

**Ferndale High School
Course Catalog
2022-2023**



GOLDEN EAGLES

INFORMATION FOR PARENTS, STUDENTS, AND STAFF

FERNDALE HIGH SCHOOL MISSION AND VISION

Ferndale High School will be a positive place that welcomes and empowers each student to find success on a daily basis in order to develop lifelong learning and responsible citizenship in a global world.

EQUAL OPPORTUNITY

All courses offered at Ferndale High School are co-educational. Students are encouraged to explore a variety of subject areas during their high school career. The purpose of this catalog is to assist students, parents, and staff in planning an academic program for each student at Ferndale High School. To facilitate this goal, the catalog is divided into five main sections: Graduation Requirements, Scheduling Information, Special Programs, and Course Descriptions. Each section will provide valuable information as students plan an academic program that meets their educational and career goals.

PRIVACY ACT

The Family Education Rights and Privacy Act of 1974 requires a school district to notify parents that schools maintain official records regarding their child, which include information deemed necessary to the welfare of students and the orderly operation of schools, or information required by law regulation.

Student records are the property of the school district; however, parents and students eighteen years of age or older may inspect the records by contacting the school counselor for an appointment.

Parents may challenge the inclusion in their student's records of any information they believe inaccurate, misleading, or in violation of the student's privacy or other rights. Parents may request modification of the records, or enter their own statements of explanation. Concerns about the information included in the student's records are to be discussed with the principal. If the concern cannot be resolved between the parents and principal, a fair and impartial hearing, upon the parent's written request, will be convened to review the matter.

With very few exceptions, the school will not release information regarding your child to other persons or organizations except on your written, signed consent. However, the district does specify certain directory information, which may be released by the district for non-commercial use without the parent's permission. Such information is limited to the following: name, address, and telephone number, date and place of birth; grade level; school attended; major field of study, records of participation in school activities and sports; weight and height of team members; dates of attendance; awards and honors received; and most recent previous school attended. If you do not want the school to disclose directory information from your child's educational records without your prior written consent, you must notify the school in writing at the beginning of each school year.

NON-DISCRIMINATION POLICY

The Ferndale School District complies with all state and federal rules and regulations and does not discriminate on the basis of race, national origin, sex or disability. This holds true for all students who are interested in participating in educational programs and/or extracurricular school activities. Inquiries regarding compliance and/grievance procedures may be directed to the school district's Title IX RCW 28A.640 Officer, P.O. Box 698, Ferndale, WA 98248, (360) 383-9206 and/or Section 504 ADA Coordinator, P.O. Box 698, Ferndale, WA 98248, (360) 383-9212.

It is our belief at FHS that students should carefully choose the courses they will be taking in high school. With this in mind, we encourage students to involve their parents and the high school staff in the planning process. It is very important that students choose classes that are both challenging and helpful as they prepare them for their future. Though we encourage students to involve others in this planning process, it is ultimately the student's responsibility to make the choices for their schedule and ensure that graduation requirements are being met.

In order to maximize the usefulness of this catalog, please follow these general guidelines:

1. Familiarize yourself with graduation requirements and classes required for your grade level.
2. After scheduling those required classes for your grade level, choose classes that will help guide your future. Choose classes that lend themselves to your possible career pathway.
3. As you plan your classes, pay particular attention to the prerequisites and any additional requirements that a class has. Also make sure you have achieved the appropriate grade level for the class, and note any fees that the class requires.
4. **Discuss your choices with your parents, counselor, and teachers.**
5. Obtain signatures for all classes that require teacher permission. You will not be allowed to register for the class without a signature.
6. **Be aware that if you sign up for a year-long class, you will automatically be enrolled in the class second semester.** Students who wish to drop a course mid-way through the year will need to obtain prior permission by completing a form with signatures from the teacher, their parents, and FHS administration indicating your reasons for wanting to drop the class.

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COMMON CORE STATE STANDARDS

COMMON CORE

The Common Core is a set of high-quality academic standards in mathematics and English language arts/literacy (ELA). These learning goals outline what a student should know and be able to do at the end of each grade. The standards were created to ensure that all students graduate from high school with the skills and knowledge necessary to succeed in college, career, and life, regardless of where they live. Forty-two states, the District of Columbia, four territories, and the Department of Defense Education Activity (DoDEA) have voluntarily adopted and are moving forward with the Common Core.

The standards are:

1. Research- and evidence-based
2. Clear, understandable, and consistent
3. Aligned with college and career expectations
4. Based on rigorous content and application of knowledge through higher-order thinking skills
5. Built upon the strengths and lessons of current state standards
6. Informed by other top performing countries in order to prepare all students for success in our global economy and society

NEXT GENERATION SCIENCE STANDARDS

The Next Generation Science Standards (NGSS) are K–12 science content standards. Standards set the expectations for what students should know and be able to do. The NGSS were developed by states to improve science education for all students.

A goal for developing the NGSS was to create a set of research-based, up-to-date K–12 science standards. These standards give local educators the flexibility to design classroom learning experiences that stimulate students' interests in science and prepares them for college, careers, and citizenship.

The Next Generation Science Standards (NGSS) are distinct from prior science standards in three essential ways.

- 1) **Performance.** Prior standards documents listed what students should “know” or “understand.” These ideas needed to be translated into performances that could be assessed to determine whether or not students met the standard. Different interpretations sometimes resulted in assessments that were not aligned with curriculum and instruction. The NGSS has avoided this difficulty by developing performance expectations that state what students should be able to do in order to demonstrate that they have met the standard, thus providing the same clear and specific targets for curriculum, instruction, and assessment.
- 2) **Foundations.** Each performance expectation incorporates all three dimensions from the Framework— a science or engineering practice, a core disciplinary idea, and a crosscutting concept.
- 3) **Coherence.** Each set of performance expectations lists connections to other ideas within the disciplines of science and engineering, and with Common Core State Standards in Mathematics and English Language Arts.

STATE ASSESSMENT

CCSS will be assessed by the new *Smarter Balanced Assessment Consortium (Smarter Balanced)*. **Smarter Balanced** is one of two multistate consortia awarded funding from the U.S. Department of Education to develop *next-generation assessments that accurately measure student progress toward college- and career-readiness* based on the Common Core State Standards.

To achieve the goal that all students leave high school ready for college and career, **Smarter Balanced** is committed to ensuring that assessment and instruction embody the **CCSS** and that all students, regardless of disability, language or subgroup status, have the opportunity to learn this valued content and to show what they know and can do. With strong support from participating states, institutions of higher education and industry, **Smarter Balanced** will develop a balanced set of measures and tools, each designed to serve specific purposes. Together, these components will provide student data throughout the academic year that will inform instruction, guide interventions, help target professional development and ensure an accurate measure of each student's progress toward career- and college-readiness.

WHAT ARE THE DETAILS WITH THE STATE'S TESTING?

In high school, students take **Smarter Balanced** tests in Math and English/Language Arts (ELA) as a graduation pathway option. All 10th graders will take the **Smarter Balanced** tests in ELA and math.

High school students must pass tests, or a state- approved graduation pathway, to be **eligible to graduate**. A student's expected year of graduation is set when he/she enters the 9th grade.

Students who transferred from another state after the 10 grade assessment testing window OR students who tested in grade 10 but did not meet standard, may be eligible for alternatives to meet the graduation pathway requirements. See your counselor to clarify your eligibility and/or options available to you to meet graduation requirements.

In addition to high school graduation requirements, high school students take tests in ELA, math, and science (WCAS) for **federal accountability**. Student scores on these tests determine a school's adequate yearly progress (AYP) status.

Students take the WA-AIM only if it's documented in their IEP.

GRADUATION REQUIREMENTS

COLLEGE ENTRANCE REQUIREMENTS

Since most careers now require at least some post- high school training, students need to make sure they have met the admissions requirements for the specific colleges they are interested in attending. In order to get into a two-year college, a student needs his/her high school diploma or HSE (High School Equivalency). Certain schools or programs may have additional requirements; therefore, it is important to check with each school and plan accordingly.

Four-year colleges in Washington State require a high school diploma, which must include the following minimum coursework, called College Academic Distribution Requirements (CADRs). Please note that these courses satisfy the minimum entrance requirements. The FHS Counseling staff recommends that students preparing for four-year college entrance take **four full years of both math and science**. Students who will be applying to colleges outside of Washington need to verify specific entrance requirements directly with those institutions, as they may differ from the State of Washington entrance requirements. For additional information on the requirements below, please see your counselor.

COURSE	FHS GRAD REQ	WA STATE CAREER/ COLLEGE READY REQ
English	4	4
Math	3	3
Science	3 (2 LAB)	3 (2 LAB)
Social Studies	3.5	3
Career & Tech Ed	1.5	1
Health and Fitness	2.5	2
Arts	1	2*
Pathways per HSBP	2	2* World Lang
Electives	9.5	4*
Total Credits	30	24

Please note: The 3rd credit of science and the 3rd credit of math are chosen by the student based on the student's interest and High School and Beyond Plan, and approved by the parent or guardian, or if the parent or guardian is unavailable or does not indicate a preference, the school counselor or principal.

**Personalized Pathway Requirement are related courses that lead to a specific post high school career or educational outcome chosen by the student based on the student's interests and High School and Beyond Plan, that may include Career and Technical Education, and are intended to provide a focus for the student's learning.

The Washington State Legislature determines graduation requirement options. As a result, requirements may change during the next legislative session.

TRANSFER STUDENT GRADUATION REQUIREMENTS

For students who transfer into Ferndale High School from a school not employing a similar block schedule, a matrix will be used to determine the number of credits they need for graduation. Transfer students will still need to meet the course content requirements for graduation, but an adjustment will be made for the total number of credits required for graduation.

1. (Number of semesters at previous school) x (number of credits available per semester) + (Number of semesters remaining at FHS) x (4.0 credits) = Total credits possible in 4 years
2. Then take Total Credits Possible – 2.0 credits = Credits required for graduation.

CREDITS EARNED

Each course at Ferndale High School is worth .5 credit. Students will take eight classes each semester for four years, for a total possibility of 32.0 credits. With 30.0 credits required for graduation, a student could lose credit in up to four elective classes during high school, and still meet the credit requirement for graduation. Should a student fail a specific graduation requirement, the class will need to be made up either through repeating it, or taking it through credit retrieval or some other approved remedial program.

WAIVER OF A GRADUATION REQUIREMENT

Under rare circumstances a student may request to have a graduation requirement waived. This waiver provision is intended to provide a means for individualizing the curriculum to more adequately serve the student. Students may pick up a waiver request form from the Counseling Office. They must obtain the written approval of a parent, the school counselor, and the principal. No waivers will be considered prior to the end of a student's junior year.

HONOR ROLL

Honor Roll certificates are awarded to students who earn a 3.5 GPA or above at the end of each semester grading period. P, S, and NC grades are not counted when computing GPA. Students must have at least six graded classes (A-D) at FHS in a semester in order to qualify for Honor Roll. Running Start classes are not included in semester Honor Roll calculations. However, all grades including Running Start are included in class rank, which is based on cumulative GPA.

High School and Beyond Plan

The High School and Beyond Plan is a state graduation requirement and intended to help your student choose the graduation pathway for success after they leave Ferndale High School. The Plan begins in grade 7 and continues through senior year. Presently the assignments for High School and Beyond are taught during Eagle Time. Full Time Running Start students must also complete their High School and Beyond Plan independently online in order to complete graduation requirements.

GRADING SCALE

93-100	=	A
90-92.99	=	A-
87-89.99	=	B+
83-86.99	=	B
80-82.99	=	B-
77-79.99	=	C+
73-76.99	=	C
70-72.99	=	C-
67-69.99	=	D+
60-66.99	=	D
0-59.99	=	NC

* Students enrolled at Whatcom Community College or BTC will sometimes earn a grade of D- for their course. In those instances, a D grade will be affixed to the FHS transcript for that course, as students cannot earn a D- in Washington state high schools.

**A student may request to take elective courses on a P/NC basis instead of the traditional grading scale. In this instance, the student must make arrangements with the teacher prior to the six-week mark of the semester. A student will earn a Pass (P) for any grade of D or better, and a No Credit (NC) for any lower grade.

***In specified situations a teacher may award a grade of Satisfactory (S) as proved by the student's IEP.

GPA SYSTEM

The table below shows the grading system and how student's Grade Point Average (GPA) will be calculated based on the points awarded for each letter grade. Pass (P), No credit (N/C), and Satisfactory (S) grades are not used in computing GPA.

A	=	4.0
A-	=	3.7
B+	=	3.3
B	=	3.0
B-	=	2.7
C+	=	2.3
C	=	2.0
C-	=	1.7
D+	=	1.3
D	=	1.0
D-*	=	1.0(RS only-as FHS D)
NC	=	NA
Pass**	=	NA
S***	=	NA

SPECIAL PROGRAMS

CREDIT RETRIEVAL

Credit Retrieval class may be offered during the school day. Students who are behind in credits should talk to their counselor to explore options to earn credit in this class or other outside sources. Please keep in mind students attempting credits outside FHS must comply with the guidelines outlined in the "Transfer Credit from other institutions" section of this catalog. Online programs must be accredited and on the OSPI approved programs website.

FHS (ELL) ENGLISH LANGUAGE LEARNERS PROGRAM

The high school ELL Program provides basic and intermediate English language instruction to students from a variety of countries and rich language backgrounds who qualify for services. Sheltered support in some subjects, and overall academic support for success in students' many new classes are also part of this program. Counselors, ELL Teachers and support staff work closely with students to ensure a student's academic program fits their needs and interests for graduation.

FHS SPECIAL SERVICES DEPARTMENT

The high school Special Services Department provides support for students with Individual Educational Plans. Support services are designed to ensure a student's academic program occurs with placement in the least restrictive environment. A student's IEP Case Manager is available for further assistance. The FHS Special Services Department can be reached by calling 383 - 9245.

SPECIAL PROJECTS

Occasionally a student will have a particular topic that he/she would like to explore independently, but the topic is not part of the school curriculum. Students in this situation may request a special project under the supervision of a teacher. Students who desire to do a special project must submit a proposal, in conjunction with the supervising teacher, that explains the rationale of the project, and outlines the goals, objectives, activities, means of instruction, student supervision, and method of assessment. Demonstration of the relevancy of the project to the student's career pathway may also be required. Once completed, the request for the special project will be submitted to the student's assistant principal for approval, and then to the student's counselor for processing.

TRAFFIC SAFETY

Traffic Safety is a nine-week non-credit course open to all grades. The course includes thirty-six hours of classroom instruction, nine hours of simulation, and six hours of behind the wheel instruction. Traffic Safety is offered four times during the year, with classes beginning in September, November, February, and April. Based on demand, a summer class may be offered. For classes beginning during the school year, students will meet either before or after school. Sign-up dates and procedures will be posted in the school bulletin. Because class size is limited, students will be accepted into the class based on their age (oldest first). Fees for the program are based entirely on Washington State funding and will be announced prior to the start of the class.

Dual CREDIT PROGRAMS

Ferndale High School has several programs in which students may receive dual credit for class at both the high school and college level. They include **AP**(Advanced Placement), and College in the High School programs with **UW, CWU** (Cornerstone), **CTE Dual Credit** and **Running Start**. Courses taught at FHS with dual credit options are marked in the course description portion of this catalog.

It is important to understand that the total number of college level credits you complete through any of these dual program **may impact your financial aid eligibility at future institutions**. You are advised to speak with the financial aid office at your future institution to determine your remaining financial aid eligibility, as well as work closely with academic advisors to ensure efficient progress toward degree completion so you do not lose financial aid eligibility before you complete your educational program. There is no fee for students to enroll in a dual credit course if they only want to attain high school credits. Fee's only apply for students who choose to enroll in a dual credit course to earn both high school and college credit. Please see your counselor for information regarding fees and financial assistance options available.

