 Freshman Band

Grade: 9

1.0 Credit

This 9th grade ensemble is the introduction to the Capital High School band program. Instruction will focus upon the development of instrumental technique, the establishment of correct practice habits and routines, and the cultivation of ensemble skills. Students will study and perform music which reinforces their on-going musical development and challenges them to advance their skills as they prepare for the more advanced ensembles. In addition to regularly required school performances, this band will also perform at the District Band Festival and other Band Festivals as scheduled. ***Prerequisite(s): At least one year of previous successful band experience or audition with director.***

6320 Concert Band

Grades: 10-12

1.0 Credit

This ensemble functions as the primary “stepping stone” into the Symphonic Winds. As such, the main objective of the Concert Band is to prepare the student technically and musically to participate at a higher level. Instruction will emphasize the development of instrumental technique and the further refinement of ensemble skills. Students will also study and perform music literature of a variety of styles and genres. In addition to regularly required school performances, this band will also perform at District Band Festival and other Band Festivals as scheduled. Membership consists primarily of students in 10th & 11th grade. ***Prerequisite(s): Two years previous of successful band experience or audition with the director.***

6330 Modern Band

Grades: 9-12

1.0 Credit

Do you want to be a Rockstar? Have you ever wanted to learn to play electric guitar, electric bass, drums, keyboard, sing, ukulele, banjo, compose music, write songs, become a rapper, learn about music technology, or how to put a band together??? Then Modern Band is the class for you!!! Everyone is welcome and encouraged to join. Students will put together a band(s), arrange music of all styles, write and perform their own music, and tour/play performances in and around Helena and Montana...No Experience Necessary!!! All that is needed is a positive attitude and a willingness to learn and act within a team environment. The only prerequisite for this course is that you may not quit band, orchestra, or choir to join. If you are currently a member of the CHS Band, Orchestra, or Choir you must use an extra elective to join.

6360 Symphonic Winds

Grades: 11-12

1.0 Credit

This is the premier band at Capital High School. Membership is made up of students who have achieved a high level of musical proficiency upon their respective instruments. As such, members are primarily 11th and 12th grade students with the possible inclusion of skilled 10th graders. Private lessons on one’s instrument are highly encouraged for all members. This band exists as a laboratory to apply previously learned skills. Students will study and perform advanced literature and focus upon the finer details of music making while raising their standards of excellence through on-going technique development and sight-reading skills. In addition to the required school performances, this band will perform at AA Band Festival, District Band Festival, and will also be afforded every opportunity to travel to a variety of educational music festivals. ***Prerequisite(s): Three years previous of successful band experience or audition with the director.***

Fine Arts

A minimum of 1.0 FA credit is required.

MUSIC OPTIONS-CONTINUED

6370 Jazz Band

Grades: 9-12

1.0 Credit

This introductory-level jazz band is intended to provide experience to those interested in exploring the jazz medium. The band is open to all; however, there are some exceptions due to the instrumentation restrictions of the standard jazz literature. Auditions may be required to successfully establish the correct instrumentation. Instruction will focus upon the development of instrumental technique, and the exploration of a variety of jazz styles and idioms. The art of jazz improvisation will be introduced through the study of jazz theory and hands-on practice and performance. In addition to required school concerts, this jazz ensemble may be invited to perform outside of school on numerous occasions. Performances may include festivals, fundraising benefits, and community events. ***Prerequisite(s): Students must be concurrently enrolled in one of the other bands in the department. Depending upon instrument, concurrent enrollment in an orchestra or chorus may also be accepted. Auditions may be necessary in order to establish correct instrumentation.***

6371 Jazz Ensemble

Grades: 10-12

1.0 Credit

This is the premier jazz ensemble at Capital High School. Entrance into this group is by audition only. Students will enhance and further develop their individual instrumental technique while refining their advanced ensemble skills. Creative improvisation in a variety of styles will be focused upon through the study of jazz theory and hands-on practice and performance. It is highly recommended that those interested participate in Jazz Band for one year to establish a foundation in jazz styles and harmony. In addition to required school concerts, this jazz ensemble will be required to perform outside of school on numerous occasions. Performances may include festivals, fundraising benefits, and community events. ***Prerequisite(s): Students must be concurrently enrolled in one of the other bands in the department. Depending upon instrument, concurrent enrollment in an orchestra or chorus may also be accepted. Admission is through audition with the director.***

6411 Beginning String Orchestra

Grades: 9

1.0 Credit

The Capital High Beginning (Freshman) String Orchestra is open to all incoming Freshman regardless of previous orchestral experience. If you do not have previous experience, but want to learn a string instrument, this is the class for you! Beginning Orchestra will focus on making sure all students have a solid foundation for continuing in high school orchestra. Students are expected to practice weekly, and to come to class prepared to play every day. All students must have their own instrument for this class. If a student does not or is not able to own/rent an instrument, they must contact the Director to make arrangements for a school instrument.

6410 Intermediate String Orchestra

Grades: 9-12

1.0 Credit

The Capital High Intermediate String Orchestra is open to all Sophomores - Seniors with previous orchestral experience, as well as Auditioned Freshman. All students must have their own instrument for this class. If a student does not or is not able to own/rent an instrument, they must contact Mr. Harris to make arrangements for a school instrument. ***Prerequisite(s): Freshmen: Audition and selection, Director's signature; Sophomore-Senior: Previous orchestra experience and/or a meeting with the director.***

6420 Advanced String Orchestra

Grades: 10-12

1.0 Credit

Advanced (Auditioned) String Orchestra is open to Sophomore's through Seniors' with at least 1 years' previous high school orchestra experience. Freshman will only be eligible for the class if they meet the following requirements: 1. Qualify for All-State Music Festival, 2. Participation in both Intermediate and Advanced Orchestra (extra elective), and 3. Director's approval. It is highly recommended that members take private lessons. All students must have their own instrument for this class. If a student does not or is not able to own/rent an instrument, they must contact Mr. Harris to make arrangements for a school instrument. Every student in Advanced (Auditioned) String Orchestra will be required to re-audition annually. ***Prerequisite(s): Audition and selection; Director's signature; Freshman: must qualify for All-State – AND – concurrent enrollment in Intermediate Orchestra.***

Fine Arts

A minimum of 1.0 FA credit is required.

MUSIC OPTIONS-CONTINUED

6510 Treble Choir

Grades: 9-12

1.0 Credit

This class is an opportunity for anyone who sings in the treble range. No student will be refused admittance. Students will study music theory, sight-reading, and music appreciation through class participation, performances, and district music festival. *Prior choir experience is helpful, but not necessary. No audition is required.*

6511 Tenor-Bass Choir

Grades: 9-12

1.0 Credit

This class is an opportunity for anyone who sings in the tenor-bass range. No student will be refused admittance. Students will study music theory, sight reading, and music appreciation through class participation, performances and District Music Festival. *Prior choir experience is helpful, but not necessary. No audition is required.*

6560 Jubiletttes

Grades: 10-12

1.0 Credit

This is a select choir for students with voices in the treble range. Members are required to have at least one year in Treble Choir, or show exceptional ability. Students will study more advanced music theory concepts, sight reading, and music appreciation through class participation, performance and District Music Festival. *Prerequisite(s): Audition and selection required.*

6570 Saturday's Children

Grades: 10-12

1.0 Credit

This is the most advanced large ensemble at Capital High School. Members are required to have taken Tenor-Bass Choir, Jubiletttes, Treble Choir, or show exceptional ability. This group is a touring choir. Members should be prepared to fund-raise for tours and traveling opportunities. Students will study advanced music theory concepts, sight reading, and music appreciation through class participation, performances and District Music Festival. *Prerequisite(s): Audition and selection required; Director's signature.*

6571 Jazz Choir

Grades: 10-12

1.0 Credit

This is a select choir of up to 16 voices. Membership will vary based on ability and voicing. This class explores advanced classical choral literature as well as repertoire in pop and jazz styles. It requires particularly strong music-reading and listening skills to learn music quickly and maintain close harmonies. Students will study advanced music theory concepts, sight reading, and music appreciation through class participation, performances and District Music Festival. *Prerequisite(s): Audition and selection required; Concurrent enrollment in a music ensemble; Director's signature.*

6575 Music Theory Careers Prep

Grades: 11-12

1.0 Credit

Music Theory Careers Prep class is intended to guide and educate students who are considering music education or performance as a career path. Through the course, students will gain foundational knowledge of music theory, music technology, ensemble leadership, and career paths. *Prerequisite(s): Concurrent enrollment in a music ensemble.* In order to receive full boar credit, you will have to take both semester 1 & 2 in same school year.

Fine Arts

A minimum of 1.0 FA credit is required.

DRAMA OPTIONS

6700 Theater 1

Grades: 9-12

1.0 Credit

This is an introductory course to theatre and all its wonders. No experience? No problem! You'll be introduced to the basic elements of the theatre itself as well as the foundational tools to begin acting like a pro! You will be expected to memorize monologues, design and perform with puppets, act in scenes with your peers and more. Some film history is also included in this course.

6710 Theater 2

Grades: 10-12

1.0 Credit

This course strengthens technique learned in Theatre 1. This year we focus on your voice, shaping its range, and your overall awareness of yourself on stage with the use of intentions. We will cover some theatrical concepts such as monologues, scenes, radio plays, storybook theatre, and more. ***Prerequisite(s): Theater 1. Audition and selection required.***

6720 Theater 3

Grades: 11-12

1.0 Credit

This course combines third and fourth year students and delves into the nuance of theatre. Students will be expected to write scripts, edit and shoot short films, and analyze canonical plays from around the world. An acting component exists, but on a higher, professional level, with an emphasis on movement and presence. ***Prerequisite(s): Theater 1 and 2. Audition and selection required.***

Career & Technical Education: Industrial Technology

A minimum of 1.0 VOC credit is required.

CHS INDUSTRIAL TECHNOLOGY COURSES RECOMMENDED SEQUENCE OF COURSES				
Grade 9	Industrial Technology and/or Drafting I			
Following Industrial Technology and/or Drafting I, students can then choose a CTE concentration.				
	Welding ↓	Drafting ↓	Carpentry/Building Trades ↓	Auto ↓
Grade 10	Welding 1	Drafting 1	Carpentry 1	Auto 1
Grade 11	Welding/Machining 2	Drafting 2 (Mechanical)	Carpentry 2	Auto 2
Grade 12	Welding 3/ Machining 3	Drafting 3 (Architectural)	Carpentry 3	Auto 3

7100 Industrial Technology

Grades: 9-12

1.0 Credit

This course is designed for students to develop introductory skills and knowledge in a wide variety of industrial related processes, systems, and tools. The content of the course is based on drafting, construction, woodworking, cabinetmaking, problem solving, engineering and power tool technology. This is a great “hands-on” class for students to learn a wide variety of useful skills and knowledge while strengthening academic skills as they apply to industrial problems. All freshmen are strongly encouraged to take this class as a foundation before taking other CTE trades classes that are available sophomore year. *Note: A student who fails 1st Semester will have a conference with an administrator, the teacher, and a parent to discuss continued enrollment 2nd Semester.* **Fees: \$35**

7140 Drafting 1 (Basic Drafting)

Grades: 9-12

1.0 Credit

This is an individualized instruction program designed to acquaint students with basic drafting equipment and procedures. The course includes the use of drafting instruments, lettering, geometric construction, sketching and multi-view drawing. This course is recommended for those students contemplating a career in construction, engineering or architecture. Basic Drafting (Drafting 1) is a prerequisite for all other drafting courses.

7153 Drafting 2 (Mechanical Drafting)-S1

Grades: 10-12

.5 Credit

7154 Drafting 2 (Mechanical Drafting)-S2

Grades: 10-12

.5 Credit

This is the continuation of Basic Drafting, which allows the student to pursue, in more depth, their particular area of interest in Drafting. It will also cover drafting media, reproductions and inking. May be repeated for credit each semester. Second semester students enrolled in this class will be introduced to computer aided drafting, three-dimensional modeling and animation. All design and drawing will be accomplished using computers, plotters and printers. Recommended for those contemplating a career in engineering. **Prerequisite(s): Drafting 1.**

7163 Drafting 3 Arch. (Architectural Drafting)-S1

Grades: 10-12

.5 Credit

7164 Drafting 3 Arch. (Architectural Drafting)-S2

Grades: 10-12

.5 Credit

One set of house plans will be designed and drawn. Student will learn drawing conventions, individual room design, perspective drawing and rendering. May be repeated for credit each semester. Second semester students enrolled in this class will be introduced to computer aided drafting, three-dimensional modeling and animation. All design and drawing will be accomplished using computers, plotters and printers Recommended for those contemplating a career in construction or architecture. **Prerequisite(s): Drafting 1.**

Career & Technical Education: Industrial Technology

A minimum of 1.0 VOC credit is required.

7170 Carpentry 1	Two Hours	Grades: 10-12	2.0 Credits
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In this class, students learn the basic terminology and practices of construction along with furniture building and cabinetmaking. Safe work practices will be instructed and followed. Students will learn the proper use of construction and woodworking tools and their applications. Construction practices taught will include wall framing, stair construction, floor construction, rafter construction, exterior finishing and finish carpentry. Students will be introduced to other aspects of Building Trades such as Plumbing and Electrical. Students will be introduced to the principles and practices of furniture building and cabinetmaking. Students will construct their own furniture and cabinetmaking projects. *Note: A student who fails 1st Semester will have a conference with an administrator, the teacher, and a parent to discuss continued enrollment 2nd Semester.* **Materials Required: Safety glasses, tape measure, and wood glue bottle, along with materials for projects. Fees: \$35**

7190 Carpentry 2	Two Hours	Grades: 11-12	2.0 Credits
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Students in this class will have the opportunity to further develop their woodworking skills to construct advanced products in construction and/or furniture building/cabinetmaking. Students will continue learn how to safely operate all power and hand tools provided in the lab. Instruction will be by lecture, demonstration and "lots of" hands-on activity. Students are expected to be ready to build individual projects with various joints and a higher degree of difficulty on their projects. Proper construction techniques, fastener, hinge installation and finishing practices will be stressed. After completing the required course work, the student will be expected to build projects of his/her own choosing. Examples of projects that may be built are: furniture, tables, cabinets, games, etc.. Students must furnish materials for projects of their choice. **Materials Required: Safety glasses, tape measure, and glue bottle. Fees: \$35. Prerequisite(s): Carpentry 1.**

7173 Carpentry 3	Two Hours (P5 & 6)	Grade: 12	2.0 Credits
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For this class students will choose from one of two options:

Apprenticeship/Internship: for this option, students will find employment with a local building trades company. If the student is entering an apprenticeship after high school graduation, this is an opportunity to begin working in their respective trade during the afternoon gaining valuable work experience and hours toward progressing on the apprenticeship scale. Students who are not entering apprenticeships after high school can find employment as an intern with a local building trades company. The internship option is ideal for someone entering college, trade school or the military following high school graduation. The student will work afternoons gaining valuable work and employability experience to open doors following high school. Examples of building trades companies include the areas of construction, electrical, plumbing, HVAC and cabinet shops. Student will track their hours worked and journal on their experiences to keep track of the on-the-job training they are learning. Students choosing this option must be enrolled in the school's pre-apprenticeship program recognized by the Montana Dept. of Labor and Industry.

Advanced Woodworking: for this option, students will engage in design, planning and building of high-end difficult woodworking projects. Students will continue to grow in their ability to use woodworking equipment effectively to produce high quality projects. Project examples include: bedroom sets, dining room table and chairs, kitchen cabinets, living room sets and community projects. Students must furnish materials for projects of their choice.

Materials Required: Safety glasses, tape measure, and glue bottle. Fees: \$35 Prerequisite(s):Carpentry 1

Career & Technical Education: Industrial Technology

A minimum of 1.0 VOC credit is required.