ADVANCED PLACEMENT

Advanced Placement courses enable students to complete college level studies while in high school, and obtain college placement credit on the basis of their performance on rigorous AP examinations taken in May. Ferndale High School currently offers several courses that are designated AP with the AP symbol. Some are offered in alternating years. Courses with the AP designation follow a prescribed curriculum that prepares students for a specific AP examination (though students are encouraged to take the AP exam, students are not required to take it). Please note that the curricula in these courses are rigorous and are taught at the college level. Because of this, the College Board recommends that students do not take more than three AP classes at one time as the workload in those courses is time consuming and difficult. Please see your counselor for more details if you wish to take more than three AP courses at one time. Listed below are the AP courses and the specific AP examination. AP courses are offered based on student demand and enrollment numbers. All students may sign up as part of the regular scheduling process for any AP course in which they meet the prerequisites and grade level requirements. Please be aware that all students who sign up for an AP class will be required to sign a statement of understanding which outlines the requirements for AP courses and deadlines for withdrawing from an AP course.

AP COURSE	AP TEST
US History(AP)	US History
Biology (AP)	Biology
Calculus AB (AP)	Calculus (AB)
Calculus BC (AP)	Calculus (BC)
English Lang & Comp (AP)	English Language
English Lit & Comp (AP)	English Literature
Environmental Sci (AP)	Environmental Sci
Physics 1 AP	Physic 1
Physics 2 (AP)	Physics 2
Psychology (AP) ODD years Next offered 2022-2023	Psychology
Statistics (AP)	Statistics
US Gov & Politics (AP)	US Gov & Politics

COLLEGE IN THE HIGH SCHOOL UNIVERSITY OF WASHINGTON

FHS is currently offering five University of Washington classes taught on our campus. These classes will generate a college transcript from the University of Washington only for students who choose to pay college tuition. All students will receive an FHS transcript with the college class listed and designated (C) indicating a completed College curriculum course. Each of the current classes listed are 5 quarter/ semester hours which will equal 1.0 credit at FHS. Span103 Elementary Spanish(year); Span201 Intermediate Spanish(year), Addiction in the Brain(Semester), Wildlife & Modern World (Semester), Forests & Society(Semester).

CORNERSTONE CENTRAL WASHINGTON UNIVERSITY

Students may earn college credit at Central Washington University through the **Cornerstone** Program (5 - 10 quarter credits per course). Students complete the same content as students in the FHS class, but may need to take an additional test or complete some supplemental assignments. Most schools in the country accept these transfer credits. There is a tuition cost per credit. Most math and physics students will also need to take and pay for a math placement test. See your counselor, Mrs. Andres or Mr. Pringle for info on testing for the class of your choice.

Math153 Pre-calculus 1(sem long); Math154Pre-calculus 2(sem long); Math172 Calculus 1(sem long); Math173 Calculus 2(sem long); Phys111/112Physics w/lab(yearlong); (includes AP Physics curriculum); Math in the Modern World (sem long); Finite Mathematics (sem long).

Course	School Awarding Credit	High School Credit	College Credit	Registration Fee	Tuition
Calculus 172	Central Washington University	1.0	5.0	\$0	\$275
Calculus 173	Central Washington University	1.0	5.0	\$0	\$275
Forests & Society	University of Washington	1.0	5.0	\$45	\$325
Multivariable Calculus	Central Washington University	1.0	5.0	\$45	\$325
Physics 111/112	Central Washington University	1.0	5.0	\$0	\$275
Pre-Calculus 153	Central Washington University	1.0	Up to 10	\$0	\$275
Pre-Calculus 154	Central Washington University	1.0	Up to 10	\$0	\$275
Spanish 103	University of Washington	1.0	5.0	\$45	\$325
Spanish 201	University of Washington	1.0	5.0	\$45	\$325
Addiction in the Brain	University of Washington	1.0	5.0	\$45	\$325
Wildlife & Modern World	University of Washington	1.0	5.0	\$45	\$325
Math in the Modern World	Central Washington University	1.0	5.0	\$0	\$275
Finite Mathematics	Central Washington University	1.0	5.0	\$0	\$275

**Please note: prices are reflective of the 2021-2022 school year and may be different for 2022-2023 school year.

CTE DUAL CREDIT

CTE Dual Credit is a college preparatory program that offers high school students an opportunity to earn college credit for approved high school courses. Students enrolled in these courses may be eligible to receive college credit through articulation agreements with the Whatcom Community and Bellingham Technical Colleges. Students who complete approved CTE Dual Credit courses with a grade of "B" or better may request college credit by completing and submitting a Dual Credit application form along with a one-time transcript processing fee. Paying for the college credit automatically starts an official college transcript with the institution offering the course that will include the students' performance. College credit earned may count as an elective or academic credit depending on the receiving college's transfer credit policies.

Program information and registration instructions are available in the career and counseling centers or from classroom instructors. Or visit Whatcom County's CTE Dual Credit website at: btc.edu/ctedualcredit. All college CTE Dual Credit courses accepted for credit will be added to their transcript at the college with the grade earned in the student's high school course. Courses must be transcribed at the college during the same academic year the course was taken at the high school. Please be aware that award of articulated credits through BTC or WCC does not guarantee or imply acceptance of such credits by other institutions. The following courses are designated as CTE Dual Credit and are identified in the course descriptions. For additional information, please see your counselor. Culinary 1; Culinary II; IT-Computer Systems (formerly Student Help Desk), Medical Terminology; Metals I; Metals II; Advanced Metals; Power & Energy; WebDesign; Careers in Education; Landscaping.

RUNNING START

The Running Start program is a statewide partnership between high schools and community and technical colleges. The program allows high school juniors and seniors to attend these post-secondary institutions while in high school. Students who enroll in Running Start will be eligible to earn both high school and college credit for the courses they take at the college. Participation in Running Start requires that students be a high school level junior or senior **and** demonstrate the ability to enroll in college level English by cumulative GPA (2.5 or better) or Accuplacer Reading Test. Math Placement is **not** required for Admission. Once eligible for the program, students may enroll in both high school and college classes, or they may enroll solely at the college. Running Start students may take any class numbered 100 level or higher (college level) with their tuition covered by the State of Washington. However, students are financially responsible for all books, supplies, fees, and transportation costs to and from the college.

Seal of Biliteracy

Students who have a high level of proficiency in speaking, reading, writing in one or more language in addition to English may be able to earn the Seal of Biliteracy and up to 4.0 credits of competency credit. To earn this, students will take a test to demonstrate proficiency level. If a student earns a level of proficient on the test, they are awarded up to 4.0 competency credits and if they have completed their ELA graduation requirements for that year, they will earn the Seal of Biliteracy. Tests are offered in many languages, please see your counselor for dates and more information of when testing will occur.

SCHEDULING

SCHEDULING FOR CLASSES

It is the philosophy of Ferndale High School that students are responsible for choosing the classes that will meet their educational and career goals. To accommodate this belief we allow students to pick the classes they would like to take the following year encouraging them to use the High School and Beyond Plan (HSPB) in the selection of their class elective choices.

During the spring, students will receive scheduling information for the following year from their counselor. This information will include a digital scheduling forms, available classes, graduation requirement information, specific classes that must be taken, and any other pertinent information. In choosing classes it is highly recommended that students follow these steps:

- 1) Review High School and Beyond Plan on My School Data.
- 2) Talk to your counselor for planning assistance or to ask questions
- 3) Review information with your parents
- 4) Enter Requests online by the deadline

EAGLE TIME

EAGLE Time is time embedded during the school week to provide academic support, academic enrichment, Social Emotional Learning, and multicultural outreach for all students. During this time, students will have an opportunity to work on their HSBP, assignments, obtain staff guidance or mentoring, attend college/career sessions, and become better connected to our FHS community. We are currently scheduled to have EAGLE Time after our first class of the day once a week.. EAGLE Time will also be the time that we schedule assemblies and school wide community service projects like our annual food drive. Most students will be assigned to a grade level EAGLE Time group of with an EAGLE Time mentor who will work with them throughout his/her FHS career. Students will receive a P (.125 credits) or NC (no credit for this class per semester)

LATE ARRIVAL AND EARLY DISMISSAL

Students will be expected to sign up for a full schedule during their freshman, sophomore, and junior years. Students who have senior standing may choose to schedule less than a full schedule provided they are on-track for graduation, have received an NC for no more than one class during high school, and have an accumulated GPA of 2.5 (on a 4.0 scale), or above. Student may have one Late Arrival or Early Dismissal during their senior year.

WITHDRAWING FROM A CLASS

Students who withdraw from a class after the first twelve days of the semester with prior approval will receive a "W" on their transcript to indicate withdrawal from that course. Furthermore, any student who drops a class after the first twelve days of the semester may be placed in another class on audit status only and must make up past work in order to receive credit for the class. In order to withdraw from a year long class, the student will need to get a "Withdrawal from a Class" form and have the parent/guardian, teacher, and principal sign prior to processing of the withdrawal.

AUDIT STATUS

Any student who enrolls in a class after the first twelve days of the semester without transfer grades from another school will be placed on audit/no credit status. It is the student's responsibility to discuss the requirements for removing the audit status with his/her classroom teachers by making up any past assignments. Students who transfer from another school to FHS after the first eight weeks of the semester with a transfer grade, will not be placed on audit status for any class in which they received a transfer grade from their previous school.

TRANSFERRING CREDIT FROM OUTSIDE FERNDALE SCHOOL DISTRICT

Students who wish to take a class (or classes) from other institutions or through summer programs while a student at FHS, may, with prior approval, transfer the credit back to FHS under the following guidelines. Students are allowed to transfer to FHS a maximum of two credits while a student at FHS, and the credits must come from an accredited program or institution. Students who wish to transfer more than two credits must obtain administrative approval prior to beginning the class or program. This policy does not pertain to students who are enrolling in the Ferndale School District as a new student and transferring credit from their previous school, nor to students taking classes through Running Start.

FULL-TIME STATUS AND GOVERNMENT BENEFITS

Some government programs (including DSHS, Social Security, child support, etc.) that provide assistance for students and their families stipulate that students must be enrolled in school full-time in order to qualify for benefits. Full time status at Ferndale High School is attending all 8 classes per semester plus Eagle Time. Students in running start AND at FHS will be evaluated based of the classes at each school for their full time FTE. If you are receiving any form of government funding, please check with your contact person to ensure that you are meeting that agency's definition of full-time status. Those students who are registered for less than a full time schedule will not be able to receive verification from the school that they are attending full-time.

FEES AND FINES

Class fees are due starting the third week of each semester. The details of required class fees are listed in the course description. Any student taking a physical education class will have a lock checked out to them. If the lock is not returned in the allotted time, a \$10 fine will be assessed. Questions regarding fines and class fees can be directed to the ASB office at 383- 9281.

COUNSELOR CONFIDENTIALITY

Counselors at FHS adhere to a strict code of ethical standards as defined by the American School Counselor Association. This assures that when you talk with a counselor, what you share is held in confidence and is not repeated to anyone, including teachers, parents, administrators, or other students, without your written permission. Exceptions to confidentiality are:

- 1) You authorize the counselor to tell someone else.
- 2) There is a likelihood that a child, a developmentally disabled person, or a dependent adult is being abused
- 3) You are a danger to yourself or others.
- 4) The counselor is ordered by the court to release information

AGRICULTURAL EDUCATION

(Courses Arranged Alphabetically)

ADVANCED METALS TECHNOLOGY—CTE Dual Credit GR: 10-12 REQ: CTE REPEATABLE: YES

PREREQUISITE: METALS TECH II WITH "B" OR BETTER OR PERMISSION. SEM LONG VOC129/VOC130

The student will have the opportunity to increase technical skills and knowledge of materials, as well as the design and fabrication of various structures. Students will work independently or in a small group to work on projects that use the entire time of the semester (students will provide their own ideas for projects). Advanced Metals Technology will develop students' independent thinking skills, work habits and productivity. Students will have to pay for their own projects, or they may seek a sponsor. Students may earn college credits through our **CTE Dual Credit** articulation through Bellingham Technical College by completing this course and the content competencies with a grade of B or better. **A \$20 lab fee is required.**

AGRICULTURE LEADERSHIP

GR: 10-12 REQ: CTE REPEATABLE: YES

PREREQUISITE: ANY AGRI-SCIENCE PATHWAY CLASS SEM LONG VOC133/VOC134

Advanced Ag. is a high level Vocational Agriculture course designed for students who enjoy a variety of different hands on work opportunities. It expands leadership and vocational agriculture skills with an emphasis on leadership developed through the FFA organization. Students will enhance their ability to be independent and self motivated to succeed. Activities often require attention outside of class hours as well. All skills applied in this course will be learned through real world work experience. Specific units include Project Pals, resumes, public communication, current agricultural issues, and promotion and advertisement of the FFA organization. An S.A.E. project will be required. Specific leadership involvement and FFA membership required.

INTRO TO THE TRADES

GR: 9-12 REQ: NONE CTE REPEATABLE: NO

PREREQUISITE: NONE SEM LONG VOC109

This is an introductory class that is meant to connect students with various different trades and industries available in this area. It includes learning specifics of each of these trades while taking a "hands on" approach. Businesses/companies involved in these trades will be visited and/or incorporated within the classroom as much as possible. There is no prerequisite for this course.

LANDSCAPING

GR: 10-12 REQ: CTE. REPEATABLE: YES

PREREQUISITE: PERMISSION FOR GRADE 10 SEM LONG VOC203/VOC204

In this semester long course, students will learn through hands-on experience on campus and in the community. Topics include landscaping, turf basics, career development, leadership/FFA opportunities, plant identification, plant physiology, soils, IPM (Integrated Pest Management), planting container-grown plants, math calculations, irrigation equipment, turf equipment, landscape design, pruning, hardscaping/landscape construction, maintenance and current problems. To accommodate our work out in the field, this class will be scheduled during fourth and eighth period.

METALS TECHNOLOGY 1 – CTE Dual Credit

GR: 9-12 REQ: CTE. REPEATABLE: NO

PREREQUISITE: NONE SEM LONG VOC127

In this basic introduction to agricultural mechanics the following subject areas will be covered: arc welding, Oxy-Acetylene welding and cutting, sheet metal layout and fabrication, metal tempering, sheet metal soldering, spot welding, tool sharpening, residential electricity, and hydraulics. Emphasis will be placed on safe shop practices and developing independent thinking skills in preparation for Metals Tech II. Students may earn college credits through the **CTE Dual Credit** articulation through Bellingham Technical College by completing this course, Metals Technology II, Advanced Metals Technology, and the content competencies with a grade of B or better. **A \$20 lab fee is required.**

METALS TECHNOLOGY 2—CTE Dual Credit

GR: 9-12 REQ: CTE. REPEATABLE: NO

PREREQUISITE: METALS TECHNOLOGY I SEM LONG VOC128

This will be a course that strengthens basic skills learned in Metals Technology I. Arc welding using E6010 and E7018 electrodes, Oxy-Acetylene and plasma cutting, lathe operation, tool sharpening, wire feed

welding for steel and aluminum, and Tungsten inert gas welding revolving around steel and aluminum. Emphasis will be placed on safe shop practices and further development of independent and critical thinking skills. Students may earn college credit through Bellingham Technical College **CTE Dual Credit** by passing this course and Advanced Metals Technology with a "B" or better. **A \$20 lab fee is required.**

SMALL ENGINE OVERHAUL

GR: 9-12 REQ: CTE. REPEATABLE: YES

PREREQUISITE: NONE

SEM LONG VOC145/VOC146

Students will be introduced to a 4-stroke small gasoline engine. They will gain basic theories of operation, tool identification and uses, measuring and determining engine wear, and basic engine diagnostics. Upon completion of their first engine, students are to bring in their own engines for the remainder of the semester. No automotive work will be allowed in this section, but a wide variety of four stroke engines will be studied, and many of the skills gained are very necessary to perform automotive work. A variety of support skills such as welding, shop safety, use of manuals and computers will be covered. Leadership opportunities through the FFA Chapter will be offered in this class.