7210 Auto Skill Tech 1 (NATEF)	Two Hours	Grades: 10-12	2.0 Credits
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This course is designed to acquaint the student with the basic skills and technology of an automobile. This course is divided into the following subject areas: Hand tools and safety, engine theory and rebuild, Cooling systems, Lubrication systems, Brakes, Steering systems, Suspension systems and Alignment. Approximately 60% of the course work will be involved with classroom activities using school owned automotive components. The remainder will be using school owned as well as student owned vehicles. Access to a vehicle is not necessary but encouraged. The cost of student projects will be covered by the student. With the major advances in Automotive Technology students will need a working knowledge of the vehicle and vehicle systems to make necessary repairs. A student failing the 1st semester will not continue to the 2nd semester. **Materials Required: Safety glasses. Fees: \$80.**

7220 Adv. Auto Tech 2 (NATEF)	Two Hours	Grades: 11-12	2.0 Credits
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This course is designed for the student who has an interest in an in-depth study of the automotive industry. The course is divided into the following subject areas: Basic Electricity, Starting Systems, Charging Systems, Computer Controls, OBD I and II, Fuel Systems and Ignition Systems, The class will be divided between the classroom and shop activities. Approximately 50% of the class will be spent in the classroom and the other 50 % spent in the shop. Students are encouraged to have a vehicle to work on but it is not a requirement for the class. The cost of student projects will be covered by the student. A student failing the 1st semester will not continue to the 2nd semester.

Materials Required: Safety glasses. Fees: \$80. Prerequisite(s): Auto Skill Tech 1.

7203 Auto Tech 3 (NATEF Certification)	Two Hours	Grade: 12	2.0 Credits
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DUAL CREDIT Helena College: AUTO 104 Automotive Mechanics

***DC Note:** Students must meet the college's placement criteria and are responsible for college registration, cost of tuition, and fees.

This course is designed for the student who has an interest in pursuing post-secondary education or pursuing a career in the automotive field of study. Advanced diagnostic practices will be discussed in this class. Other subject matter covered in this course is: Transmissions (Automatic and Manual), Transfer cases, Advanced Computer Diagnostics, Drivelines and Drive Axles, Traction Control and ABS. Approximately 30% of the class will be spent in the classroom and 70% will be spent in the shop. Students are encouraged to have projects to work on but are not required. The cost of student projects will be covered by the student. A student failing the 1st semester will not continue to the 2nd semester.

Materials Required: Safety glasses. Fees: \$80. Prerequisite(s): Adv. Auto Tech 2 (C or higher recommended).

Career & Technical Education: Industrial Technology

A minimum of 1.0 VOC credit is required.

7230 Welding 1

Grades: 10-12

1.0 Credit

This is an introductory technical welding course designed to develop student skills in Shielded Metal Arc welding, Gas Metal Arc welding, Oxy/Acetylene welding, Plasma-Arc Cutting and Oxy-Acetylene Cutting. Students will also be introduced to blacksmith forging, metallurgy, metal forming, CNC Plasma Cutting and basic project fabrication. Students will do at least one welding fabrication project each quarter along with assigned weld coupons. Note: A student who fails 1st Semester will have a conference with an administrator, the teacher, and a parent to discuss continued enrollment 2nd Semester. **Materials Required:** *Welding gloves, pliers, coveralls, *safety glasses, leather boots, 1" 3-ring binder. **Welder's cap is recommended.** **Fees:** \$35 (*includes costs for gloves and safety glasses).

7240 Welding/Machining 2

Two Hours

Grades: 11-12

2.0 Credits

First semester is an advanced course in which students will develop skills in out-of-position welding using GMAW-Spray, Flux Core Dual Shield, Short Circuit, and Self Shielding core wire and SMAW processes. Students will also strengthen torch cutting skills using Oxy/Fuel, Air Carbon Arc, and Plasma cutting processes. Students develop skills in Computer Aided Design (CAD), introductory CNC milling machining through related projects. Students will also learn blueprint reading, drafting, project material calculation, and drill bit sharpening. All welding during the first semester will be done on practice coupons until the student reaches a high enough level of proficiency to consistently produce quality welds. Second semester will focus on GTAW, making project plans, developing bill of materials for projects, welding project fabrication of personal welding projects, learning welding symbols for blueprint reading, micrometer reading, threading, introduction to CNC lathes and advancing milling machine operational and programming skills. Throughout the year students will also be learning and working through a "work ethic" training program that is designed to help prepare students for the real world of work. Students will be required to pay for the materials for all personal projects while in class. Note: A student who fails 1st Semester will have a conference with an administrator, the teacher, and a parent to discuss continued enrollment 2nd Semester. **Materials Required:** Welding helmet, welding gloves, pliers, wire cutters, coveralls, safety glasses, leather boots, 3-ring binder with dividers, USB thumb drive, and calculator. **Fees:** Students will cover the cost of their own projects. **Prerequisite:** Welding 1 (C or better recommended).

7250 Welding 3

Two Hours

Grade: 12

2.0 Credits

DUAL CREDIT Helena College: WLDG 112 Cutting Processes Great Falls College: WLDG 100 3

***DC Note:** Students must meet the college's placement criteria and are responsible for college registration, cost of tuition, and fees.

The focus of this course will be to strengthen and advance student welding, engineering, and fabrication skills as they apply to personal welding projects, welding careers, and related industrial certifications. All costs of projects will be assumed by the student. Students in this course will focus on the fabrication of advanced personal welding projects, strengthening blueprint reading skills, advanced torch cutting and metal fit-up techniques and training for AWS welding certifications in 3g and 4g positions. AWS certifications will be done on 3/8" or 1" plate in Flux Core Dual Shield and Shielded Metal Arc Welding processes with 7018 welding rod. All students will be required to get certified in these two areas and can also earn additional certifications in Gas Tungsten Arc Welding. Students will also learn cutting and fitting of pipe and various structural steels using various cutting processes and methods. All students will do a job shadow with a Montana Welding business at the end of 2nd Semester. This course is offered as dual credit in conjunction with the Helena College and Great Falls College welding programs. Note: A student who fails 1st Semester will have a conference with an administrator, the teacher, and a parent to discuss continued enrollment 2nd Semester.

Materials Required: Welding helmet, welding gloves, pliers, wire cutters, coveralls, safety glasses, leather boots, 3-ring binder with dividers, USB thumb drive, and calculator. **Fees:** Students are responsible for the cost of their own project materials. **Prerequisite(s):** Welding/Machining 2 (C or better recommended).

Career & Technical Education: Industrial Technology

A minimum of 1.0 VOC credit is required.

7255 Machining 3

Two Hours

Grade: 12

2.0 Credits

DUAL CREDIT Helena College: MCH 234 CNC Milling Operations, Flathead Valley Community College MCH-122-44

**DC Note: Students must meet the college's placement criteria and are responsible for college registration, cost of tuition, and fees.*

The focus of this course will be to strengthen and advance student CNC machining and engineering skills as they apply to personal machining projects, machining and mechanical engineering careers, and related industrial certifications. Students in this course will focus on the design and CNC machining of advanced machining projects using CNC mills and lathes. Students will train to become Haas Milling Operator certified as well as NIMS CNC Mill Operator certified. All seniors in the program will enter Mastercam Software's National Wildest Parts machining contest with a senior project of their choice during the spring semester. All students will do job shadows at the end of 2nd semester with a Montana manufacturing businesses. Students will learn advanced solid modeling, advanced programming in 2d, 3d, and 4th axis for milling and lathe using Mastercam software, blueprint reading, basic G D and T, work holding techniques, and manual G and M code programming for CNC mills. This course is project based and all machining principles, knowledge, and techniques will be taught through a wide variety of exciting student projects such as making custom hunting knives and custom fishing rods Note: A student who fails 1st Semester will have a conference with an administrator, the teacher, and a parent to discuss continued enrollment 2nd Semester.

Fees: Students are responsible for the cost of their own project materials.

Prerequisite(s): Welding/Machining 2 (C or better recommended).

Career & Technical Education: Business Education

A minimum of 1.0 VOC credit is required.

BUSINESS/MARKETING/TECHNOLOGY EDUCATION

The ability to use computers to perform everyday tasks is one of the most important skills for the 21st Century. Business-related skills and interpersonal skills permeate every aspect of our lives, regardless of our chosen career field. These skills will also carry over into all other high school curriculum.

In today's technological world, business skills give the extra edge when competing for jobs whether in Montana, the United States, or the world. The Business program at Capital High School helps to prepare students by placing emphasis on the development of each student's ability and potential. Work ethic is expected and learned through everyday class procedures. It is our goal to provide students with rigorous, relevant courses that will better prepare them for the real-world.

BUSINESS/MARKETING/TECHNOLOGY EDUCATION COURSE OFFERINGS

Grade 9	Grade 10	Grade 11	Grade 12
Basic Computer Skills	Basic Computer Skills	Basic Computer Skills	Basic Computer Skills
Technology Skills for Life	Technology Skills for Life	Technology Skills for Life	Technology Skills for Life
Career Planning	Money Management	Money Management	Money Management
Yearbook	Career Planning	Career Planning	Career Planning
Robotics	Basic Elements of Graphic Design	Basic Elements of Graphic Design	Basic Elements of Graphic Design
Marketing Ed 1	Graphic Design II	Graphic Design II	Graphic Design II
	Microsoft Office WORD*	Law & Justice	Law & Justice
	Microsoft Office EXCEL*	Microsoft Office WORD*	Microsoft Office WORD*
	Accounting 1*	Microsoft Office EXCEL*	Microsoft Office EXCEL*
	Yearbook	Accounting 1*	Accounting 1*
	Yearbook 2	Accounting 2	Accounting 2
	Computer Science	Yearbook	Accounting 3
	Video Broadcasting	Yearbook 2	Yearbook
	Robotics	Computer Science	Yearbook 2
	Marketing Ed 1	AP Computer Science	Computer Science
	Small Business Management	Video Broadcasting	AP Computer Science
	Sports & Enter. Marketing	Video Broadcasting 2	Video Broadcasting
	Business Co-Op**	Robotics	Video Broadcasting 2
		Marketing Ed 1	Robotics
		Small Business Management	Marketing Ed 1
		Sports & Enter. Marketing	Small Business Management
		Marketing Management	Sports & Enter. Marketing
		Business Co-Op**	Marketing Management
			Business Co-Op**

* This course is available for dual credit through Helena College.

**Must be concurrently enrolled in another Business or Marketing class to take this course.

Business Professionals of America (BPA)

This organization prepares students for the business workforce through advancement of leadership, citizenship, academic, and technological skills.

Distributive Education Clubs of American (DECA)

Marketing Education related activity open to all students enrolled in the Marketing classes.

Career & Technical Education: Business Education

A minimum of 1.0 VOC credit is required.

7301 Basic Computer Skills

Grades: 9-12

.5 Credit

This class is designed for the student who desires to improve their overall keyboarding skills. This semester class will focus on learning the alphabetic and numeric keyboard and symbols by touch, as well as use Microsoft Word to create, write, and format personal documents such as memos letters, reports, and tables. Grades are based on the quality of daily class work and projects, speed and accuracy, practice, tests, and work habits.

7304 Technology Skills for Life

Grades: 9-12

.5 Credit

Students will enhance their skills in business applications through the use of digital technology. This semester length course will focus on document processing, spreadsheets, databases, and presentations using Microsoft Office Word, Excel, Access, and PowerPoint. Students will demonstrate the ability to use the Microsoft Office suite of applications and gain exposure to various applications of technology in the business world. **Recommended Prerequisite:** *Basic Computer Skills is recommended first if student's keyboarding skills are less than 25 words per minute.*

7310 Money Management

Grades: 10-12

1.0 Credit

Money Management will prepare you to make wise consumer decisions, prepare you for future employment, and teach you to apply business principles to your personal life. This course also serves as a background for other business courses you may take in high school and in college. Do you know how to manage a checking account? Will you run out of money before your bills are paid? Why does car insurance cost so much? How does the stock market work? Why do some pay less when they buy a car just like yours? Are you entitled to an income tax refund? Why is good credit so important? Should you sign a lease when you rent? Learn the answers to these questions and more. Class work, homework, and tests are all part of the final grade.

7322 Basic Elements of Graphic Design with Adobe Photoshop

Grades: 10-12

.5 Credit

Are you interested in acquiring greater skills in Photoshop? You'll learn to edit photographs and manipulate graphics to produce quality images. Students are encouraged to use creativity, independence, and rules of design throughout the lessons. This is a great class for both beginners and experienced Photoshop users. The course starts with the basics on how to use Photoshop, and through a variety of projects, students learn how to become independent with their Photoshopping skills. Projects utilize student photos or Internet images and focus on manipulating them into fun designs. A few examples of projects that will be completed include transforming yourself into an avatar and a fallen angel, creating a movie poster, and much more!

7320 Graphic Design 2 (Adobe InDesign, Illustrator, & Photoshop)

Grades: 10-12

.5 Credit

Graphic Design 2 will continue to build on concepts taught from Basic Elements Graphic Design. Course explores the commercial aspects of art. Techniques include freehand drawing within design software, lettering, and computer enhancement for commercial advertising, posters and illustrations. Software utilized will include Photoshop, InDesign, Illustrator, and other programs. The class will be more project orientated which will allow students to use their newly acquired software skills and their creativity. **Prerequisite:** Basic Elements of Graphic Design

7330 Career Planning

Grades: 9-11

.5 Credit

Do you know what you'll do with the rest of your life? Do you wonder if you will be successful in the career you think you want as an adult? Better yet, do you wish you even had a clue about what career you would enjoy? Have you started to think about what happens after high school? How much money does it take to live anyway? If you are interested in figuring out what you want out of life and becoming confident that you will be able to make that happen for yourself, sign up for Career Planning! YOU are the topic of study! Discover what aspects of your life should be looked at when choosing a career. This class is appropriate for all students whether college bound or not. You'll end the semester better equipped to make your life a success.

Career & Technical Education: Business Education

A minimum of 1.0 VOC credit is required.

7332 Senior Career Planning Grade: 12 .5 Credit

Selecting a college/training program upon graduation is a stressful and expensive venture. The purpose of this course is to provide an opportunity for students to learn about and adopt methods to promote their success in post-secondary training including 2- and 4-year schools, apprenticeships, military, and certification programs. Students will complete the FAFSA, college/training applications, personal resume, scholarships, and a budget. Students will also be introduced to a variety of colleges/training programs and their resources, selected study skills and personal resource management methods that support success in school and life.

7340 Law & Justice Grades: 11-12 .5 Credit

No one – whatever age or occupation – can escape the influence and effects of law. By providing wide exposure to the legal rights and responsibilities of people in many circumstances, Law & Justice covers a broad base of everyday legal activities in which an individual is likely to become involved. Topics include criminal and civil law, contracts, consumer protection, and personal property. Many speakers from Helena's legal community will visit the class. Students will participate in a crosstown mock trial. *Law & Justice is NOT a pre-law course.*

7360 Microsoft Word Grades: 10-12 .5 Credit

DUAL CREDIT Helena College: CAPP 154 MS Word

**DC Note: Students are responsible for college registration, cost of tuition, and fees.*

This is an in class, facilitator led, independent study course. Microsoft Word is a word processing application used as a tool for creating professional-looking documents and basic Web pages. Students will use Word to create text-based documents such as letters, memos, reports, flyers, and newsletters. The course is set up where the students will be challenged to apply what they have learned by completing projects at the end of each chapter. Students may also have an opportunity to explore Microsoft Office Access, PowerPoint, and/or Publisher at the end of the semester. **Prerequisite(s): Basic Computer Skills and/or Tech Skills for Life (please see your counselor if you have not taken these and are interested, but have past Microsoft experience)**

7361 Microsoft Excel Grades: 10-12 .5 Credit

DUAL CREDIT Helena College: CAPP 156 MS Excel

**DC Note: Students are responsible for college registration, cost of tuition, and fees.*

This is an in class, facilitator led, independent study course. Microsoft Excel is a tool for creating professional-looking spreadsheets. Students will learn to use Excel to build and analyze business, personal, or financial documents that today our information-driven world demands from businesses. Students will use Excel to create spreadsheets and charts and incorporate data, conditional formatting, formulas, functions, charts, and pivot tables. The course is set up where the students will be challenged to apply what they have learned by completing projects at the end of each chapter. Students may also have an opportunity to explore Microsoft Office Access, PowerPoint, and/or Publisher at the end of the semester. **Prerequisite(s): Basic Computer Skills and/or Tech Skills for Life (please see your counselor if you have not taken these and are interested, but have past Microsoft experience)**

7370 Accounting 1 Grades: 10-12 1.0 Credit

DUAL CREDIT Helena College: ACTG101 Accounting Procedures

**DC Note: Students are responsible for college registration, cost of tuition, and fees.*

Accounting is the language of the business world. Accounting will help students understand the financial activities of a business and will better prepare them to make wise financial decisions and maintain personal financial records. Students will learn the basic principles of the accounting cycle from analyzing and recording everyday transactions to preparing and interpreting financial statements and supporting data. Accounting for sole proprietorships is emphasized, including special journal accounting procedures. Activities from both a service and merchandising business, including payroll and related taxes are covered.