COLLEGE CREDIT OPTIONS FOR ART INDICATED BY AP

ART

(Courses Arranged Alphabetically)

ART 1

GR: 9-12 REQ: ART REPEATABLE: No

PREREQUISITE: NONE

SEM LONG ART141

Students in this class will be prepared with the vocabulary and technical skills using the elements and principles of art to make connections in historical and cultural art contexts. With a focus on the areas of drawing, painting, and design; students will learn skills needed to communicate in and respond to the visual world while developing an awareness of creative expression and artistic style. **A \$15 lab fee is required.**

ART 2

GR: 9-12 REQ: ART REPEATABLE: No

PREREQUISITE: ART 1

SEM LONG ART142

This course is the second semester in the sequential art series. Art 2 helps each student broaden and refine their skills, while encouraging them to take artistic risks and improve their ability to communicate visually. Students will also initiate a greater emphasis on self-motivation and personal expression. Students will be expected to have 2 or more portfolio pieces by the end of the semester, and should be successful in Art 2 before moving on to Advanced Art Workshop. **A \$15 lab fee is required.**

CERAMICS 1

GR: 10-12 REQ: ART REPEATABLE: No

PREREQUISITE: NONE

SEM LONG ART158

This course is an introduction to hand building pottery techniques including pinch, coil, and slab. This course will also expose students to direct sculpting, surface decoration, and writing. Students are expected to keep journals and participate in classroom critiques. Students will develop the basic skills needed to communicate in and respond to the visual world through problem solving and guided practices in a structured and creative environment. **A \$15 lab fee is required.**

CERAMICS 2

GR: 10-12 REQ: ART REPEATABLE: No

PREREQUISITE: CERAMICS 1

SEM LONG ART177

Students will continue with the clay exploratory, with a focus on wheel throwing, glazing, and refining hand-building techniques. Students are required to complete a list of required skills to pass the class. Students can expect to be able to throw the same shape, build mugs, teapots, pitchers, and lidded vessels. Extra time outside of class time is usually required to become proficient at wheel throwing. Students are expected to keep a current journal of all studio work. **A \$15 lab fee is required.** (Material costs over the basic lab fee will be the responsibility of the student.)

CERAMICS 3

GR: 11-12 REQ: ART OR 1 SEM CTE REPEATABLE: YES

PREREQUISITE: CERAMICS 1 AND 2, PERMISSION

SEM LONG ART159/ART160

Students in this course will experience an in-depth exploration of working with clay in specific skill areas and will also write about responding to clay works. Through guided practice, students will become

proficient in wheel throwing, surface design, Raku, large scale sculpting and other mixed media techniques. Extensive journal writing, sketch books and oral participation in group critiques is expected. Works for submission to art shows will be created. Students will also prepare work and slides for portfolio review at college level standards. This course is designed to prepare students for college level classes. **A \$15 lab fee is required.**

PHOTO & DESIGN

GR: 9-12 REQ: ART OR CTE REPEATABLE: NO
SEM LONG ART131

PREREQUISITE: NONE

This is an introductory course where you'll learn basic photography skills and techniques while also getting familiar with the basics of graphic design and digital art. You'll build a pinhole camera and shoot with it to make photos, learn to compose and shoot with digital cameras, and edit and manipulate your own photos in Photoshop. Using the design process, you'll complete projects that show off your photos and your design skills, and you'll even learn to do some digital art! Photoshop, InDesign, and Illustrator are our computer tools in this course. For those who are interested, opportunities to enter various photo contests will be introduced throughout the semester. Cameras will be provided for use during class time. A \$15 materials fee is required.

VIDEO

GR: 9-12 REQ: ART OR CTE REPEATABLE: NO
SEM LONG ART171

PREREQUISITE: NONE

Start your Hollywood movie-making career here! Video 1 offers skills in basic film production, such as composing great shots, using natural and artificial light, getting clear audio, editing and more. You will be given hi-def camcorders, professional mics, a variety of stabilizers like sliders and Steadicams, etc. to make fun videos. You can even check out gear after school and on weekends to produce your potentially award-winning film. A \$15 materials fee is required.

COLLEGE CREDIT OPTIONS FOR BUSINESS INDICATED BY AP, CTE DUAL CREDIT

BUSINESS/INFORMATION TECHNOLOGY

(Courses Arranged Alphabetically)

ADVANCED MARKETING & BUSINESS--DECA

GR: 10-12 REQ: CTE REPEATABLE: YES
YR LONG BUS223 + BUS224

PREREQUISITE: MARKETING I AND PERMISSION

This is a self-motivated class guided by the instructor in the advanced topics of Marketing and general Business Operations. There will be opportunities to work in the Eagle Café to learn about sales, inventory, marketing, and real-world business. Additionally, students will have access to virtual business simulations. Membership in DECA is mandatory, as students will be in leadership roles and experience the exciting world of business and advertising by working on business plans and preparing for competitions during the year.

BUSINESS COMPUTING INTRODUCTION

GR: 9-12 REQ: CTE REPEATABLE: NO
SEM LONG BUS236

PREREQUISITE: NONE

Introduction to word processing, electronic spreadsheets, databases, presentation software, and e-communications using MS Office. Students can earn MS Office certifications, and these certifications can help you when you are looking for a job or continuing to advanced degrees in education.

BUSINESS INTRODUCTION- CTE Dual Credit

GR: 10-12 REQ: CTE REPEATABLE: NO
YR LONG BUS100 + BUS101

PREREQUISITE: NONE

Students are introduced to the broad field of business emphasizing opportunities, ownership, marketing, physical factors, human resources, finance, regulations, decision-making processes, strategic management and different types of control. By the end of the course, student will complete specific learning outcomes, a realistic business plan and partake in several ethical discussions. These activities incorporate 21st-century skills including thinking creatively, investigating, problem solving, reasoning, and collaborating. This course is a requirement for Advanced Marketing/Business. Students have the ability to earn five college credits.

BUSINESS LAW

GR: 11-12 REQ: CWP OR CTE REPEATABLE: NO

PREREQUISITE: NONE

SEM LONG BUS227

In this course, students will learn about the Law and Courts, Criminal and Tort Law, Contract and Consumer Law, and Credit and Debt. During these units, we will discuss how these laws affect the students and their families. Students will be shown how to access local agencies and other helpful resources. Additionally, students participate in weekly discussions, analyze cases and complete research on current world problems.

EXPLORING COMPUTER SCIENCE

GR: 9-12 REQ: CTE REPEATABLE: NO

PREREQUISITE: Algebra 1

SEM LONG BUS216

Ever wonder how computers think? Have you ever thought it would be fun to make your own app? In this course you will learn computer history and theory, programming principles, and GUI design all while building your own simple apps! Take Exploring Computer Science and learn by doing! Successful completion of Algebra 1 prior to taking this course is required.

IT-COMPUTER SYSTEMS—CTE DUAL CREDIT

GR: 9-12 REQ: CTE REPEATABLE: YES

PREREQUISITE: B AVERAGE IN PREVIOUS SCIENCE CLASSES

SEM LONG TEC101/102

In this fast-paced class, learn from professional level tutorial programs, labs, and lots and lots of hands-on experiences, as you solve real district hardware/software issues. Student Help Desk & Technology grants you the opportunity to prepare yourself for both an entry level tech job and additional technical trainings and programs at the collegiate level. Assignments include the preparation of written and recorded tutorials demonstrating your skills, various projects on the FHS campus and campuses of other FSD schools, a professional portfolio/resume highlighting your experiences and knowledge. This course also provides valuable customer service and troubleshooting experience solving while you work an active tech support and Help Desk.

MARKETING INTRODUCTION

GR: 9-12 REQ: CTE REPEATABLE: NO

PREREQUISITE: NONE

SEM LONG BUS200

This class will explore current market strategies, the marketing environment, and marketing ethics. Students will get to know how marketing concepts actually work in the business and global economies. Students will learn how real companies face marketing challenges, and they will have the opportunity to create and market their own business. This course is a requirement for Advanced Marketing/DECA.

PERSONAL FINANCE

GR: 11-12 REQ: CTE OR 1 SEM 3RD YR MATH REPEATABLE: NO

PREREQUISITE: NONE

SEM LONG BUS220

Learn how to manage your money wisely. Students will explore the fundamentals of budgeting, money management, checking, savings, credit, interest, the stock market, and real estate. This course is extremely important for students entering the work place as well as those going to school, vocational or college, after high school. Students will discuss the merits of stocks and bonds over savings accounts for long or short-term goals. Personal Finance is an opportunity for students to become more money wise before venturing out on their own.

SPORTS/ENTERTAINMENT MARKETING & MANAGEMENT

GR:9-12

REQ:CTE

REPEATABLE: NO PREREQUISITE: NONE

SEM LONG BUS109

Course Description: A course that prepares individuals to apply business, coaching and physical education principles to the organization, administration and management of athletic courses and teams, fitness/rehabilitation facilities and health clubs, sport recreation services, and related services. Includes instruction in course planning and development; business and financial management principles, sales, marketing and recruitment; event promotion, scheduling and management; facilities management; public relations; legal aspects of sports; and applicable health and safety standards.

VIDEO GAME DESIGN

GR: 9-12 REQ: CTE REPEATABLE: NO

PREREQUISITE: Algebra 1

SEM LONG BUS239

Learn how to make 2D games for PC using Construct 3! In this class you will learn about the software, hardware, and mathematical tools used to represent, display, and manipulate two-dimensional objects on a video screen and prepares individuals to function as computer graphics/video game development specialists. Includes instruction in graphics software and systems; computer programming; digital multimedia; graphic design, game design and development; color theory; algebra; geometry; trigonometry and introduction to various mathematical concepts related to interactive computer and computer graphic-based applications. Learn to code by building your own simple video game! Successful completion of Algebra 1 is required.

WEB DESIGN 1A –CTE Dual Credit

GR: 9-12 REQ: CTE REPEATABLE: NO

PREREQUISITE: NONE

SEM LONG BUS237

Learn the essential lingo of web design to build a working multi-page website. Apply your newfound knowledge of color theory, page layout, typography (a fancy word for fonts), web graphics and more to wow your web surfing sidekicks. Sure, you'll have to actually learn to write code, but with some hard work, you'll be a code ninja by the end of the semester.

WEB DESIGN 1B –CTE Dual Credit

R: 9-12 REQ: CTE REPEATABLE: NO

PREREQUISITE: WEB DESIGN 1A OR PERMISSION

SEM LONG BUS238

You will take what you learned in Web 1a to the next level. Working mostly at your own pace, you will explore advance techniques, such a customizing website for phones, and tablets. Your previous experience and innate curiosity will help you as you design a site for a local business, non-profit or other client. You might integrate custom features ranging from motion graphics to widgets, and learn how to add advanced features and interactivity with JavaScript.

WORK BASED LEARNING (WBL)

GR: 11-12 REQ: CTE REPEATABLE: YES

PREREQUISITE: QUALIFYING PATHWAY COURSE OR CAREER CONNECTIONS + JOB

SEM LONG WBL200

Earn credits and dollars when you work! In order to both learn and earn you need to have a current job and work a little more than 10 hours a week (180 hours per semester) for .5 credit or 20 hours a week (360 hours per semester) for 1.0 credit. Students can earn a maximum of 2.0 credits per year for their hours.

YEARBOOK

GR: 9-12 REQ: CTE REPEATABLE: YES

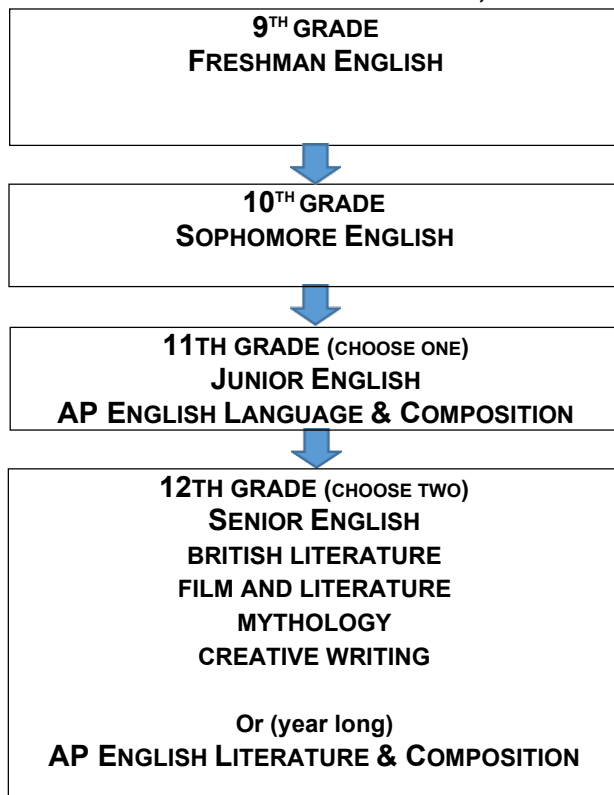
PREREQUISITE: PERMISSION*

YR LONG BUS263+BUS264

If you have an eye for design or are comfortable with a camera, you might qualify for a position in yearbook. Every year, students aim to publish a professional quality book, and will produce magazine-worthy pages with savvy copy and hip headlines. Get great interviews and tell compelling stories. If you stay with yearbook, you will be in line for a leadership position, such as executive, section or photo editor or, if you like making money, you might want to be a business manager. If you thrive on excitement in a creative environment, consider Aquila. (*Freshmen who took yearbook in middle school.) A \$15 materials fee is required.

ENGLISH SEQUENCE OPTIONS

FHS GRADUATION REQUIREMENT: 4 YEARS ENGLISH, 1 EACH GRADE LEVEL



COLLEGE CREDIT OPTIONS IN ENGLISH INDICATED BY AP

ENGLISH

(Courses Arranged by subject)

9TH GRADE

FRESHMAN ENGLISH

PREREQUISITE: NONE

GR: 9-12 REQ: FRESH ENGLISH REPEATABLE: NO
YR LONG ENG 211+ENG212

This is a required English course for freshmen. First semester includes literature, speech, and writing combined in these three units: short story, non-fiction and novels. Students will study mass media techniques and will write multi paragraph papers analyzing their reading during second semester. They will continue to develop their writing skills while studying drama and a novel.

10TH GRADE

SOPHOMORE ENGLISH

PREREQUISITE: NONE

GR: 10-12 REQ: SOPH ENGLISH REPEATABLE: NO
YR LONG ENG221 + ENG222

During the first semester of Sophomore English, units will include advanced practice in writing and communication skills, and close reading. Students will write brief writes and essays focusing on literary analysis and persuasive writing skills. They will participate in a variety of small and large group discussions and projects. Students will also read and analyze poetry, a novel and speeches, increasing academic vocabulary and understanding of literary devices through close reading. For the second semester, students will build on literary analysis by interpreting how literature comes to life during the drama unit, novel unit, short stories and literature circles. Each unit will include extended learning opportunities for students who choose advanced practice. All units will include preparation for state testing that will be embedded within these various units.

11TH GRADE

JUNIOR ENGLISH

PREREQUISITE: NONE

GR: 11-12 REQ: JR ENGLISH REPEATABLE: NO
YR LONG ENG231 + ENG232

A chronological approach to American Literature covers fiction, nonfiction, drama and poetry. The writing component includes persuasive writing, expository writing strategies, and literary analysis. During second semester the approach to American Literature continues with the Comic Imagination, and a novel unit. The writing builds on first semester skills, adding more expository writing strategies. The major project second semester is a formal research paper. Successful completion of the research paper is a requirement to pass second semester Junior English.

ENGLISH LANGUAGE & COMPOSITION AP

PREREQUISITE: NONE

GR: 11 REQ: JR ENGLISH REPEATABLE: NO
YR LONG ENG265 + ENG266

Students will read and carefully analyze a broad and challenging range of nonfiction and fiction prose selections, deepening their awareness of rhetoric and how language works. Through close reading and frequent writing in various modes, students will develop their abilities to work with language and text with a greater awareness of purpose and strategy, while strengthening their own composing abilities. Students will also demonstrate the ability to research, analyze, synthesize and evaluate a topic for a research paper. Second semester will focus on studying intimations of argument; the strategies authors use to develop arguments and developing their own arguments. Students will also be preparing for the AP exam.

12TH GRADE (Choose TWO of the semester long courses)

ENGLISH LITERATURE & COMPOSITION AP

(NO FEE UNLESS AP EXAM TAKEN)

PREREQUISITE: JR ENGLISH + PASSED HSPE/ELA

GR: 12 REQ: SR ENGLISH REPEATABLE: NO
YR LONG ENG267+ENG268

This year-long course is designed to engage students in careful reading and critical analysis of imaginative literature. Students will be expected to participate in thoughtful discussion with their peers and respond in both analytical and personal writing to the readings. Particular emphasis will be placed on close reading of selected texts to deepen students' understanding of a writer's use of language and a work's structure, style and theme. Students can opt to take the AP Exam in May.