Career & Technical Education: Business Education

A minimum of 1.0 VOC credit is required.

7371 Accounting 2

Grades: 11-12

1.0 Credit

Accounting 2 is for students who plan to prepare for job-entry accounting in business offices, or who plan to enroll in related college or technology school courses. Accounting 1 concepts will be reinforced and built upon. Accounting for partnerships and corporations will also be emphasized. Students will be introduced to QuickBooks and keep financial records for a business. ***Prerequisite(s): Accounting 1***

7374 Accounting 3

Grade: 12

1.0 Credit

Accounting 3 is a continuation of Accounting 2 for those students with an avid interest in choosing accounting or finance as a profession. Areas of study will include: analyzing financial statements, voucher systems, departmental accounting, and manufacturing accounting. More in-depth use of QuickBooks will be utilized in this course. Students may have the opportunity for a professional accounting-related internship. ***Prerequisite(s): Accounting 1 & 2***

7380 Business Cooperative

Grades: 10-12

.5 or 1.0 Credit

Cooperative business and marketing education is a program in which business students who, through a cooperative arrangement between the school and employers, receives classroom instruction and related on-the-job training in a business occupation. Students accepted for this program will be released from school one class period each day upon availability of employment and will work in a Helena-area business for at least minimum wage. Students are graded on work hours, assignments, conferences, daily sign-ins, and work supervisor evaluations. **Students must have a job**, must furnish own transportation, and must be at least 16 years old to participate. ***Prerequisite(s): Students must be concurrently enrolled in any CTE (7000#) class along with this course to qualify.***

BUSINESS RELATED COURSES

7402 Yearbook

Grades: 9-12

1.0 Credit

The Capital Dome staff publishes the school yearbook. Members choose a theme, design the cover, lay out pages and prepare copy via desktop publishing, take and crop photos, and sell the annuals and ads. Members will spend considerable time outside class as necessary – including weekends and summer camp. Strong writing skills are required, and interest in journalism, art, business, and computers is encouraged. This elective course focuses on making and completing yearbook layouts. Any student wanting to be in yearbook must be enrolled in this course. ***Eligible for VOC credit, with counselor approval. Prerequisite(s): Application and selection required.***

7404 Yearbook 2 (Must be concurrently enrolled in Yearbook)

Grades: 10-12

1.0 Credit

This is the lab course for yearbook. It is a second course that can be taken in addition to Yearbook. Students have more one on one time to learn publishing skills and editing photos, as well as more time to make professional, completed layouts. Editors are required to take this course. ***Eligible for VOC credit, with counselor approval. Prerequisite(s): Concurrent enrollment in Yearbook -AND- application and selection required.***

Career & Technical Education: Computer Technology

A minimum of 1.0 VOC credit is required.

7302 Computer Science

Grades: 10-12

1.0 Credit

Computer Science is for students with a desire to develop programming fundamentals. The Python programming language will be used in Year 1. Computer Science concepts such as algorithms, data structures, graphics, and game design will be explored. Students can take up to 6 semesters of computer science. Year 2 and Year 3 will take more of a focus on the Java Programming language and will build on prior semester knowledge.

7304 AP Computer Science Principles

Grades: 11-12

1.0 Credit

**Special Note: Registering for an AP or Honors course is meant to be a YEAR-LONG COMMITMENT. If you wish to drop an AP or Honors course, you will have to wait until one week after the semester begins.*

Code.org's Computer Science Principles (CSP) is an AP approved curriculum. This is a rigorous, full year entry level course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. It is meant to be an inviting introduction to computer science for a wide, diverse, population of students. The course contains nine core units of study, with a tenth unit devoted almost exclusively to students working on their AP Performance Task (PT) projects. **Note: the performance task submission deadline is the end of April, and the written AP Exam is in Early May. Prerequisites: Successful completion of Algebra I**

7324 Video Broadcast (Bruin Vision)

Grades: 10-12

1.0 Credit

Lights! Camera! ACTION! Have you ever thought it would be fun to create your own videos? If so this class is for you!! This course is designed to give you an overview and hands on experience to film production. Editing video starts with an understanding of Camera Movement, Video Composition, Lighting, Sound, Editing and other essential elements. In this class, you will explore these elements of film making and then apply these elements to your own productions. This class is group and project based. Watch out Steven Spielberg, here we come!!

7326 Video Broadcast 2 (Bruin Vision)

Grades: 11-12

1.0 Credit

This class is a ONE HOUR continuation of Video Broadcast 1, and allows students to continue with their film and video making, but also incorporating how to add special effect to these productions. Video Broadcast 2 will expand Video Broadcast 1 by teaching all the aspects of the Adobe Production Suite including: Premiere, After Effects, Audition, Animator, Encoder, Bridge, and Photoshop. Learn how to make your videos more exciting with special effect sequences. Class may require after school filming. Class may be repeated for credit. Prerequisite(s): Video Broadcast 1.

7309 Robotics

Grades: 9-12

1.0 Credit

Introduction to Robotics will offer students the opportunity to design, build and program a variety of robots using state of the art materials and programming languages, as they apply the fundamentals of science, math, and technology. The course will introduce the engineering process as students work through constructing robots. This robotics course does not replace the traditional math and science courses needed to pursue a degree in engineering. It is meant to supplement the students' content experience so students considering an engineering career will appreciate the connection between robotics and engineering. Students will apply core concepts of traditional sciences as physics, chemistry and biology in the engineering/robotics pathway. Students will learn to use two different programming languages. Students should have a high interest in robotics. **Prerequisites: Algebra I (B or higher is recommended) and keyboarding skills.**

Career & Technical Education: Marketing Education

A minimum of 1.0 VOC credit is required.

7400 Marketing Ed. 1

Grades: 9-12

1.0 Credit

Marketing is intended for those who want to learn marketing operations and develop basic employment skills. If you want to continue your education in business administration, management, marketing, advertising, and public relations or simply choose to enter the business world, give this course serious thought, you will receive experience in business communications, sports and entertainment marketing, product development, advertising-including television & radio production and newspaper layout and design, sales, customer service and shoplifting and security issues. This class allows for opportunities in DECA which plans and implements Night to Shine and options to compete Vocational or elective credit can be applied in to this class.

7412 Sports & Entertainment Management

Grades: 10-12

1.0 Credit

Sports & Entertainment Management is a course designed to assist students to expand their understating of the marketing concepts and theories and apply it to sports and entertainment management of events. The areas this course will include are basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and implementation of sports and entertainment marketing plans. This course will also focus on developing and implementing promotion plans, event evaluation and management techniques of scheduled athletic, theatre and music events held at Capital High School. Students will be putting into action marketing and management skills at a variety of sports and entertainment events of Capital High School. This class allows for opportunities in DECA which plans and implements Night to Shine and options to compete at state and national levels in marketing and business entrepreneurship.

7413 Marketing Management

Grades: 11-12

1.0 Credit

Marketing Management is a course that will expand the entrepreneurial and management requirements of a business owner. Becoming an entrepreneur, learning to work with other students, and making management decisions is taught in this course. Accomplish this by working together as a team of managers to operate and manage Capital High School store, the Bear Necessities. Obtain skills such as financial analysis, human resource management, information management, professional development, strategic/channel management, pricing, selling, product/service management and promotion. Apply all those skills when you compete against high school students from all over Montana in the High School Business Challenge. This class allows for opportunities in DECA which plans and implements Night to Shine and options to compete at state and national levels in marketing and business entrepreneurship. **Prerequisite(s): Small Business Management**

7414 Small Business Management

Grades: 10-12

1 Credit

Small Business Management is a course in business ownership, management and marketing. You will study entrepreneurship topics covering financing, advertising layout and design, and all the aspects to creating a business plan. This class also involves the operation of Capital High School store, the **Bear Necessities**. The **Bear Necessities** is a retail-training laboratory which provides opportunity for development of skills and knowledge through "hands-on" experience in purchasing, selling, pricing, promotion, product and service planning, customer service, individual and group critical thinking and decision-making. These skills are taught and reinforced through Virtual Business-Retail. In addition this class, participation in the Montana High School Business Challenge allows the class to learn the aspect of business management through competition. Financial Literacy and the development of a business plan complete the year. Whether you are moving into higher education or entering the working world, SBM will provide an easier understanding of advanced business principles. This class allows for opportunities in DECA which plans and implements Night to Shine and options to compete at state and national levels in marketing and business entrepreneurship.

Career & Technical Education: Family & Consumer Sciences

A minimum of 1.0 VOC credit is required.

FAMILY & CONSUMER SCIENCE COURSE SEQUENCES

Child Development (10-12)	Hospitality, Tourism & Recreation (9-12)	Culinary Arts 1 & 2 (9-12)
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Culinary Arts 3 (10-12)

FCCLA STUDENT ORGANIZATION

Open to all students enrolled in or who
have had a Family & Consumer Science
Class

7510 Hospitality, Tourism, and Recreation

Grades: 9-12

1.0 Credit

Hospitality, Tourism and Recreation is a course designed to familiarize students to the key components of the Hospitality industry. This class is designed to give students the skills needed to acquire an entry level job in lodging, recreation, travel, event planning, and National Park occupations. This course will cover eco-tourism, guest services, geography of the continents, culture and customs of countries as tourist destinations, event planning, recreational opportunities, guide services and environmental and ecological principals.

7535 Culinary Arts 1-2

Grades: 9-12

1.0 Credit

This is a year-long course that provides students with a basic knowledge and application of food preparation skills within a lab setting. Students will gain an understanding of: food safety and sanitation, healthy food selection and preparation skills, and consumer skills that will allow for more informed decisions. The nutritional component looks at nutrition as it relates to good health and the concept of eating "whole" foods vs. convenience foods. The second part of the class focuses on more advanced cooking skills, provides an opportunity for creativity, and explore careers that relate to the Culinary/Hospitality Industry.

Fees: \$40.

7540 Culinary Arts 3

Grades: 10-12

1.0 Credit

Culinary Arts 3 is an exciting year long career awareness course designed to further the interest of those students who are interested in a career within the food and hospitality industry. The course is based on the National Restaurant Association "Pro start" program which provides training in all aspects of culinary careers. There will be labs provided in this class. This course offers an entrepreneurial/marketing component that allows the students to run the class as a business and includes some catering experience. A cooperative part time work program can be arranged for those that qualify. **Fees: \$40. Prerequisite(s):**

7535-Culinary Arts 1 & 2.

7560 Child Development

Grades: 10-12

1.0 Credit

This course is designed for students interested in infants and young children; Child Development presents a thorough study of early human development. Topics include pregnancy, childbirth, infant care, emotional, social, intellectual and physical development of children. Students will take home "Baby Think It Over" overnight to experience parenting. Students will also spend time volunteering at Head Start during the last semester of the year. This class offers young people the opportunity to examine their future role as a mother or father in an effort to prepare for this important life event. Child Development will also be of interest to any student planning a career in teaching, pediatric nursing, child psychology, day care services or any field related to children.

Career & Technical Education: Biomedical Sciences

A minimum of 1.0 VOC credit is required.

BIOMEDICAL SCIENCES OPTIONS

PROJECT LEAD THE WAY® BIOMEDICAL SCIENCES

Project Lead The Way® Biomedical Sciences program is a high school program designed for students interested in Health Science careers. The program is divided into four sections, each section building upon the previous. This dynamic program uses hands-on, real-world problems to engage and challenge students.

Students interested in math, science, and the human body will find the PLTW Biomedical Sciences program a great introduction to the numerous medical fields. It will also teach them how the skills they learn are used in the biomedical sciences. The Biomedical Sciences program is integrated into the high school curriculum. It is designed to augment the high school science and math college preparatory programs to establish a solid background in biomedical science. Courses count for either Career and Technical Education or general elective credit however they DO NOT replace any college preparatory science classes.

7610 Principles of Biomedical Sciences	(BioMed 1)	Grades: 9-11	1.0 Credit
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In this course, students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Over the course of the year, students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing, and proposing treatment to patients in a family medical practice, to tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems.

7620 Human Body Systems	(BioMed 2)	Grades: 10-12	1.0 Credit
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Students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries. **Prerequisite(s): 7610 Principles of Biomed or 4200-Biology 1.**

7630 Medical Interventions	(BioMed 3)	Grades: 11-12	1.0 Credit
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Students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a “how-to” manual for maintaining overall health and homeostasis in the body as students explore how to prevent and fight infection; how to screen and evaluate the code in human DNA; how to prevent, diagnose and treat cancer; and how to prevail when the organs of the body begin to fail. These scenarios expose students to the wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices and diagnostics. Each family case scenario introduces multiple types of interventions and reinforces concepts learned in the previous two courses, as well as presenting new content. **Prerequisite(s): 7620-Human Body Systems.**

7640 Biomedical Innovation	(BioMed 4)	Grade: 12	1.0 Credit
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Students design innovative solutions for the health challenges of the 21st century. They work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. Students will job shadow in a field of interest or work on an independent project with a mentor from a university, hospital, or research institution. At the end of the course, students are expected to present their work to the public at a symposium at the Lewis and Clark Public Library. This course is designed for 12th grade students.

Prerequisite(s): 7630-Medical Interventions -OR- three science classes/Concurrently Enrollment.

Specialized Courses

8140 Library Media Tech

Grades: 11-12

1.0 Credit

Libraries are so much more than book storage: marketing and advocacy are just as important as knowledge of literature and technology. Job skills such as punctuality, attendance, enthusiasm, and attention to detail are emphasized as well as professionalism and courtesy. This class is performance-based as is any job and can provide students with employment references. Only offered periods 1-6. ***Prerequisite(s): Application and selection are required.***

8200 Carroll College: Early Access Program

Grades: 11-12

College Credit

8204 Helena College

Ages 16 & Older

College Credit

College courses cannot be taken in lieu of required high school courses. Students must meet entrance and financial obligations imposed by Carroll College and/or Helena College. See your counselor for program information and application for enrollment. ***Prerequisite(s): Application and admission are required.***

8261 Native American Tutoring

Grades: 9-12

0 Credit

Native American Tutoring is an ungraded course that is dedicated to help Native American students achieve academic success by giving them an extra class period of quiet continuous study time to complete work from other classes. This course is staffed by an academic tutor who works with students on homework, organization, and communication between home and school. ***Prerequisite(s): Students must have a current Title VII Student Eligibility Certification Form (506 Form) on file, available from your school counselor or Indian Education Tutor.***

8360 Credit Recovery

Grades 10-12

Variable Credit

Credit Recovery is an opportunity for CHS students to retake a course in which he/she previously was not academically successful in earning credit towards graduation. Credit is awarded as coursework is completed. ***Prerequisite(s): A student must have already attempted the course (with good attendance-no more than 20 absences in a semester) and failed before he/she is eligible for Credit Recovery.***

8510 Study Hall-S1

Grades: 9-12

0 Credit

8512 Study Hall-S2

Grades: 9-12

0 Credit

Study Hall is an ungraded course that is dedicated to help students achieve academic success by giving them an extra class period of quiet continuous study time to complete work from other classes.