SENIOR ENGLISH

PREREQUISITE: NONE

GR: 12 REQ: SR ENGLISH REPEATABLE: NO
SEM LONG ENG243

This semester-long course is designed to prepare students for their post-high school life. Students will read and learn to appreciate a variety of literary texts by diverse authors. Students will practice writing clearly to analyze and synthesize texts, make connections between the texts and their lives, as well as demonstrate public speaking and presentation skills.

BRITISH LITERATURE

PREREQUISITE: NONE

GR: 12 REQ: SR ENGLISH REPEATABLE: NO
SEM LONG ENG246

This semester-long course will survey British Literature by reading texts from different historical periods, from the Renaissance Era to the Modern Era, in England. Students will examine how a variety of texts, including poetry, drama, and satire, reflect each historical period. Students will practice writing clearly to analyze and synthesize texts, conduct research to make contemporary connections, as well as demonstrate public speaking and presentation skills.

MYTHOLOGY

PREREQUISITE: NONE

GR: 12 REQ: SR ENGLISH REPEATABLE: NO
SEM LONG ENG248

Ever curious about how Tolkien got his inspiration? Read Percy Jackson and want to know more? Want to learn cross-cultural perspective on myths, mythologies and folklore from around the world? This senior-only hero's journey focuses on world mythology (Greek, Norse, Egyptian, East Asian and North American), the underlying assumptions and values within the selected works and the structure, techniques, and intentions of the genres being studied. You will primarily write short responses but will also write multi-paragraph essays and one or more major research papers/presentations. In addition, you will also work on college and career readiness which may include resumes, cover letters and college applications.

CREATIVE WRITING

GR: 12 REQ: SR ENGLISH REPEATABLE: NO
SEM LONG ENG 245

PREREQUISITE: NONE

This is a one-semester English course for seniors. Working from exemplary models, students will have the opportunity to craft poems, songs, short stories, and creative non-fiction. This course will focus on the creative writing process by analyzing and emulating popular authors and their styles. Students will explore approaches to revision for unity of voice, diction, style, and clarity of ideas. At the end of the course, students will write a proposal letter to a publisher.

FILM AND LITERATURE

GR: 12 REQ: SR ENGLISH REPEATABLE: NO
SEM LONG ENG247

PREREQUISITE: NONE

This course explores how character development, plot, narrative, symbols, and language are translated from literary texts to film, and considers the limitations and creative liberty of film adaptation. Students will read a wide variety of texts that include novels, plays and stories, then compare them to various versions of movies and films.

ELECTIVES

THEATER ARTS

GR: 9-12 REQ: ART REPEATABLE: YES
SEM LONG ART173/ART174

PREREQUISITE: NONE

Theatre Arts 1 is designed for students who want to learn about the basics of theater to become a better performer and public speaker. They will be required to participate in a variety of activities in class as well as attend and review a live performance outside of class. Students will study improvisational techniques to improve their thinking skills, stage skills and collaboration skills. The culminating activity for this semester long elective is participation in the production of small group dramatic scenes. Theatre education is important for all students and has the ability to inspire creativity and confidence in the lives of students in any endeavor.

COLLEGE CREDIT OPTIONS IN FAMILY/CONSUMER SCIENCE INDICATED BY CTE DUAL CREDIT

FAMILY AND CONSUMER SCIENCE

(Courses Arranged Alphabetically)

BAKING & PASTRY

GR: 10-12 REQ: CTE REPEATABLE: NO
SEM LONG HFL365

PREREQUISITE: CULINARY 1

If you loved baking in Culinary 1, you are going to LOVE this class dedicated to just Baking & Pastries! In this class, you will take your baking to the next level by focusing on both sweet & savory baked creations including quick breads, yeast breads, pastries and international baked foods. We will also explore many sweet treats including cookies, cakes, custards, mousses, plated desserts and more! Bring your WA State Food Handlers Card! This class is going to be sweet!

CAREERS IN EDUCATION-CTE Dual Credit

GR: 10-12 REPEATABLE: NO
YR LONG EDU101+EDU102

PREREQUISITE: NONE

Want to make a difference in your community? Enjoy working with youth? Ready for a rewarding career? In Careers in Education you will gain the knowledge, skills, and practices required for a teaching career. The course focuses on the general theory and practice of learning and teaching, the basic principles of educational psychology, the art of teaching, and the social foundations of education. In addition, you will be prepared them for the beginning levels of a variety of human service careers.

CULINARY 1—CTE Dual Credit

GR: 10-12 REQ: CTE REPEATABLE: NO
SEM LONG HFL362

PREREQUISITE: NONE

Culinary 1 is the introductory class and prerequisite class for Culinary 2, Baking & Pastry, and International Foods. In this class we will focus on culinary principles that will lay the foundation for any future kitchen experiences. Whether you just want to learn to cook for life on your own or you are planning a career in the food service industry-- this class is for you! In this class we will explore the fundamentals of food preparation and eating for a healthy lifestyle as we focus on baking and cooking from scratch using proper safety & sanitation procedures. As part of the class students will take the Washington State Food Handler's Test and purchase the Food Handler's Card online (\$10).

CULINARY 2—CTE Dual Credit

GR: 11-12 REQ: CTE REPEATABLE: NO
SEM LONG HFL363

PREREQUISITE: CULINARY I

Culinary 2 will build upon the culinary essentials that you have already learned in Intro to Culinary. In this class we will expand your knowledge of herbs, spices, cooking methods, kitchen tools & equipment, culinary terminology, garnishing & plating, and so much more! We will also introduce students to many different types of commercial equipment and explore careers in the Food Service Industry. Bring your WA State Food Handlers Card and get ready to cook! See you in Culinary 2!

INTERNATIONAL FOODS

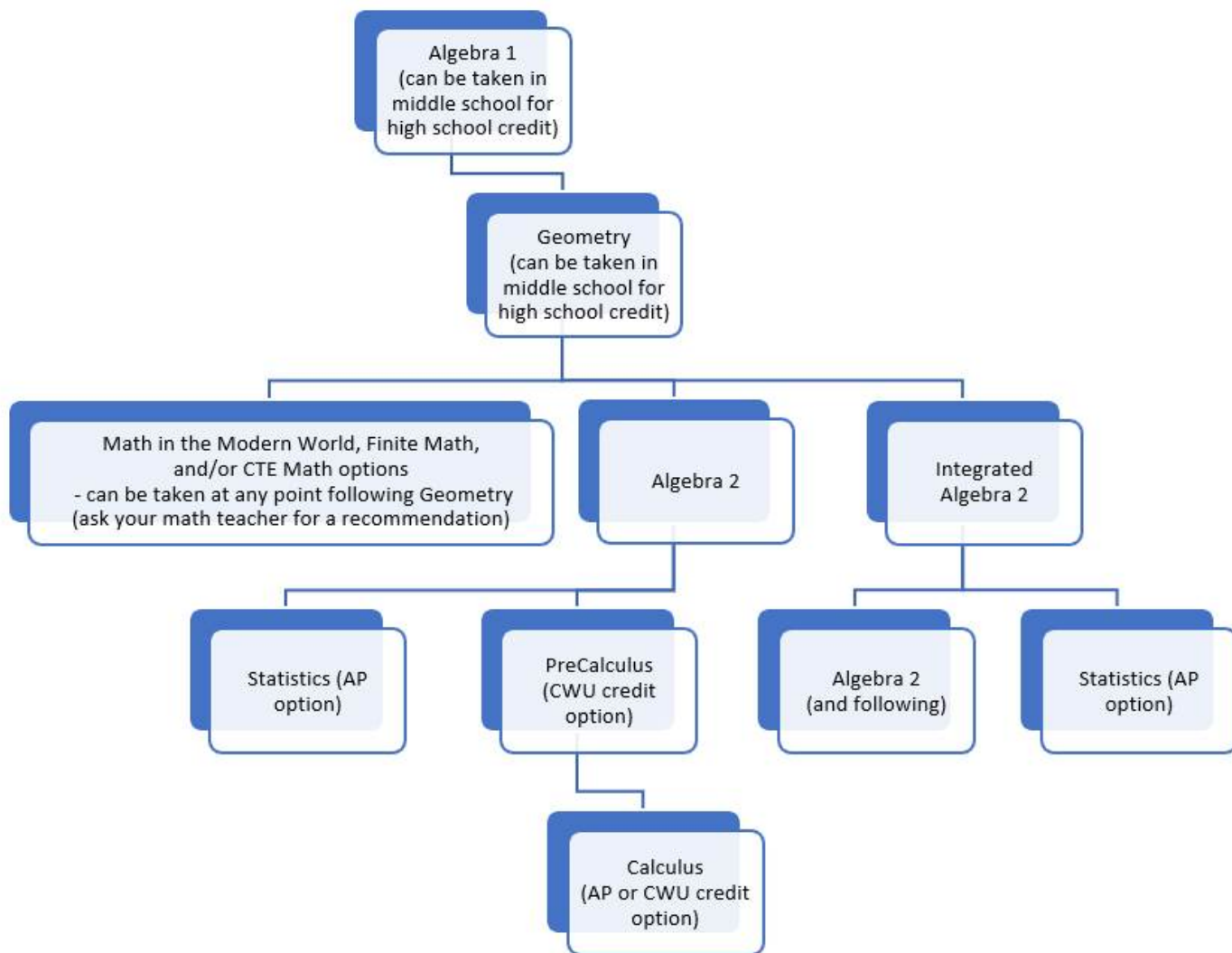
GR: 10-12 REQ: CTE REPEATABLE:NO
SEM LONG HFL369

PREREQUISITE: CULINARY I

Take a Culinary Journey this year in International Foods! This NEW class is open to all students who have completed Culinary 1 (formally Intro to Culinary). Learn about different ingredients, cooking methods, cuisines and cultures as we cook our way around the world! Bring your own family recipes or cultural stories to share! This is a class you won't want to miss! A WA State Food Handlers card is required for this class.(\$10).

MATH SEQUENCES

STATE GRADUATION REQUIREMENT: 3.0 YEARS ON HIGH SCHOOL TRANSCRIPT FOR HIGH SCHOOL DIPLOMA
COLLEGE ENTRANCE REQUIREMENTS MAY REQUIRE SPECIFIC COURSES—SEE YOUR COUNSELOR.
#NCAA WILL NOT ACCEPT INTEGRATED ALGEBRA 2 FOR ELIGIBILT



Notes:

- The 3rd year math requirement may be satisfied by taking any two of the following courses, *Personal Finance*, *Math in the Modern World*, and *Finite Math*. See your counselor for details.
- Both *Math in the Modern World* and *Finite Math* can be taken as either 3rd or 4th year courses.
- AP Statistics may be taken as a 4th year course, or taken concurrently with either Precalculus or Calculus
- *All math students are expected to have a calculator as noted in the course descriptions. A limited number of calculators are available for check-out to students who are unable to purchase their own calculator. Additional math courses may be offered to address the needs for meeting state graduation requirements. These requirements include Smarter Balance Assessments (SBA exams) at the end of sophomore year (primarily testing Algebra 1 and Geometry) as well as specific math credits.* Course codes are not listed for required courses or those with placement determined by school.

MATH

(Courses Arranged by Content)

ALGEBRA 1

ALGEBRA FOUNDATIONS

GR: 9 & 10 REQ: ELECTIVE REPEATABLE: NO

PREREQUISITE: PLACEMENT BY TEST SCORES & TEACHER REC.

YR LONG PLACEMENT

Students review Pre-algebra topics and study the first semester of Algebra 1 including writing and solving equations, graphing lines, area, perimeter, and the distributive property. Students focus on effective study habits and practices in mathematics with an emphasis on laying the groundwork for success in future math. **A scientific calculator is required (example TI-30).**

ALGEBRA 1

GR: 9-11 REQ: ALG 1 REPEATABLE: NO

PREREQUISITE: NONE

YR LONG--PLACEMENT

During the first semester of this course, the student will learn to use and understand the language and methods of algebra that are essential in learning all branches of mathematics, including the idea of a function. The emphasis will be on problem-solving with linear models in particular, using equations, graphing and inequalities. During the second semester, students will explore similar ideas under nonlinear models. **A scientific calculator is required (example TI-30).**

ALGEBRA 1 Math Lab

GR: 9-10 Elective REPEATABLE: Yes

PREREQUISITE: PLACEMENT BY TEST SCORES & TEACHER REC.

Semester--PLACEMENT

This course supports students who are taking Algebra 1 concurrently at FHS. The course builds success and confidence in Algebra skills. Students spend extra time previewing, practicing, and reviewing key concepts taught in their regular Algebra 1 class. There will also be opportunities for students to seek individual help on their Algebra 1 assignments. Throughout the course, students will work on foundational skills, effective study habits, and useful practices in mathematics. **A scientific calculator is required (example TI-30).**

GEOMETRY

GEOMETRY

GR: 9-12 REQ: GEOMETRY REPEATABLE: NO

PREREQUISITE: ALGEBRA 1

YR LONG PLACEMENT

This course builds on students' intuitive understanding of shapes and angles towards the discovery and investigation of new and complex combinations and characteristics thereof. Logic and justification of reasoning based on previously determined facts are a significant component of the course. Problems in context are used to build conceptual understanding and to practice concepts learned. **A scientific calculator is required (Example TI-30).**

Geometry Math Lab

GR: 10-12 Elective REPEATABLE: Yes

PREREQUISITE: PLACEMENT BY TEST SCORES & TEACHER REC.

Semester LONG--PLACEMENT

This course supports students who are taking Geometry concurrently at FHS. Students receive time to work through key concepts taught in their regular Geometry class. There will also be opportunities for students to seek individual help on their Geometry assignments. There are opportunities to review algebra concepts that align to the geometry content as well as future math courses. The focus of the class is to develop and build effective study habits, and useful practices in mathematics. **A scientific calculator is required (example TI-30).**

3RD YR MATH

ALGEBRA 2

GR: 10-12 REQ: 3RD YR MATH REPEATABLE: NO

PREREQUISITE: ALG 1 & GEOM GRADE OF B OR BETTER OR INTEGRATED ALG 2

YR LONG MAT453 + MAT 454

This two semester course builds upon and extends the previous two year's concepts of algebra, geometry and discrete math. We will explore mathematical models, linear, quadratic, exponential and logarithmic functions, systems of equations, and trigonometry. A grade of B or better in Algebra 1 is highly recommended before enrolling in Algebra 2. A graphing calculator, (TI-84) is strongly recommended for students in Algebra 2 and subsequent classes (A TI-Nspire or similar CAS calculator is not allowed on tests/quizzes).

ALGEBRA 2 Math Lab

GR: 10-12 Elective REPEATABLE: Yes
Semester--PLACEMENT

PREREQUISITE: PLACEMENT BY TEST SCORES & TEACHER REC.

This course supports students who are taking Algebra 2 concurrently at FHS. The course builds success and confidence in advanced algebra skills. Students spend time previewing, practicing, and reviewing key concepts taught in their regular Algebra 2 class. There will also be opportunities for students to seek individual help on their Algebra 2 assignments. Throughout the course, students will work on foundational skills, effective study habits, and useful practices in mathematics. **A scientific calculator is required (example TI-30).**

INTEGRATED ALGEBRA 2

GR: 11-12 REQ: 3RD YR MATH REPEATABLE: NO
YR LONG MAT253 + MAT254

PREREQUISITE: ALG 1 & GEOM GRADES C OR BELOW

This course is designed as a bridge between Geometry and Algebra 2. Students will generally have earned grades below B's in Algebra 1 and Geometry. This course explores linear, rational, radical, exponential, power, polynomial, and circular functions. Students also study logical reasoning, sequences, transformations and linear programming. A graphing calculator is strongly recommended. **Either a graphing calculator (example TI-84), or a scientific calculator (example TI-30) is required.**

NCAA athletes please see your counselor before requesting Int. Alg. 2.

Mathematics in the Modern World-w/ CWU option

GR: 11-12 REQ: 3RD YR MATH REPEATABLE: NO
Sem LONG MAT275

PREREQUISITE: ALG 1 & GEOM

Students will study selected topics from applications of mathematics within our society, designed to advance critical thinking and quantitative reasoning. Topics include estimation, modeling, and data analysis Student may receive college credit through the Cornerstone program. See details under college/high school credit programs. This course, taken in conjunction with Finite Math or Personal Finance(see CTE course offerings) will meet the graduation requirement for a 3rd year of math.

Finite Mathematics-w/ CWU option

GR: 11-12 REQ: 3RD YR MATH REPEATABLE: NO

PREREQUISITE: ALG 1 & GEOM

Sem LONG MAT281

This course focuses on decision making in real world context with preparation for statistics. Topics include probability, mean, median, mode, and normal distribution. Students will learn to interpret and model real world data. Student may receive college credit through the Cornerstone program. See details under college/high school credit programs. This course, taken in conjunction with Mathematics in the Modern World or Personal Finance (see CTE course offerings) will meet the graduation requirement for a 3rd year of math.

CTE AND SCIENCE OPTIONS FOR 3RD YEAR MATH

Personal Finance, Carpentry/Construction Technology, Engineering Design 2, Adv. Engineering Design, and Physics. See your counselor for details to count these classes as your third-year math.

MATH ELECTIVES CONTINUED

PRECALCULUS—w/ CWU option

GR: 11-12 REQ: 3RD YR MATH OR ELECTIVE REPEATABLE: NO
YR LONG MAT483 + MAT484

PREREQUISITE: C+ IN ALG 2, OR PERMISSION

The first semester explores properties of polynomials, exponential and logarithmic functions; and trigonometry. These topics have been identified as being basic to most Calculus and Linear Algebra courses. Second semester examines sequences, series, limits, mathematical induction, vectors, polar coordinates and trig identities. These subjects are designed to prepare the student for Calculus and other technical or college level mathematics courses. A grade of "B" or better in prerequisites is strongly recommended. Graphing calculators (example TI-84) are used daily. A TI-Nspire or similar CAS calculator is not allowed on tests/quizzes. Student may receive college credit through the Cornerstone program. See details under college/high school credit programs. Note: Integrated Algebra 2 is not sufficient as a prerequisite for the Fall 2022 Precalculus course.

CALCULUS AB –AP

PREREQUISITE: PRE-CALCULUS

GR: 12 REQ: MATH ELECTIVE REPEATABLE: NO
YR LONG MAT485 + MAT486

During the first semester, the student will learn to use and apply differentiation techniques. Students will explore the derivative and its application to velocity, related rates, and maximum-minimum problems. Real world problems from Physics and Economics are studied. Instructional units in second semester examine the integral and its application to area, volume, and work. All students will prepare for the AP Calculus test, although taking the test is optional. Graphing calculators (example TI-84) are used daily. A TI-Nspire or similar CAS calculator is not allowed on tests/quizzes. Student may receive college credit through AP testing. See details under college/high school credit programs.

CALCULUS BC –CWU or AP options

PREREQUISITE: PRE-CALCULUS

GR: 12 REQ: MATH ELECTIVE REPEATABLE: NO
YR LONG MAT487 + MAT488

Students will study the same content as the AB Calculus students, but also be responsible for additional units, such as Sequences and Series. All students in the BC option will prepare for the AP Calculus test, although taking the AP exam is optional. All students in the CWU option will take the CWU final exam. Please consult with colleges regarding the credit options available for passing scores on the BC test. A “B” or better in Pre-Calculus is strongly recommended. Graphing calculators (example TI-84) are used daily. A TI-Nspire or similar CAS calculator is not allowed on tests/quizzes. Student may receive college credit through AP testing or the CWU (Cornerstone) program. See details under college/high school credit programs.

MULTIVARIABLE CALCULUS I and II

PREREQUISITE: CWU (MATH173) OR CALCULUS BC (3 ON THE BC EXAM) OR PERMISSION

GR: 12REQ: MATH ELECTIVE REPEATABLE: NO

CM272/CM273

Students will study differential and Integral calculus of multivariable functions and related topics. This yearlong class is the equivalent of 10 college credits. Students may choose whether to take the course for college credit. This course may not be available every year. Availability will be contingent upon staffing and enrollment.

STATISTICS—AP

REPEATABLE: NO PREREQUISITE: A C- IN ALG 2 OR B+ IN INT ALG 2 OR PERMISSION

GR: 11-12 3RD YR MATH OR ELECTIVE

YR LONG MAT491+MAT492

Part of this course will cover descriptive statistics, which is the process of collecting data, summarizing it, and describing its characteristics. Time will also be spent designing, executing, and interpreting experiments and simulations. Most of the emphasis, however, will be inferential statistics. This is the process of using data to obtain information about the world we live in. Topics will include describing data, data analysis, bivariate data, discrete probability distributions, the normal probability distribution, and tests of hypothesis. This course will give the successful student a taste of the statistical field and a strong foundation for a statistics course in college. TI-83 or TI-84 graphing calculators are used daily.

LEADERSHIP

LATINO CULTURAL AWARENESS/LEADERSHIP I or II

PREREQUISITE: PERMISSION

GR: 10-12 REQ: ELEC REPEATABLE: YES

PLACEMENT BY TEACHER LIST

What does it mean to be “Chicano”, “Mexican American”, “Hispanic” or “Latino” in the United States? In this course we explore the intersections of identity, place and history. We will investigate how our understanding of our place in American cultural life has shaped us and how these events affect our individual identity formation. Students will examine the multiple ways that “Chicanos” have been defined and named in the United States, as well as understand the contributions Chicanos have had made to the larger U.S. culture. Students will discuss the ways in which historical events, social and economic change, and social movements shape and are reflected in changing personal identity, family experiences, stories, and memories. Through this newfound knowledge, students will be pushed to become leaders in their school and surrounding community. Topics covered include self-esteem, peer leadership, goal setting, group dynamics, problem solving, and communication skills. The class is open to all grades with staff member permission.

LEADERSHIP 1

GR: 10-11 REQ: ELECTIVE REPEATABLE: NO

PREREQUISITE: PERMISSION

YR LONG – PLACEMENT BY TEACHER LIST

The Leadership I class will allow students to learn basic leadership skills. Topics covered include self-esteem, leadership, goal setting, group dynamics, problem solving, and communication skills. Students must demonstrate knowledge and ability of these skills in order to take the Leadership II Class. The class is open to all 10th and 11th graders. Students willing to take a risk are encouraged to apply. Some night time commitments will be required. **There is a \$6.00 fee per semester.**

LEADERSHIP 2

GR: 11-12 REQ: ELECTIVE REPEATABLE: YES

PREREQUISITE: PERMISSION

YR LONG—PLACEMENT BY TEACHER LIST

Students are encouraged to apply if they are willing to become actively engaged in increasing student involvement in activities, and building school pride. The class is open to all students in grades 11-12, and students willing to take a risk are encouraged to apply. Student body officers and class officers will be given first priority during registration. The class involves hands-on activities with the school and community. Students will be expected to complete school and community related services projects. Some night commitments will also be required. Students may also be admitted to the class on a special project basis to help accommodate challenging class schedules. **There is a \$6.00 fee per semester.**

OKSALE 1

GR: 10-11 REQ: ELECTIVE AND PNW MET REPEATABLE: NO

PREREQUISITE: PERMISSION

YR LONG – PLACEMENT BY TEACHER LIST

This class is designed to be an introduction and exploration of Native American humanities, leadership, and study. The Since Time Immemorial: Tribal Sovereignty in Washington State Curriculum is integrated, which is an inquiry-based, place-based, and integrative approach to learning. Topics include: treaties, tribal sovereignty, governance, and tribal history. This class will focus on learning through leadership which will involve mentoring, community service, and service learning opportunities. Study skills/lab are integrated into the curriculum in order to create successful opportunities in other academic work.

OKSALE 2

GR: 11-12 REQ: ELECTIVE REPEATABLE: NO

PREREQUISITE: PERMISSION

YR LONG – PLACEMENT BY TEACHER LIST

This class delves even further into Native American humanities, leadership, and study. The Since Time Immemorial: Tribal Sovereignty in Washington State Curriculum is integrated, which is an inquiry-based, place-based, and integrative approach to learning. Topics include: social issues, environmental issues, modern reservations, civic action, and responsibility. This class will focus on learning through leadership which will involve mentoring, community service, and service learning opportunities. Study skills/lab are integrated into the curriculum in order to create successful opportunities in other academic work.

PEER TUTOR

GR: 10-12 REQ: ELECTIVE P/F REPEATABLE: YES

PREREQUISITE: TEACHER REQUEST

SEM LONG—COMPLETE FORM

Peer tutors will facilitate class activities as directed by classroom teacher by providing supplemental instructional support via 1 on 1 and small group to students. Peer tutor is not a traditional TA but is expected to work with other students on academic and curricular items. Peer tutor students that are strong in Math, Science, World Language, Social Studies and English are strongly encouraged to sign up for Peer Tutoring. Good communication and interpersonal skills are needed with a willingness to assist other students in learning

MUSIC

(Courses Arranged by Content)

BAND

DRUMMING INTRO

GR: 9-12 REQ: ART REPEATABLE: NO

PREREQUISITE: NONE

SEM LONG MUS113

This course is for that person who has always want to play the drums but has never had the opportunity. This semester long class focuses on how to find a steady beat, the techniques of playing various drums and even some music reading. Before the semester is over each student will learn to play on a basic level the drum set, African drums, marching percussion, tambourines, shakers, cymbals and much more.

JAZZ BAND

GR: 9-12 REQ: ART REPEATABLE: YES

PREREQUISITE: PLAYING EXPERIENCE IN PERFORMING ENSEMBLE OR PERMISSION

YR LONG MUS231/232

Jazz Band is a performing ensemble dedicated to playing and learning about pop, latin, rock and jazz styles. Along with playing standard repertoire, this group will also be introduced to the history of the genre. This is a supplementary course meaning it is required that all Jazz Band students be enrolled in another music class in the same semester. The Jazz Band will perform at least 3 concerts during the year along with select extra-curricular performances and festivals.

PERCUSSION ENSEMBLE

GR: 9-12 REQ: ART OR 1 SEM CTE REPEATABLE: YES

PREREQUISITE: NONE

YR LONG MUS221+MUS222

This course is designed for students who wish to explore and expand their ability to create music with a variety of percussion equipment. Students will develop a vocabulary in the areas of snare, keyboard, percussion, timpani, auxiliary percussion and drum set. Music to be performed will come from a wide range of styles including Latin, rock, classical, marching and percussion. Students will be selected to play in the Wind Ensemble, Symphonic Band, Marching Band, Pep Band and Jazz Band based on ability. Public performances are required as scheduled. **Band Camp:** Is a non-graded activity that is highly recommended. The camp normally takes place the week prior to the start of school. **Marching Band:** Is a co-curricular activity that takes place during the fall. The marching band travels to four festivals throughout the Pacific Northwest. **Students are required to pay a travel fee.** Marching band is not a requirement for Symphonic Band and is not a graded activity.

SYMPHONIC BAND

GR: 9-12 REQ: ART REPEATABLE: YES

PREREQUISITE: NONE

YR LONG – MUS211 + MUS212

This course of study prepares students for membership in the Wind Ensemble through intensive study, skill development, practice and testing to improve musicianship. The Symphonic Band performs as an independent unit in concerts throughout the year. Performances and extra rehearsals are occasionally required after school hours. Private lessons are strongly encouraged. **Band Camp:** Is a non-graded activity that is highly recommended. The camp normally takes place the week prior to the start of school. **Marching Band:** Is a co-curricular activity that takes place during the fall. The marching band travels to four festivals throughout the Pacific Northwest. **Students are required to pay a travel fee.** Marching band is not a requirement for Symphonic Band and is not a graded activity.

WIND ENSEMBLE

GR: 10-12 REQ: ART OR 1 SEM CTE REPEATABLE: YES

PREREQUISITE: AUDITION

YR LONG -- PLACEMENT

The Wind Ensemble is a culminating band experience for students in the Ferndale School District. Wind Ensemble performs as an independent unit in concerts throughout the year. Performances and extra rehearsals are occasionally required after school hours. Private lessons are strongly encouraged. **Band Camp:** Is a non-graded activity that is highly recommended. The camp normally takes place the week prior to the start of school. **Marching Band:** Is a co-curricular activity that takes place during the fall. The marching band travels to four festivals throughout the Pacific Northwest. **Students are required to pay a travel fee.** Marching band is not a requirement for Wind Ensemble and is not a graded activity.

CHOIR

CONCERT CHOIR

GR: 10-12 REQ: ART OR 1 SEM CTE REPEATABLE: YES

PREREQUISITE: AUDITION

YR LONG -- PLACEMENT

This is a mixed performing group for advanced vocal students with previous experience in the techniques of vocal production, music reading, rehearsal and performance. The group performs at school and community events as well as festivals and other venues including a spring tour. Attendance of rehearsals, written and vocal performance tests, frequent practice outside of class, participation in concerts and contests are important parts of the assigned grade. Auditions will be held during March for the following school year. Performance apparel is the FHS choral robe. **Performance fees apply. Students will be responsible for performance/tour fees and fund raising.**

SWING CHOIR

GR: 10-12 REQ: ART OR 1 SEM CTE REPEATABLE: YES

PREREQUISITE: AUDITION

YR LONG -- PLACEMENT

This ensemble is a select group of advanced singers who desire to develop the highest possible level of musicianship through rehearsal and performance. It is encouraged that this class be taken concurrently with Concert Choir. The primary focus of study is on developing ensemble techniques through classical, pop, and jazz literatures. Attendance at rehearsals, written and vocal performance tests, frequent practice outside of class, and participation in concerts are parts of the assigned grade. Auditions are held during March for the following school year. **Members are required to purchase selected performance apparel.**

TALONS – TENOR/BASS CHOIR

GR: 9-12 REQ: ART REPEATABLE: YES

PREREQUISITE: INTEREST IN SINGING AND NATURAL TENOR/BASS VOCAL RANGE

YR LONG MUS423 + MUS424

The Talons choir is for Tenor/Baritone/Bass range vocal students of all ability levels, from beginner to advanced. Prior musical experience is welcome, but not required. This course will focus on developing the student's natural Tenor/Bass singing voice, and on building music reading ability, ensemble singing skills, and team building. The students enrolled in this choir understand that all performances are required. Performance outfits are required. **No audition is required. Performance fees apply.**

TREBLE CHOIR—SOPRANO/ALTO CHOIR

GR: 9-12 REQ: ART OR 1 SEM CTE REPEATABLE: YES

PREREQUISITE: INTEREST IN SINGING AND NATURAL SOPRANO/ALTO VOCAL RANGE

YR LONG –MUS421 + MUS 422

Treble Choir is for Soprano/Alto range vocal students of all abilities, from beginner to advanced. Prior musical experience is welcome, but not required. This course will focus on developing the student's natural Soprano/Alto singing voice, and on building music reading ability, ensemble singing skills, and team building. The students enrolled in this choir understand that all performances are required. No audition is required. Performance apparel is a FHS formal black dress. **Performance fees apply.**

ORCHESTRA

ADVANCED CHAMBER ORCHESTRA

GR: 10-12 REQ: ART REPEATABLE: YES

PREREQUISITE: AUDITION

YR LONG -- PLACEMENT

Chamber Orchestra students will focus on advanced string techniques and string chamber music repertoire. Study will include small chamber groups and students will be strongly encouraged to participate in solo and ensemble festival. Students will be expected to fulfill minimum practice requirements outside of class as assessed by playing tests. Participation in all performances, and festivals is required. Auditions will be held in March for the following year.

SYMPHONY ORCHESTRA

GR: 9-12 REQ: ART OR 1 SEM CTE REPEATABLE: YES

PREREQUISITE: 2 OR MORE YEARS PLAYING EXPERIENCE OR PERMISSION

YR LONG – MUS321 + MUS322

Symphony Orchestra students will focus on both the fundamentals and advancing levels of string technique through a wide variety of orchestral music. This class will collaborate with the Advanced Chamber Orchestra to perform combined orchestra music. Study will also include small chamber groups and students will be strongly encouraged to participate in solo and ensemble festival. Students will be expected to fulfill minimum practice requirements outside of class as assessed by playing tests. Participation in all performances and festivals is required. Students may audition for Advanced Chamber Orchestra in March for the following School year after completing one year of Symphony Orchestra.