Assistant Positions

Grades 9-12

0 Credit

Assistant positions are a great way to gain basic work experience for use on resumes and other applications. Positions are available in the Main Office, Attendance Office, Career Center, Library, and with individual teachers. Applications are available during the first 2 weeks of each semester. If interested in an Assistant Position, please see your counselor. ***Prerequisite(s): Application and selection are required.***

Internship-Semester

Grades 11-12

.5 Credit

This is a .5 elective credit opportunity where students spend 4 hours per week on-site in a work setting that interest them. The internship is not paid. Students must apply to be an intern, and enrollment is limited. An internship requires maturity and professional behavior and is limited to juniors and seniors. A resume, cover letter, and interview are required. Not all placements are possible. Because of HIPPA, many medical and health care settings are not possible. Also, because of privacy, internships in accounting and law are usually not possible. If interested in an Internship, please see your counselor.

Physical Education and Health

A minimum of 1.5 HP and .5 HE are required.

Physical Education and Health Course Offerings			
Grade 9	Grade 10	Grade 11	Grade 12
Required (pick one)	Required (Pick one for a Sem.)	No PE Requirements	No PE Requirements
Frosh Physical Education Freshman Weight Training	Health Health: Student First Responders		
	All students take (Other Sem.)	PE Electives	PE Electives
	Soph Physical Education	Personal Wellness Physical Conditioning (Weights) F.A.S.T. Athletic Training Unified PE Health Careers Exploration Lifetime Sports Foundational Fitness	Personal Wellness Physical Conditioning (Weights) F.A.S.T. Athletic Training Unified PE Health Careers Exploration Lifetime Sports Foundational Fitness
	PE Electives		
	Personal Wellness Physical Conditioning (Weights) F.A.S.T. Athletic Training		

9100 Frosh Physical Education

Grade: 9

1.0 Credit

This course uses differentiated instruction to promote an environment where all shapes, sizes, and ability levels are able to be successful in physical activity. Freshman PE focuses on group participation in enjoyable activities that promote athletic skill development, and active and healthy living. Students will engage in a wide variety of team sports and games like basketball, volleyball, flag football, kickball, and ultimate frisbee, as well as fitness activities like circuit training, cycling, and strength training. The focus will be on achieving and maintaining physical fitness, while understanding the value of physical activity for health and social interaction.

9343 Freshman Weight Training

Grade: 9

1.0 Credit

Through participation in a variety of movement activities consisting of flexibility work, running, plyometric conditioning, and agility drills, with emphasis on individual and group weight training programs, students will achieve and maintain a challenging level of health and skill related fitness. *This class will satisfy the freshman PE requirement.*

9200 Soph Physical Education

Grade: 10

.5 Credit

Sophomore Physical Education is our student's final semester of required PE. This daily PE routine includes many activities new and exciting to student learning. Attention is directed at the health and wellness of the entire person which includes physical, mental/emotional, and social health. Activities include but are not limited to tennis, ultimate, lacrosse, softball, archery, basketball, table tennis, speedball, kanjam, angleball, tchoukball, pickleball, floor hockey, dance, mat ball, and socketball.

9210 Health

Grade: 10

.5 Credit

Health is a required one-semester course for sophomores. The course is designed to survey a wide range of health-related topics in order to provide a basis for future decision-making. This is a skills-based class for students to learn and practice health enhancing behaviors.

Physical Education and Health

A minimum of 1.5 HP and .5 HE are required.

9055 Health: Student First Responders

Grade: 10

.5 Credit

This accelerated health course offers training to respond in a variety of health crises. Students will be certified in the Responding to Emergencies series with CPR, AED, and First Aid. Students will also gain training in Wilderness and Remote First Aid, and mental health/ suicide intervention. Students will be better equipped to respond to a peer, family, or individual crisis related to cardiac/physical injury, wilderness response, or mental health. Other topics will include nutrition, decision-making skills, healthy relationships, and analyzing social determinants of health. ***This class will satisfy the sophomore Health requirement. Prerequisite(s): Biology or Principles of Biomedical Sciences. Instructor approval is required if pre-requisites are not met.***

9106 Personal Wellness-S1

Grades: 10-12

.5 Credit

9107 Personal Wellness-S2

Grades: 10-12

.5 Credit

The primary focus of this class is to guide and motivate students to engage in regular physical fitness in an encouraging and inclusive environment. Through participation in a variety of enjoyable activities, students will understand the benefits of physical activity and how exercise can improve their emotional, mental, physical and social health. Personal Wellness will focus on life-long fitness activities including walking, running, flexibility, strength & circuit training, Yoga, Pilates, cycling, dance, hiking, and stress relief/meditation. ***Personal Wellness is an elective open to all students in grades 10-12.***

9300 Unified Physical Education

Grades: 11-12

1.0 Credit

UNIFIED Physical Education -Not your typical PE course! Unified Physical Education will engage you in physical activity and sport alongside peers with and without disabilities, helping to foster important social relationships. This is a unique opportunity for students of varying ability levels and backgrounds to come together on equal terms through ongoing fitness, sport, leadership and wellness activities. Unified PE focuses on the physical, intellectual and social growth of all participants. Although not a requirement, it is hopeful that students in Unified PE might choose to participate as athletes and unified partners in Special Olympics Unified Sports. (CHS is designated as a Special Olympics Unified Champion School). ***Signature of previous PE teacher is required on registration form.***

9325 F.A.S.T. (Fitness, Agility, Strength, & Technique)-S1

Grades: 10-12

.5 Credit

9326 F.A.S.T. (Fitness, Agility, Strength, & Technique)-S2

Grades: 10-12

.5 Credit

Fitness, Agility, Strength & Technique (F.A.S.T.) is a semester course, which is co-educational and open to all students in grades 9, 10, 11 and 12. An innovative approach to training - working on a solid fitness foundation while staying focused on each student's individual goals. The program will include instruction in movement training, injury reduction, linear and lateral speed development, foot speed and agility, proper weight training techniques, explosive power development, and functional strength training.

9330 Athletic Training CPR

Grades: 10-12

.5 Credit

In this class students will learn the basic principles of athletic training. These experiences will include the basics of injury assessment and taping for injury prevention, as well as exploration of professional careers related to physical education, medicine and athletic training. The class will also teach the basic procedures for Cardio-Pulmonary Resuscitation (CPR) and first aid. Opportunities for certification in CPR and First Aid will be available in this class. Health occupation careers will be explored.

Physical Education and Health

A minimum of 1.5 HP and .5 HE are required.

9351 Health Careers Exploration	Two Hours	Grades: 11-12	2.0 Credit
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The Health Careers Exploration Class is a two-hour class designed to provide high school students with the opportunity to develop the skills and knowledge for the health occupations. The class is yearlong and is offered as an elective class to juniors and seniors. The class emphasizes training in medical terminology, basic health care skills, basic human anatomy, safety practices and ethics. Instruction is delivered through classroom, laboratory, practicum and job shadowing settings. After successful completion of this class the student will be eligible to obtain CNA (Certified Nursing Assistant) certification, and students will find options for employment or further education in health care professions.

Prerequisite(s): Two (2) years of Math -AND- two (2) years of Science -AND- application & selection required

9341 Physical Conditioning-S1	Grades: 9-12	.5 Credit
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9342 Physical Conditioning-S2	Grades: 9-12	.5 Credit
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Weight Training and Conditioning is a co-educational class open to all students in grades 9, 10, 11, and 12. The foundation of this course is the Bigger, Faster, Stronger – Total Program. Students will learn the BFS Readiness program, moving into the primary BFS program. Students will participate in flexibility, agility, plyometric, and running skills, as well as weight- lifting. The BFS Six Absolutes are the cornerstone of this program.