MUSIC ELECTIVES

BALLROOM DANCING

GR: 11-12 REQ: ART OR PE ONE SEM ONLY REPEATABLE: FOLLOWING YEAR

PREREQUISITE: NONE

SEM LONG DAN101

This introduction to ballroom dance will emphasize basic patterns and fundamental steps of popular styles such as swing, fox trot, waltz, tango, salsa and cha-cha. The students will get to demonstrate mastery of these styles through choreographed and improvised class performances. Common rules of dance courtesy and a brief overview of ballroom dance history will be included. Music or dance background is not necessary. This course will meet the requirement for a Fine Arts credit.

BEGINNING/INTERMEDIATE GUITAR

GR: 9-12 REQ: ART REPEATABLE: YES

PREREQUISITE: NONE

SEM LONG MUSGU1/MUSGU2

This course is designed for beginners or students with some prior experience to learn the basics of guitar and music theory. This course will focus on reading both tablature and sheet music, learning how to count rhythms, and explore different genres and styles of music. Students will work both in a group setting as well as individual projects. There will be in-class student performance opportunities as well as outside guest performers. **Students must provide own ACOUSTIC guitar.**

HISTORY OF ROCK & ROLL

GR: 9-12 REQ: ART REPEATABLE: NO

PREREQUISITE: NONE

SEM LONG MUS111

This course is designed to be an introduction and exploration of the history of Rock and Roll throughout each era of music. Genres explored will include blues, jazz, classic rock, alternative, country, hip-hop, pop, punk, and heavy metal, among others. Students will familiarize themselves with standout groups and music of each era, making the connection of how each have influenced and are connected to modern music of today. Activities will include listening, analyzing, watching videos, writing, class discussions, research, presentations, and possibly some playing of Rock Band!

BEGINNING PIANO/KEYBOARDING

GR: 9-12 REQ: ART REPEATABLE: No

PREREQUISITE: NONE

SEM LONG MUS140

In this class, students will learn the basic skills necessary to play the piano. We will learn the note names and basic music reading skills. We will learn about hand positions. We will learn about reading melody lines and playing with chords and lyrics. No experience necessary. Students already studying piano may take this class as a peer mentor with some time for practicing. Shared keyboards will be provided in-class, but not for take-home.

MUSIC CREATION LAB

GR: 9-12 REQ: ART REPEATABLE: No

PREREQUISITE: NONE

SEM LONG MUS180

This class is designed for students who are interested in creating their own music. We will cover units on Songwriting, Lyric writing, Composition using staff paper and notation, Electronic composition using computer programs/sampling. There will be opportunities to share your creations throughout the course. We will cover copyright law and "next steps" for budding musicians. Your musical creations will be as unique as you are. Discover the music inside you!

ADAPTIVE MUSIC

GR: 9-12 REQ: ART REPEATABLE: No

PREREQUISITE: NONE

SEM LONG MUS190

In this class all students will have access to music-making that is age appropriate as well as developmentally appropriate. We will explore the different genres of music through listening. We will work on music skills such as steady beat, dynamics, tempo, and pitch through activities like bucket drumming, rhythm stick playing, solfege hand signs, and movement with music. We will develop individual musical skill through singing and beginning keyboarding. Students will have an opportunity to put on a recital where they will show individual musical expression. This course is for students in Life Skills, students with IEP's, and anyone who is interested in learning about music at their own pace. Peer tutors may also choose to work in this class to develop mentorship skills.

PE and HEALTH SCIENCES

(Courses Arranged Alphabetically)

Careers in HEALTH SCIENCES

ADVANCED HEALTHCARE APPLICATION IN SPORTS MEDICINE

GR: 10-12

REQ: CTE OR LAB SCI REPEATABLE: YES PREREQUISITE: SPORTS MEDICINE & 90 HOURS PER SEMESTER AFTER SCHOOL
YR LONG Voc331+Voc332

This course is offered to those students that have successfully completed the Basic Sports Medicine class. Students will be required to complete ninety hours per semester after school in the Sports Medicine/ Athletic Training room with an assigned sports team and 15 hours of research/job shadow time. Students will develop sports medicine skills through class discussions, group research, and independent studies on topics related to the allied health profession. They will commit to two twenty-hour job shadowing experiences. Students involved in the Advanced Sports Medicine class will gain leadership skills by mentoring students from the beginning Sports Medicine class. The emphasis of the class is to apply their skills in clinical situations, and prepare the student for future jobs/education within a wide variety of allied health professions. **A \$10 ASB fee is required for Professional Rescuer First Aid, CPR, and AED certifications.**

HEALTH

GR: 9-12 REQ: HEALTH REPEATABLE:NO

PREREQUISITE: NONE

SEM LONG PLACEMENT

Do you like yourself? Can you handle stress? Do you know the characteristics of good health? Would you be able to perform CPR to save a heart attack victim? This course explores a variety of topics such as drugs, nutrition, family living, and disease that will help you to make responsible decisions related to your health. One semester of Health is required of Ferndale High School students. The purpose of this course is to provide students an opportunity to make responsible decisions related to their physical, mental, and social well-being.

HEALTH SCIENCES: Anatomy and Health GR: 9-12 REQ: CTE or Elective REPEATABLE:NO

PREREQUISITE: NONE, Each Semester is divided into 2 different segments SEM LONG HLT 101

There is great potential for futures in Healthcare. By 2026, there is a predicted shortfall of 2 million healthcare professionals. Health Sciences: Anatomy and Health is designed to create an awareness of basic structure and anatomy of the human body. Instruction includes beginning anatomy, physiology, and basic medical terminology. Also, creating healthy behaviors, creating life-long fitness, health maintenance, and understanding safe living as it relates to disease, and disorders including CPR and AED. Students will develop practical skills for evaluating health such as blood pressure, heart rate, body fat testing, and other health metrics. The course prepares students for future coursework in Beginning Sports Medicine, Advanced Sports Medicine and Medical Terminology/ Anatomy & Physiology.

HEALTH SCIENCES: Healthcare Systems and Careers GR: 9-12 REQ: CTE or Elective REPEATABLE:NO

PREREQUISITE: NONE, Each Semester is divided into 2 different segments SEM LONG HLT 102

There is great potential for futures in Healthcare. By 2026, there is a predicted shortfall of 2 million healthcare professionals. Health Sciences: Healthcare Systems and Careers is designed to develop insight into the current state of healthcare. A large portion of this class is looking at a variety of healthcare careers in the areas of therapeutic services, health informatics, diagnostic services, biotechnology, support services, and alternative medicine including guest speakers with differing healthcare careers. Along with developing insight to potential future careers, students will investigate the current US healthcare system and compare with other developed countries systems. Soft employability skills will be highlighted for future success as a healthcare professional. The course prepares students for future coursework in Beginning Sports Medicine, Advanced Sports Medicine and Medical Terminology/ Anatomy & Physiology.

EXPLORATION AND TERMS OF THE HUMAN BODY—CTE Dual Credit GR: 11-12

REQ: CTE OR LAB SCI REPEATABLE: NO

PREREQUISITE: SPORTS MED + ADV SP MED, OR PERMISSION

YR LONG HLT201+HLT202

Exploration and terms of the human body, also know as Medical Terminology/ Anatomy and Physiology is a two-semester course designed for students who have an interest in advanced biological, veterinary, and health sciences IN the medical field. The course is designed to give students knowledge in medical terms and a deeper investigation of anatomy of the human body including the system of the body (skeletal,

muscular, cardiovascular, respiratory, digestive, nervous, urinary, reproductive, integumentary, and lymphatic and immune). This course is designed for students looking to advance into medical careers after leaving high school requiring a variety of post high school education including internships, technical school, traditional universities and college for bachelor's, master's, and doctoral programs. It is a **CTE Dual Credit** articulated course with 2 credits of Introduction to Medical Terminology (MA101) from Whatcom Community College.

HEALTHCARE APPLICATION IN SPORTS MEDICINE GR: 9-12 REQ: CTE OR LAB SCI

REPEATABLE: NO

PREREQUISITE: NONE

YR LONG VOC311 + Voc312

HASM is designed to give students an opportunity to gain knowledge and skills in a healthcare field and apply them in a practicum setting within FHS. Students will have the opportunity to explore the Sports Medicine field and related allied health professions in a year-long course that will share time in both the classroom and the Sports Medicine/ Athletic Training Room. Students will learn applicable healthcare skills in emergency care, basic anatomy and physiology, prevention, care and rehabilitation of injuries, sports nutrition, strength and conditioning, and health-related issues to be used in a wide variety of future healthcare professions including but not limited to nursing, physical therapy, general medicine, family medicine, diagnostics (Xray, MRI, ultrasound) and emergency medical services. The major emphasis of the class is to acquire the skills in clinical situations and to help the student become more aware of the various allied health professions. ***Beginning Sports Medicine students are required to complete 60 hours per semester in the Sports Medicine/ Athletic Training Room (SMATR) after school and/or during athletic events or within a supervised internship. Students obtain an extra course credit in Sports Medicine Practicum for the extra time (Pass or No Credit, not letter grade). A \$10 ASB is required for Basic First Aid, CPR, and AED certifications.***

PHYSICAL EDUCATION

PHYSICAL EDUCATION

GR: 9-12 REQ: PE REPEATABLE: YES

PREREQUISITE: NONE

SEMESTER LONG—SEE CODES BY SPECIFIC CONTENT

A wide selection of activities will be offered throughout the school year. Specific eighteen week units will be presented based on facility and teacher availability, and may include aerobics, archery, badminton, basketball, biking, bowling, flag football, floor hockey, golf, pickle ball, softball, tennis, volleyball, weight training, YMCA, or yoga. Locks are checked out for all students in PE. **Failure to return a PE lock will result in a fine of \$10.**

FITNESS/WEIGHT TRAINING—PHY123/PHY124

This class emphasizes total conditioning achieved through a mixture of strength, cardiovascular endurance, and flexibility. The course incorporates weight training, running, walking, fitness activities, stretching, and overall body conditioning.

RUNNING/WEIGHT TRAINING—PHY125/PHY126

This course is designed to improve fitness levels through running and participating in various weight lifting routines. The goals of this course are to encourage running as an enjoyable, lifelong fitness activity, as well as promote total body conditioning through activities that improve cardiovascular endurance and total body strength.

WEIGHT TRAINING—PHY127/PHY128

This class emphasizes developing explosive power achieved through a mixture of Olympic lifts, plyometric, speed/agility work, running, core development, flexibility, and overall body conditioning.

YOGA/WALKING—PHY121/PHY122

This course is designed to improve individual fitness levels through a variety of activities designed to encourage healthy lifelong fitness habits. Students will engage in a variety of activities, with an emphasis on walking and yoga routines, to improve cardiovascular endurance, flexibility, core and total body strength, and body composition. Students must come prepared for both indoor and outdoor activities on a daily basis and have appropriate attire for walking in various weather conditions.

DANCE FITNESS—PHY129/PHY130

Do you like to dance? Join this class and get ready to have some fun while moving to current pop hits! You will get a great workout while improving coordination, balance, and over-all well-being. No dance experience needed. All levels welcome!

LIFETIME ACTIVITIES—PHY101/PHY102

This class is designed for those students that enjoy both team games as well as individual sports. The goal of this course is to promote physical fitness through a variety of fitness activities and sports units. The activities and games will be based on facilities, weather, and teacher availability. Activities and games may include: Flag Football, Soccer, Basketball, Volleyball, Floor Hockey, Softball, Ultimate Frisbee, Team Handball, Tennis, Badminton, and Pickle Ball. Sport education will be discussed and reviewed in detail. A 20-30 minutes fitness component is included in all activity/individual sports classes.

ADVANCED WEIGHT TRAINING

GR: 9-12 REQ: PE REPEATABLE: YES

PREREQUISITE: Completed a prior weight training class and Teacher approval

SEMESTER LONG PHY250/PHY251

This is a weight training class that will focus on more of the Olympic style lifts while helping students manage their time in the weight room to help maximize their improvement. Pushing yourself each and every day is the expectation in this class.

SCIENCE SEQUENCE OPTIONS

FHS GRADUATION REQUIREMENT: 3 YEARS SCIENCE (2 YR LAB SCIENCE)

-Most 4-year universities require two courses of science, with at least one year of an algebra-based (chemistry or physics) course.

Grade	4-Year University -All courses can be included in Career and CTE sequences as well.	Career -Sequence does not limit all post-secondary options	CTE -Sequence does not limit all post-secondary options -May start first course in a pathway at any grade
9 th	AP Environmental or Biology (Required)	Biology (Required)	Biology (required) Horticulture 1 & 2 Sports Med. Animal Science Aquaculture 1 & 2 Ag Science 1 & 2
10 th	Honors Chemistry or Chemistry (Required) Forestry/Wildlife*	Chemistry (Required)	Chemistry (Required) Horticulture 1/2 Sports Med. Adv. Sports Med.** Aquaculture 1 & 2 Ag Science 1 & 2 Floral Design*
11 th	AP Biology AP/CWU Physics Addiction & the Brain Forestry/Wildlife*	Physics (Recommended) Astronomy* Oceanography*	Animal Science & Vet Science Horticulture 1 & 2 Sports Med. Adv. Sports Med.** Aquaculture 1/2 Ag Sci 1/2 Floral Design*
12 th	AP Biology AP/CWU Physics AP Physics 2 Addiction & the Brain Forestry/Wildlife*	Physics (Recommended) Astronomy* Oceanography*	Animal Science & Vet Science Horticulture 1 & 2 Adv. Sports Med.** Aquaculture 1 & 2 Ag Science 1 & 2 Floral Design*

*Elective **Pre-requisite ***Rotates

Notes on course offerings:

-Addiction & the Brain and Forestry/Wildlife rotate every other year

-Addiction & the Brain is a semester long class, offered both semesters the year it is offered.

-Forestry is a semester long course that runs sequentially with Wildlife.

COLLEGE CREDIT OPTIONS IN SCIENCE INDICATED BY AP, CWU, UW

SCIENCE

(Courses Arranged Alphabetically)

ASTRONOMY

GR: 11-12 REQ: LAB SCIENCE REPEATABLE: NO

PREREQUISITE: None

SEM LONG SCI 238

The content of this course is based upon the Physical and Earth Science standards of the Next Generation Science Standards (NGSS). Astronomy is a laboratory science course where students actively engage in science and engineering practices to study the composition and structure of the universe. In Astronomy students will explore the properties and motion of bodies in space. Students will also be introduced to astronomical instruments, historical astronomy, the solar system, the structure and life cycle of stars, and the earth-moon system. This is an Algebra-based science course. This course may be taken concurrently with all other science electives.

BIOL100 ADDICTION AND THE BRAIN—UW

GR: 10-12 REQ: LAB SCI REPEATABLE: NO

PREREQUISITE: CHEMISTRY RECOMMENDED

SEM LONG CSB100

THIS IS A UNIVERSITY OF WASHINGTON COURSE. Only those students seeking a UW credit need to pay tuition. All student in the class will receive on their high school transcript the (C) College in the High School designation regardless of tuition paid. Home internet access required. Biology 100: Addiction and the Brain, is offered to university students who are fulfilling a liberal arts requirement for natural world distribution credits. Biology 100 is an introductory, non-majors course (intended for students with all interests) that focuses on mood-altering drugs and addiction. Biology 100 is a science class, not a life- style choices class. As such we will endeavor to understand the scientific basis for how drugs work as well as why some are addictive. We teach the biological basis of addiction, the reasons each drug has specific side effects and how our own genetics predisposes us to respond to drugs in a unique way. **This course may be taken concurrently with all other science courses at FHS.**

AGRICULTURE SCIENCE 1

GR: 9-12 REQ: LAB SCIENCE OR CTE. REPEATABLE: NO

PREREQUISITE: NONE

SEM LONG VOC141

From apples to animals and field trips, we have it covered in this class! Would you enjoy taste testing apples? Have you ever wondered how you turn your love of plants and animals into your dream job? Want to take a try at livestock judging and animal ID? If you answered yes to any of the above, then take a journey through this dynamic & exploratory Agriculture Science I class...start by going on our annual field trip tour de Whatcom! Discover crops grown in Washington State, earn an appreciation for local agriculture and related jobs right here at home. Learn about FHS's amazing FFA program and career development events, mentor during project pals at local elementary schools, design Ag posters...and wrap up the semester with a handmade bow on your custom built evergreen wreath you'll be proud to take home.