9402 Lifetime Sports-S1	Grades: 11-12	.5 Credit
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9403 Lifetime Sports-S2	Grades: 11-12	.5 Credit
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Offered daily and on a semester basis to juniors and seniors, this program emphasizes advanced lifetime sports activities. In-building activities will include games that can be played lifelong in places such as the backyard or park. Classroom-based learning is also part of the curriculum which can include current health/fitness related topics, research-based activities, presentations, and quizzes. This course involves a variety of activities that occur within the community such as: archery, bowling, folf, golf, ice-fishing, ice-skating, Missouri River float, skiing, snowshoeing, swimming, trap shooting, winter survival, yoga, and more. **The fee per semester is \$100. Referral by previous PE teacher AND instructor signature are required. Lifetime Sports emphasizes the highest importance and expectations of being respectful, being responsible, and being a graduate. Due to the nature of this course, liability concerns or misbehavior will not be tolerated.**

9016 Foundational Fitness	Grades: 11-12	1.0 Credit
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Students will learn how to maximize their physical and mental capabilities to perform at the highest level in their area of interest. Being able to physically and mentally perform at high levels is the foundation for being successful in any aspect of life. Along the way, students will be taught how to develop and follow a fitness plan that best suits their goals. Using training programs that are developed around the needs of the students in the class will keep them focused and dedicated. This class aims to personalize workout programs in order to target the goal for each student. Using this method of personalizing programs comes with the expectation that students taking this class will work hard daily and stay dedicated. ***Signature of previous PE teacher is required on registration form.***

Counseling Department

Counselor	Email	Phone	Last Names
Mr. Jeramie Robinson	jrobinson@helenaschools.org	324-2493	A-D
Mrs. Dana Meldrum	dmeldrum@helenaschools.org	324-2491	E-K
Ms. Jamie Bawden	jbawden@helenaschools.org	324-2492	L-Ri
Mrs. Sara Berg	sberg@helenaschools.org	324-2490	Ro-Z

CHS School Counselors are available to assist students with course selections, schedule changes, transcripts, scholarships, awards, and college admissions requirements. Counselors will present registration information to all CHS students during the registration process. Please feel free to call or e-mail your student's counselor with questions or concerns.

CHS College & Career Center

Career Center Coordinator: Mrs. Doran 324-2483

Website: <https://chs.helenaschools.org/about/counseling-career-center/>

The Career Center is open daily, 7:30 am-3:30 pm

The Career Center offers a resource library with information about careers, colleges, vocational education, military services, apprenticeship programs, ACT and SAT applications and preparation materials, financial aid information, **scholarship listings and resources**, job opportunities and more. The Career Center has many resources available on the CHS website.

The Career Center Coordinator, Mrs. Doran, provides guidance in career and college planning and exploration, arranges college and military visits, coordinates lunch workshops, manages resource materials, and advises students, parents, and faculty.

Career Cruising is an Internet-based career exploration and planning tool used by students to explore career and college options and develop a career plan. Guidance counselors present college and career planning lessons each year utilizing Career Cruising. Students complete interest and skills inventories that link them to careers and colleges. Students discover their learning style which helps them to develop healthy and successful learning habits. Students create a resume which can be updated and accessed at any time for job applications. The Career Center Coordinator uses the college and job links to connect students with College representatives, scholarship information and college program information. Career Cruising can be accessed from school, from home, or wherever students have access to the Internet at www.careercruising.com



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Montana University System (MUS)

FOUR-YEAR CAMPUSES

A traditional student is defined as one who enters college within three years of high school graduation or within three years from the date when they would have graduated college.

Admissions Checklist for current High School Students

In order to receive full admission to a four-year university in the MUS, entering traditional students are required to meet the following standards:

Achieve one of the following:

1. Earn at least a 2.5 high school GPA; or
2. Rank in the top half of the school's graduating class; or
3. Earn a minimum composite score of 22 for the ACT or 1120 for the SAT (exception: MSU-Northern requires ACT score of 20, SAT score of 1050).

AND

Complete the Rigorous Core College Preparatory Program: English (4 years), mathematics (4 years), lab science (3 years), social studies (3 years), college prep electives (3 years), which include world language, computer science, visual and performing arts, and career/technical education units that meet the office of public instruction guidelines. The Rigorous Core is an advanced alternative to the Minimum Core for math proficiency standards.

High school students who successfully complete the Rigorous Core are eligible for the MUS Honor Scholarship.

OR

Demonstrate Mathematics Proficiency via one of the following methods:

- Earn a minimum ACT math score of 22
- Earn a minimum SAT score of 520
- Earn a minimum score of 3 or above on the AP calculus AB or BC subject examination or a score of 4 on the IB calculus test
- Earn a minimum of 50 on the CLEP subject examinations in selected topics [college algebra, college algebra-trigonometry, pre-calculus, calculus, or trigonometry]
- Complete the Rigorous Core College Preparatory Program
-

Demonstrate Writing Proficiency via one of the following methods:

- Earn a minimum ACT ELA score of 18
- Earn a minimum SAT score of 440
- Earn a minimum score of 7 on the ACT/SAT writing essays
- Earn a minimum score of 3 on the AP English language or literature exam
- Earn a minimum score of 4 on the IB language A1 exam
- Earn a minimum score of 50 on the CLEP subject exam in composition

Provisional Admission

Provisional admission is granted to students scoring 18-21 on the ACT or 440-510 on the SAT mathematics tests, or 5-6 on the ACT/SAT writing essays.

Students who do not meet the writing and math proficiency standards are admitted to four-year universities on a provisional basis. Students who are provisionally admitted can gain full admittance by demonstrating one of the following:

- Earn a "C" or better in developmental math and writing courses preparing students for college level course work (must be completed within the first 3 semesters)
- Earn the required score on one or more of the math or writing assessment tests required for admissions
- Complete an associate of arts (A.A.) or associate of science (A.S.) degree
- Submit a letter to the admissions office documenting a disability that prevented the student from adequately demonstrating proficiency in a test setting if no accommodation was provided at the time of the test

Information from www.mus.edu.

Montana University System (MUS)

TWO -YEAR CAMPUSES & PROGRAMS

All Students:

Two-year campuses in the MUS abide by a non-competitive open enrollment policy that does not require applicants meet the Regents' four-year admissions criteria. The only requirement is that applicants must have obtained a high school degree or successfully completed an official high school equivalence completion assessment designated by the Board of Public Education (formerly the GED and currently the HiSET*).

Students who have not yet demonstrated the ability to meet the mathematics or writing proficiency standards may be admitted without condition to a two-year college; however, certain programs within the college, such as Nursing, may have higher admission standards.

Two-year Degree Programs:

Students whose mathematics scores are below 18 on the ACT or 440 on the SAT may be fully admitted to a two-year degree program of the MUS, but may not be admitted to a four-year degree program of the MUS.

Information from www.mus.edu.

Montana High School Association



The purpose of the Montana High School Association is to ensure that interscholastic activities in Montana are administered fairly. Policies pertaining to scholastic standing, transfer, awards and other regulations can be found at: www.mhsa.org.

NCAA & NAIA Clearinghouses



If you wish to participate in NCAA Division I or II athletics, you need to be certified by the NCAA Eligibility Center. You will need to qualify academically and you will also need to be cleared as an amateur student-athlete. Please access the NCAA website for more information: www.eligibilitycenter.org



If you wish to participate in an NAIA member institution, you will need to be certified by the NAIA Eligibility Center to qualify academically and be cleared as an eligible student-athlete for competition. Access the NAIA website for more information: www.PlayNAIA.org

Planning Your Graduation

Graduation Requirements	Grade 9	Grade 10	Grade 11	Grade 12
ENG: 4.0 Credits				
SST, USH & AMG: 3.0 Credits				
MTH: 3.0 Credits				
SCI: 2.0 Credits				
FA: 1.0 Credits				
VOC: 1.0 Credit				
HP: 1.5 Credits HE: 0.5 Credits				
ELECTIVES: 7.0 Credits <i>These include Foreign Language courses, department electives, and any other courses you elect to take beyond the minimum requirement.</i>				
*CREDIT REQUIREMENT: 23.0				
*This is the credit minimum for earning your diploma at CHS. Please pay extra attention to specific requirements for BEAR, HEF, MUS Rigorous Core, Etc.				