AGRICULTURE SCIENCE 2

GR: 9-12 REQ: LAB SC OR CTE REPEATABLE: NO

PREREQUISITE: AGRI-SCIENCE 1

SEM LONG VOC142

Do you love french-fries & homemade ice cream? Let's make our own! Puppies got your heart? Volunteer with Ferndale's Doggie Daycare at Ferndale High! Want to learn how to raise young animals. Enjoy a field trip to a local buffalo ranch as well as team up with the Alternative Humane Society on how to train and care for your kittens and puppies. Interested in drones? Learn firsthand how they are being used in agriculture. Have a green thumb? Take a field trip to our local nursery and investigate soil. Plant seedlings in the FHS Greenhouse & take home your own beautiful hanging basket! #dipmyfrenchfriesinmyicecream #gotdirt #doggydaycare

ANIMAL SCIENCE

GR: 9-12 REQ: CTE or Lab Sci REPEATABLE: NO

PREREQUISITE: AG-SCIENCE 1

SEM LONG VOC135

This class is for anyone who has an interest in animals and no experience is required. The course will focus on the scientific and hands-on principles of animal husbandry and will give you a basic knowledge of sound animal production practices and strategies. You will learn about animal behavior, training and handling. You will also learn about topics such as animal reproduction, artificial insemination, proper care and feeding, beef cattle management. You will have the opportunity to raise and train as well as fit and show an animal at the Lynden fair or choose another supervised agriculture Experience.

AQUACULTURE

GR: 9-12 REQ: LAB SCIENCE OR CTE (ONE TIME) REPEATABLE: ONCE

PREREQUISITE: NONE

SEM LONG VOC100

In Aquaculture, learn how to raise fish through hands on, project based learning. Design and set up aquariums, hatch trout eggs and raise them to maturity. Design and set up your own micro farms with hydroponics and aquaponics. Learn about fish as a natural resource, sport fishing and building fishing rods. The on-campus warm and cold water tanks will be maintained by members of the class, so appropriate clothing is required. **A \$15 class fee is required.**

BIOLOGY

GR: 9 REQ: LAB SCIENCE REPEATABLE: NO

PREREQUISITE: NONE

YR LONG SCI241+SCI242

Biology content is based upon the life science standards of the Next Generation Science Standards (NGSS) integrated with earth science. Biology is a laboratory science course where students actively engage in science and engineering practices to study: the structures and processes of molecules and organisms; the

interactions, energy, and dynamics of ecosystems; heredity and biological evolution. Full participation in this course is essential to a student's preparation for the Washington Comprehensive Assessment of Science taken in 11th grade.

BIOLOGY—AP

GR: 11-12 REQ: LAB

SCIENCE REPEATABLE: NO PREREQUISITE: CHEMISTRY RECOMMENDED

YR LONG Sci281+Sci282

AP Biology is designed to be the equivalent of a college introductory biology course taken by biology majors during their first year in college. It is intended for any student interested in a rigorous college preparatory class experience. Major topics include: molecules and cells, heredity and evolution and organisms and populations. The class provides students with the conceptual framework, factual knowledge and analytically skills necessary to deal critically with the rapidly changing science of biology. This course may be taken concurrently with all other science courses at FHS.

CHEMISTRY

GR: 10-12 REQ: LAB SCIENCE REPEATABLE: NO

PREREQUISITE: BIOLOGY OR AP ENVIR SCI RECOMMENDED

YR LONG Sci251+Sci252

The content of this course is based upon the Physical and Earth Science standards of the Next Generation Science Standards (NGSS). Chemistry is a laboratory science course where students actively engage in science and engineering practices to study the interaction of matter and energy. Students will also explore the structure of the physical universe including: atomic structure, chemical reactions, and the chemistry of the cosmos and our oceans. Full participation in this course is essential to a student's preparation for the Washington Comprehensive Assessment of Science taken in 11th grade. This is an Algebra-based science course. **May be taken concurrently with Physics and all other science electives.**

CHEMISTRY HONORS

GR: 10-12 REQ: LAB SCIENCE REPEATABLE: NO

PREREQUISITE: ALG 1B, BIOLOGY, OR AP ENVIR SCI RECOMMENDED

YR LONG Sci257+Sci258

This course introduces students to fundamental concepts of chemistry and the use of laboratory equipment. It includes the study of matter, energy, atomic structure, chemical reactions and periodic trends. Second semester includes the study of phases of matter, stoichiometry, intermolecular forces, and gas laws. A grade of "C" or better in prerequisites is strongly recommended. Full participation in this course is essential to a student's preparation for the Washington Comprehensive Assessment of Science taken in 11th grade. This is an Algebra-based science course. **May be taken concurrently with Physics and all other science electives.**

ENVIRONMENTAL SCIENCE--AP

GR: 9-12 REQ: LAB SCIENCE REPEATABLE: NO

PREREQUISITE: 9TH GR B OR BETTER IN MS ACCEL SCI + RECOMMENDED IN ALG 1 OR HIGH ER MATH YR LONG Sci279+Sci280

AP Environmental Science content is based upon the life science standards of the Next Generation Science Standards (NGSS) integrated with earth and environmental science. AP Environmental Science is a laboratory science course where students actively engage in science and engineering practices to study: 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 the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Full participation in this course is essential to a student's preparation for the Washington Comprehensive Assessment of Science taken in 11th grade. This course may be taken concurrently with all other science courses at FHS.

ESRM101 FORESTS & SOCIETY--UW

GR: 10-12 REQ: Lab SCI REPEATABLE: NO

PREREQUISITE: BIOLOGY OR AP ENVIR SCI **NEXT OFFERED 2023-2024** SEM LONG CSE101

This is a University of Washington course. Only those students seeking a UW credit need to pay tuition. All student in the class will receive on their high school transcript the (C) College in the High School designation regardless of tuition paid. Forests and Society is a survey course covering forest ecosystems of the world, history of forestry, forest conservation, forest ecosystem function, wildlife in forests, environmental issues in forestry, forest management, forest economics and products, and new approaches to forest management.

FLORAL DESIGN

GR: 10-12 REQ: LAB SCI (2ND SEM ONLY ONCE) OR CTE REPEATABLE: YES

PREREQUISITE: PASSING GRADE IN HORT 1

YR LONG--Voc201+Voc202

This course explores the field of horticulture with an emphasis on the floral and greenhouse aspect. Units include topics such as floristry, with the students creating monthly arrangements, boutonnières, and other

creative projects. Also the growing and care of greenhouse crops, botany, plant taxonomy, entomology, fertilizers, soils, propagation, tools, tissue culture, selected lab work, as well as other aspects of horticulture, will be covered. A wonderful opportunity to expand learning, will be included by CTE leadership activities of the FFA, and a Supervised Agricultural Experience (S.A.E.) Project.

HORTICULTURE 1

GR: 9-12 REQ: CTE OR LAB SCI REPEATABLE: NO
SEM LONG VOC105

PREREQUISITE: NONE

This course explores horticulture, the world of plants and flowers. Greenhouse time is included for growing and propagating selected as a semester project. Through this, you will have the opportunity to gain hands-on knowledge and greenhouse experience. Other areas of course work include exploring jobs in the field of horticulture, plant identification, plant anatomy, and plant physiology and propagation. Students will have the opportunity to develop a Supervised Agriculture Experience (S.A.E.) Project and participate in FFA leadership activities. This course is the pre-requisite for Horticulture 2 and students must earn a passing grade to advance.

HORTICULTURE 2

GR: 9-12 REQ: CTE OR LAB SCI REPEATABLE: YES
SEM LONG VOC108

PREREQUISITE: HORTICULTURE 1

This course explores the greenhouse environment and how it relates to growing a wide array of annual flowers, vegetable starts, and hanging baskets. Students will gain firsthand greenhouse management experience by growing their own crops that will be sold at the spring FFA Plant Sale! It is offered second semester and is designed to explore more areas of horticulture for students who have successfully fulfilled the pre-requisite of Horticulture 1, and it applies knowledge and skills learned in Horticulture 1. Hands-on experience includes entomology, soils, fertilizing, floral designs, plant propagation, greenhouse management, gardening and vegetables, leadership/FFA, and other areas of interest. Students will have the opportunity to develop a Supervised Agriculture Experience (S.A.E.) Project.

OCEANOGRAPHY

GR: 11-12 REQ: LAB SCIENCE REPEATABLE: NO
SEM LONG SCI237

PREREQUISITE: NONE

The content of this course is based upon the Life, Physical, and Earth Science standards of the Next Generation Science Standards (NGSS). Oceanography is a laboratory science course where students actively engage in science and engineering practices to study the exploration, composition, and function of the world's oceans. Students will explore the development and use of instrumentation to study oceans, properties of water, currents, waves, tides, coastlines, marine ecosystems, and environmental impacts on oceans. **This course may be taken concurrently with all other science electives.**

PHYSICS

GR: 11-12 REQ: LAB SCIENCE OR 3RD YR MATH REPEATABLE: NO
YR LONG SCI261+SCI262

PREREQUISITE: CHEMISTRY

The content of this course is based upon the Physical and Earth Science standards of the Next Generation Science Standards (NGSS). Physics is a laboratory science course where students actively engage in science and engineering practices to study the interaction of matter and energy. Students enrolled in Physics will receive an introduction to the central concepts of classical physics and earth and space science. This is an Algebra-based science course. **This course may be taken concurrently all other science electives.**

PHYSICS 111/112 PHYSICS 1--AP (AP PHYSICS 1 + CWU SAME CLASS)

GR: 11-12 REQ: LAB SCIENCE OR 3RD YR MATH REPEATABLE: NO

PREREQUISITE: ALG 2 OR INT ALG 2

YR LONG CSP111+112

This is a Central Washington University course. Only those students seeking a CWU credit need to pay tuition. CWU Physics 111/112 is equivalent to AP Physics 1. This course provides student opportunities to explore principles of Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. The course is based on six Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world. In the course students establish lines of evidence and use them to develop and refine testable explanations and predictions of natural phenomena. It is anticipated that students will spend 25% of instructional time devoted to hands-on laboratory work with an emphasis on inquiry based investigations. This is an Algebra-based science course. Students may receive college credit through AP testing or the Cornerstone Program. See details under college/high school credit programs. This course may be taken concurrently with Chemistry.

VETERINARY SCIENCE

GR: 10-12 REQ: CTE or Lab Science. REPEATABLE: YES

PREREQUISITE: BIOLOGY OR AGRICULTURAL SCIENCE (YEAR)

SEM LONG VOC136

This one semester course offers students an opportunity to gain employability and technical skills needed in postsecondary education and careers in veterinary medicine or related occupations. Students in this course will learn clinical procedures including terminology, handling, pharmacology, anatomy, and other topics pertinent to the veterinary field. This class is for those who have a passion for animals and a drive to learn more. Our class will be linking with several local veterinarians and community members for lessons, labs and field trips. Students who complete this course are encouraged to continue their education and will have a strong foundation for programs such as the BTC Veterinary Assistant program, WSU Animal Science 101, and the Wenatchee Valley College Veterinary Tech program. Course prerequisite is earning a B or better in Agricultural Science, Biology, or instructor approval.

~~ESRM150 WILDLIFE & MODERN WORLD--UW~~

GR: 10-12 REQ: SCI REPEATABLE: NO

PREREQUISITE: BIOLOGY OR AP ENVIR SCIENCE

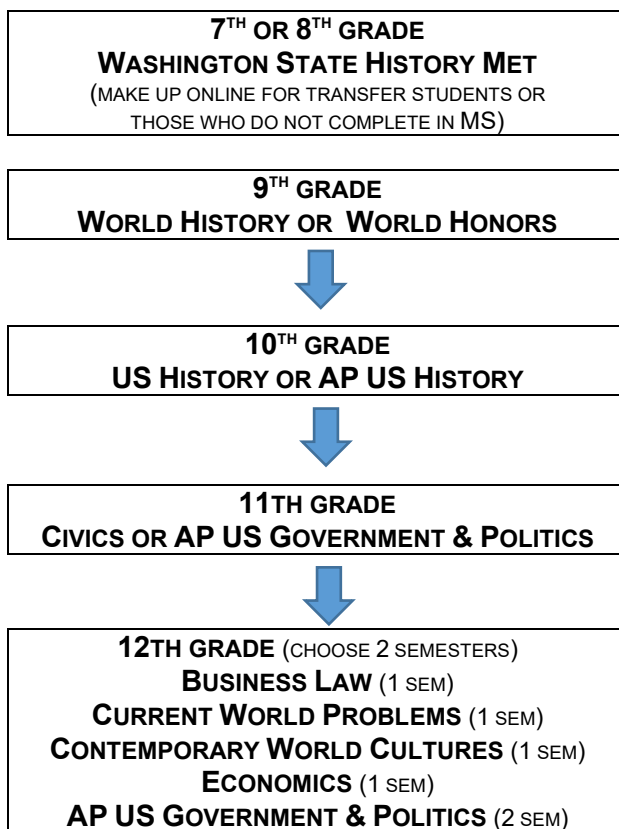
NEXT OFFERED 2023-2024

SEM LONG CSE150

THIS IS A UNIVERSITY OF WASHINGTON COURSE. Only those students seeking a UW credit need to pay tuition. All student in the class will receive on their high school transcript the (C) College in the High School designation regardless of tuition paid. UW ESRM150: Wildlife in the Modern World covers major wildlife conservation issues in North America. Some global issues are also treated. Examples of topics include the conservation of large predators, effects of toxic chemicals on wildlife, old-growth wildlife, conservation of marine wildlife, recovery of the bald eagle, and gray wolf.

SOCIAL STUDIES SEQUENCE

FHS GRADUATION REQUIREMENT: 3.5 YEARS
WASHINGTON STATE HISTORY REQUIREMENT MAY BE MET IN MS



COLLEGE CREDIT OPTIONS IN SOCIAL STUDIES INDICATED BY AP

SOCIAL STUDIES

(Courses Arranged Alphabetically—all courses semester long unless otherwise noted)

BOOK THIEF-- WORLD HISTORY TOPIC

GR: 10-12 REQ: Elect or 1 sem World HIST REPEAT: No

PREREQUISITE: NONE

SEM LONG WORTOP

While reading this book, students will learn about the larger historical context of the events. Grading will be based on class discussion, quizzes and short writing assignments. This option will fulfill requirements for an elective or one semester of World History if the student previously failed. It will meet the same social studies standard of a semester of World History for graduation requirements while giving students a unique opportunity to read and discuss a novel using historical lessons and references.

THE BOYS IN THE BOAT -- US HIST TOPIC

GR: 10-12 REQ: Elect or 1 sem US HIST REPEAT: No

PREREQUISITE: NONE

SEM LONG USHTOP

While reading this book, students will learn about the larger historical context of the events. Grading will be based on class discussion, quizzes and short writing assignments. This option will fulfill requirements for an elective or one semester of US History if the student previously failed. It will meet the same social studies standard of a semester of US History for graduation requirements while giving students a unique opportunity to read and discuss a novel using historical lessons and references.

CIVICS

GR: 11-12 REQ: CIVICS (CLASS OF 2016+) OR US GOV. REPEATABLE: NO
PREREQUISITE: NONE SEM LONG His669

A required course for eleventh graders. This course covers processes of government, and the rights and responsibilities of citizens within the United States as individuals, groups, and parties. The course also includes Washington State government specifics.

CONTEMPORARY WORLD CULTURES

GR: 12 REQ: CWP REPEATABLE: NO
PREREQUISITE: NONE 2ND SEM ONLY--His692

This is a course in which students will improve their awareness of contemporary world cultures and issues. Course topics include world geography, recent history, politics, religion, economics, recreation, the arts, and current events. Students will explore the following world regions: Asia, Africa, Middle East, South America, North America, and Europe.

CURRENT WORLD PROBLEMS

GR: 12 REQ: CWP REPEATABLE: NO
PREREQUISITE: NONE 1ST SEM ONLY—His691

This course will explore the most difficult domestic and international issues facing the world today. Students will research world and domestic problems and the possible solutions to these problems. Topics will include terrorism, human rights, the environment, and cultures in conflict, population, immigration and other selected topics chosen by the instructor. Students should expect this to be a reading and writing intensive course.

ECONOMICS

GR: 12 REQ: CWP REPEATABLE: NO
PREREQUISITE: NONE His653

In this course you will learn how valuable goods and services are traded throughout the U.S. and world economies. Topics include supply and demand, personal investments, government and taxes, labor unions, and international trade. You will learn what influences prices, what role money plays in the economy, and how economic decisions are made. Key economic ideas such as scarcity, opportunity, cost, risk, and liquidity will also be explained

PACIFIC NW HISTORY: THE WASHINGTON STORY

GR: 9-12 REQ: WA HIST REPEATABLE: NO
PREREQUISITE: NONE INDEPENDENT WORK

Students who did not take or complete Washington State History in middle school must meet the state graduation requirement. Course requirements will be completed independently outside the school day. Successful completion will meet the graduation requirement—no credit given.

PSYCHOLOGY 1

NEXT OFFERED 2023-2024

GR: 10-12 REQ: ELECTIVE REPEATABLE: NO
PREREQUISITE: NONE OFFERED EVEN YEARS His651

This is an introductory psychology course designed to give the student an overview of the approaches to psychology as well as in-depth studies into the brain, sensation and perception, consciousness, principles of learning, theories of personalities, healthy personalities, and mental disorders.

PSYCHOLOGY—AP

GR: 10-12 REQ: ELECTIVE REPEATABLE: NO
PREREQUISITE: NONE OFFERED ODD YEARS YR LONG HIS649/650

The purpose of this AP psychology course is to give high school students the opportunity to learn and receive credit for a rigorous college-level course. There is an emphasis on study and test-taking skills, which is aimed at preparing students to be successful on the AP Exam in May. Material and themes taught include history and research methods, social psychology, biological bases of behavior, sensation and perception, states of consciousness, learning and memory, cognition, motivation, emotion, health and stress, development, personality theory, and abnormal psychological disorders and treatments. Students can expect a challenging, college-type course with extensive amounts of reading, writing, and studying. Students are evaluated at a college standard.

U.S. GOVERNMENT & POLITICS--AP

GR: 11-12 REQ: 2 CWP'S REPEATABLE: NO
PREREQUISITE: NONE YR LONG His711+ His712

This course meets graduation requirements for U.S. Government. Over the semester the course will cover the material suitable for U.S. Government in an accelerated manner for the college bound student. Students are prepared for the Advanced Placement exams in May. Material covered includes formation and processes of government, citizen rights and responsibilities, and analysis of primary documents of political

organizations in the U.S. Students can expect a challenging, college-type course with extensive amounts of reading, writing and studying. Students are evaluated on a college standard.

US HISTORY

Gr: 10-12 REQ: US HIST REPEATABLE: NO
YR LONG HIS665+HIS666

PREREQUISITE: NONE

This course will survey the major events in the history of the United States from 1880 to the present geographically, politically and socially, with particular emphasis on the development of the Pacific Northwest. Included will be the development of the west, development of the U.S. labor movement, Native American history spanning the central plains to the west coast, westward expansion, post-World War I society, the Second World War, the Cold War era, Korean and Vietnam War.

AP U.S. HISTORY

Gr: 10-12 REQ: A OR B HNRS/WORLD HIST REPEATABLE: NO

PREREQUISITE: A OR B IN WORLD HONORS RECOMMENDED

YR LONG HIS637+HIS 638

In AP US history, students investigate significant events, individuals, developments and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; Developing historical arguments; Making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides 8 themes that students explore throughout the course in order to make connections among historical developments in different times and places. This will be a rigorous course that prepares students to take the AP U.S. history exam in the spring. All lessons, activities, exams and essays are designed according to AP expectations. Extensive amounts of reading, writing and studying outside of class students are evaluated on a college standard.

WORLD HISTORY

Gr: 9-12 REQ: WORLD HIST REPEATABLE: NO

PREREQUISITE: NONE

YR LONG HIS677+HIS678

World History - the story of Human Invention and Discovery is a two-semester course for ninth graders. This course will explore world history through a conceptual approach. Students will learn about historical patterns and connections focusing on Europe, Asia, Africa, the Far East, Pacific Peoples, and other world cultures. Students will study the geography and movement of peoples from the European Renaissance to the present day struggles for democracy.

WORLD HISTORY HONORS

Gr: 9 REQ: WORLD HIST REPEATABLE: NO

PREREQUISITE: A OR B RECOMMENDED IN MS SOC STUDIES

YR LONG HIS627+HIS628

The story of Human Invention and Discovery is a two-semester course for ninth graders. This course will explore world history through a conceptual approach. Students will learn about historical patterns and connections focusing on Europe, Asia, Africa, the Far East, Pacific Peoples, and other world cultures. Students will study the geography and movement of peoples from the European Renaissance to the present day struggles for democracy.

Students should have good reading and writing skills since the depth of knowledge, use of primary documents, and critical analysis of readings will be at a much higher level than the usual World History course. Students are expected to maintain A/B caliber work.

COLLEGE CREDIT OPTIONS IN TECHNICAL EDUCATION INDICATED BY CTE DUAL CREDIT

TECHNICAL EDUCATION

(Courses Arranged Alphabetically—all classes semester long unless otherwise noted)

ADVANCED ARCHITECTURAL DESIGN

Gr: 10-12 REQ: CTE REPEATABLE: YES

PREREQUISITE: ARCHITECTURAL DESIGN

SEM LONG IND423

This is a continuation of Architectural Drawing. Heating and plumbing, details and schedules will be covered in reading and drawing assignments. House design and drawing of complete plans can be accomplished by repeating this course. Students will work at their own pace.

ADVANCED DESIGN AND CONSTRUCTION

GR: 9-12 REQ: CTE REPEATABLE: YES

PREREQUISITE: DESIGN AND CONSTRUCTION

SEM LONG IND443/IND444

This course is designed to reinforce skills learned during design and construction. Students will be given advanced challenges in problem-solving, and wood working design. Emphasis will be placed on skill refinement and individual systems, including composites manufacturing. Costs will vary depending on projects selected. This course may be repeated for credit. **There is a \$10 lab fee.**

ADVANCED ENGINEERING DESIGN

GR: 10-12 REQ: CTE/ 3RD YR. MATH REPEATABLE: YES

PREREQUISITE: ENGINEERING DESIGN 2

SEM LONG IND403/IND404

This is an Advanced level course in 3D modeling. Students will learn advanced modeling techniques including surfacing and texturing of models and creation of "photo realistic" renderings. Students spend time working on extensive design projects developing working solutions to given problems including creation of functional prototypes. This is a fun, creative class where students are allowed to help guide their learning. **There is a \$10.00 lab fee to help cover supplies.**

ARCHITECTURAL DESIGN

GR: 10-12 REQ: CTE REPEATABLE: NO

PREREQUISITE: ENGINEERING DESIGN 1

SEM LONG IND422

This is a fun, hands on course that offers students an introduction into home planning, design, and drawing. Units include, flow within a home, room size and placement, framing electrical layout, roof design, interior design and site plan layout. Emphasis is on design elements and each student builds a 3 D model of one of their house designs. **There is a \$5.00 lab fee.**

CARPENTRY/CONSTRUCTION TECHNOLOGY

GR: 10-12 REQ: CTE/ 3RD YR MATH REPEATABLE: NO

PREREQUISITE: ADVANCED DESIGN AND CONSTRUCTION

YR LONG IND445+IND446

Have you ever thought about a career in the construction industry? This course offers students with basic wood working experience the opportunity to explore all aspects of construction, from foundation to project management. Students will learn about the different trades associated in the building industry and ways to gain access to those trades. Topics covered include: Jobsite and Equipment Safety, Site lay out, Framing, Finish Carpentry, Electrical, Plumbing, Concrete and Cabinet Making. Students will also have the opportunity to work on large permanent construction projects around the school. **There is a \$10.00 lab fee.**

DESIGN AND CONSTRUCTION

GR: 9-12 REQ: CTE REPEATABLE: NO

PREREQUISITE: NONE

SEM LONG IND441

This course is designed to introduce students to problem-solving, creative design, and manufacturing processes. Units covered will include safety, tool and machine operation, design/carpentry/manufacturing processes, and the application of critical thinking and problem-solving skills. Emphasis will be placed on the construction of assigned and student selected projects/products. Costs will vary depending on design solutions selected. **There is an initial \$10 shop fee for supplies.**

ENGINEERING DESIGN 1

GR: 9-12 REQ: CTE REPEATABLE: NO

PREREQUISITE: NONE

SEM LONG IND401

This is an introductory course in computer aided design, engineering and problem solving. In this exciting, fast paced course students learn the basics of 3D modeling and product development. They will learn to apply the design process from problem statement to finished solution including building working prototypes with the 3D printer and CNC router. **There is a \$10.00 lab fee to help cover supplies.**

ENGINEERING DESIGN 2

GR: 9-12 REQ: CTE OR ALT 3RD YR MATH REPEATABLE: NO

PREREQUISITE: ENGINEERING DESIGN 1

SEM LONG IND402

This is a continuation of Computer Aided Design I. In this section students learn advanced 3D modeling techniques including the basics of animation and vehicle design. Students will have the opportunity to build several working prototypes using the 3D printer and CNC router in order to test their design solutions. **There is a \$10.00 lab fee to help cover supplies.**

POWER & ENERGY—CTE Dual Credit

GR: 11-12 REQ: CTE REPEATABLE: NO

PREREQUISITE: ALGEBRA 1 AND 2 YEARS OF SCIENCE

YR LONG IND447+IND448

This fast paced class gives students an opportunity to learn in a hands on environment about types of energy, and how they are used to create power. We cover how electricity is made, transported and used.

We will also study and build different types of alternative energy sources. This includes soldering solar cells, carving wind turbine blades, making alternators from scratch and creating biodiesel. When we learn about fuels, students actually make their own biodiesel processors. Electronics is also covered in this course. Local industries in Power and Energy are highlighted including careers with the oil refineries and Puget Sound Energy. Learn about sustainable energy sources and the jobs of tomorrow. This is a **CTE Dual Credit** articulated course, eligible for 3 CTE Dual Credit PER SEMESTER. Students can earn 6 college credits (PTEC 195 and PTEC 196) from BTC through this year long course. **There is a \$10 lab fee for this course.**

COLLEGE CREDIT OPTIONS IN WORLD LANGUAGES INDICATED BY UW

WORLD LANGUAGES

(Courses Arranged Alphabetically—all classes are yearlong)

FRENCH 1

GR: 9-12 REQ: ELECTIVE REPEATABLE: NO

PREREQUISITE: "C" OR BETTER IN PREVIOUS SEMESTER ENGLISH CLASS YR LONG WLA211 + WLA212

This is an introductory course for students interested in learning to read, write, pronounce and understand the French language. Emphasis is placed on learning the basic skills, and to begin developing a proficiency in the language. This is a rigorously academic course that builds upon the skills developed daily. Students who choose to study a language must realize that this is a college-prep course. Active participation in daily activities is required to succeed in class. French culture will be introduced throughout the course regarding music, food, crafts, and more. **A \$5 fee First semester is required for cultural activities.**

FRENCH 2

GR: 10-12 REQ: ELECTIVE REPEATABLE: NO

PREREQUISITE: SUCCESS IN FRENCH 1, C OR BETTER GRADE IS RECOMMENDED YR LONG WLA221 + WLA222

This is the continuation of a two-year course for students who have succeeded in beginning French. Emphasis continues to be on formulating basic skills and proficiency in the language. Reading, writing, grammar, comprehension and speaking in addition to culture are covered in this course. Active participation in daily activities is required to successfully achieve in class. **A \$5 fee First semester is required for cultural activities.**

FRENCH 3

GR: 11-12 REQ: ELECTIVE REPEATABLE: NO

PREREQUISITE: A OR B GRADE IN FRENCH 2, TEACHER RECOMMENDATION YR LONG WLA231 + WLA232

Students wishing to continue their study of the French language beyond the second year may take a third year intermediate French class. Class is taught modeling the immersion method: instruction and interaction are primarily in French. Students are introduced to more complicated grammatical concepts, expanded vocabulary, listening and reading comprehension activities, written expression and a vast array of speaking activities; all designed to improve the students' ability to use French to communicate. Students must actively participate in French daily with partners and in groups. **A \$5 fee First semester is required for cultural activities.**

LUMMI LANGUAGE 1

GR: 9-12 REQ: ELECTIVE REPEATABLE: NO

PREREQUISITE: NONE YR LONG WLA001 + WLA002

This introductory course concentrates on basic vowel sounds of Xwlemi Chosen, the Lummi language. Emphasis is placed on learning the basic skills needed to read and write the language along with the development of conversation skills. Daily classroom exercises as well as attendance are required. Periodically, classes will include cultural consultants from the Lummi education system as well as honored Lummi elders.

LUMMI LANGUAGE 2

GR: 10-12 REQ: ELECTIVE REPEATABLE: NO

PREREQUISITE: LUMMI LANGUAGE 1 YR LONG WLA003+WLA004

This course is a review of basic Xwlemi language. Emphasis is on learning advanced reading, writing, and conversational skills to be utilized in daily living. Class will include discussions of Xwlemi culture and history.

SPANISH 1

GR: 9-12 REQ: ELECTIVE REPEATABLE:NO
YR LONG WLA111+WLA112

PREREQUISITE: "C" OR BETTER IN PREVIOUS SEMESTER ENGLISH CLASS

This is an introductory course for students interested in learning to read, write, pronounce, understand, and speak Spanish. Students who choose to study a language must realize that this is a college-prep course and good study habits are essential to developing a proficiency in the language. You must actively participate in daily oral activities to succeed in class. We will also explore the music, food, crafts, geography and culture of the Hispanic world. **A \$5 fee First semester is required for cultural activities.**

SPANISH 2

GR: 9-12 REQ: ELECTIVE REPEATABLE:NO
YR LONG WLA121+WLA122

PREREQUISITE: SUCCESS IN SPANISH 1, C OR BETTER GRADE RECOMMENDED

Second year Spanish continues to develop language learned in Spanish 1. Emphasis is on all aspects of language acquisition, including listening, speaking, reading, and writing. Active participation and study habits are essential. Teachers will steadily increase their use of Spanish and students must follow. All communication is in Spanish by the end of the year. **A \$5 fee First semester is required for cultural activities.**

SPANISH 3

GR: 10-12 REQ: ELECTIVE REPEATABLE: NO
YR LONG WLA131+WLA132

PREREQUISITE: A OR B GRADE IN SPANISH 2, TEACHER RECOMMENDATION

In Spanish 3, students learn to express themselves using different verb tenses, expanded vocabulary and grammatical concepts in a variety of written and spoken ways - such as projects, daily conversations, skits and verbal/written exams. Active participation in Spanish is required to successfully achieve in class. Students and teacher will communicate in Spanish. This is a college-prep course and good study habits at home are essential to continue developing proficiency in the language. **A \$5 fee First semester is required for cultural activities.**

SPAN103-ELEMENTARY SPANISH--UW

GR: 11-12 REQ: ELEC REPEATABLE: NO
YR LONG CW103A+CW103B

PREREQUISITE: A OR B GRADE IN SPANISH 3, TEACHER RECOMMENDATION

UW Spanish 103 is a college level course open to all students who have successfully completed Spanish 3 with a B or better. UW tuition is only required if the student is seeking to earn 5 UW credits. We strongly encourage students and parents to take advantage of this opportunity to earn college credits at a fraction of the usual cost. This course develops fluency through, listening, speaking, and writing compositions. Active participation in daily activities and strong study habits will help you to greatly improve your comprehension and ability to speak the language. **1st semester requires a \$5 fee for cultural activities. 2nd semester requires a \$10 fee for Final Oral Exam Field Trip in June.**

SPANISH 201-INTERMEDIATE SPANISH--UW

GR: 12 REQ: ELECTIVE REPEATABLE:NO
YR LONG CW201A+CW201B

PREREQUISITE: A OR B GRADE IN UW SPANISH 103

Students who have successfully completed UW Spanish 103 may take UW Spanish 201. UW tuition is only required if the student is seeking 5 UW credits. The course is focused on Hispanic culture, film, cuisine and history, as well as listening comprehension, speaking, advanced grammatical concepts, ample vocabulary, composition writing, and reading comprehension. Active participation in daily activities and strong study habits will act as a springboard to fluency, further study in college, and study abroad programs. A \$5 fee each semester is required for cultural activities.

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