WEST SEATTLE HIGH SCHOOL

Course Catalog
2019-2020
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REGISTRATION INFORMATION

Students pre-register in February (incoming 9th graders register in May) for the following year. Carefully read the course descriptions noting the important information about course prerequisites. Talk with your teachers, parents and counselor about which classes you should consider taking next year. Choose classes that support your career goals, enhance your interests or teach you a new skill.

Classes will be offered based on staff availability and the number of students who request courses. Signing up for a course is not a guarantee of enrollment.

IMPORTANT POLICIES

Yearlong Scheduling: West Seattle High School students register for the following year’s classes in the spring. Both semesters’ courses are selected at this time. Students will remain with the same teacher for the full year in yearlong courses. Students should choose courses carefully as schedule changes are extremely limited.

Grading System: Grades of A, B, C, and D indicate credit earned in a class. An E grade indicates course failure and results in no credit earned. If a student wishes to take a class for a Pass/No Pass grade, this must be requested by the fifth week of the semester and may be chosen for only one course per semester.

Honors and AP classes: Honors and AP courses are a full-year commitment. If students choose one or more of these courses, they are committing to the enrollment for the 2016-17 school year.

AP Classes: Taking the AP exam is an expectation when a student signs up for AP course. Currently (2015), the AP exam costs $100 per test or $20 for students on free and reduced lunch.

Schedule Changes (five day rule): Schedule changes must be completed before the end of the 5th school day of the first semester and before the end of the 5th school day of the second semester. Classes dropped after the 10th day of the semester but before the 5th week of the semester will result in a W on the student’s transcript. Students who are withdrawn from a class after the 5th week of the semester will earn an E on their transcript for that course unless the withdrawal is due to a move to another school. Parent/guardian signature is required to process a request for withdrawal.

Incompletes are rarely given and must be completed within six school weeks of the end of the grading period or the Incomplete will become an E grade.

Course Fees: We believe students should be able to take courses of their choice regardless of their ability to pay required course fees. Students should see their counselor if they need fee assistance.

TA (Teacher or Office Assistant): Only available to Juniors and Seniors (NO exceptions). Students may take only one TA position per semester. Such credits may not exceed a total of 2.0 credits. Teacher Assistant positions earn .25 credit Office Assistant positions earn .50 credit.

Athletic Eligibility: To participate on a school sports team, students must have earned a grade point of 2.0 or higher in five subjects during the previous semester of school. Continuing eligibility will require a student athlete to earn no less than a 2.0 grade point average in five subject areas (2.5 credits) as reported on their current report card.

NCAA Athletic Eligibility: Students interested in participating in college athletics after high school need to be aware that specific academic courses are required for eligibility. Please see the athletic director, your counselor or go to the following websites for more detailed information: www.ncaa.org or www.ncaaelegibilitycenter.org
West Seattle High School Graduation Requirements

<table>
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<tr>
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<th>Class of 2021 and beyond</th>
<th>Class of 2017-2020</th>
<th>4 year college recommendations</th>
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<tbody>
<tr>
<td>Language Arts</td>
<td>4.0 credits</td>
<td>4.0 credits</td>
<td>4.0 credits</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3.0 credits</td>
<td>3.0 credits</td>
<td>3.0+ credits</td>
</tr>
<tr>
<td>Science</td>
<td>3.0 credits</td>
<td>2.0 credits</td>
<td>3.0 credits (1 lab science)</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3.0 credits</td>
<td>3.0 credits</td>
<td>3.0 credits</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>2.0 credits</td>
<td>1.0 credits</td>
<td>1.0 credits</td>
</tr>
<tr>
<td>Health</td>
<td>.5 credits</td>
<td>.5 credits</td>
<td>.5 credit</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1.5 credits</td>
<td>1.5 credits</td>
<td>1.5 credits</td>
</tr>
<tr>
<td>Career/Technical Ed</td>
<td>1.0 credits</td>
<td>1.5 credits</td>
<td>1.5 credits</td>
</tr>
<tr>
<td>World Language*</td>
<td>2.0 credits</td>
<td></td>
<td>2.0+ credits**</td>
</tr>
<tr>
<td>Electives</td>
<td>4.5 credits****</td>
<td>4.5 credits***</td>
<td>1.5 credits***</td>
</tr>
<tr>
<td>Total Credits</td>
<td>24 credits</td>
<td>21 credits</td>
<td>21 credits</td>
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*Any Seattle school student can earn Competency Based Credit in any given language by completing a Proficiency Exam in Reading, Writing, Listening and Speaking. See your counselor for more information.

**Two years of middle school language study counts as one high school credit; however, it is advisable to take another 2-3 years of language study at the high school level (these should be two consecutive years of the same language).

***21 credits needed to graduate; 24 recommended

Additional Requirements

- 60 hours of community service learning
- Washington State History (usually completed in 8th grade)
- Four-year High School and Beyond Plan
- Pass state assessments in core content areas (ELA, Math, Science)

Students must continue to attempt the exams until they have passed in order to graduate and receive a diploma.
**LANGUAGE ARTS**

**Graduation Requirements:**
4.0 credits (8 semesters) of English Language Arts
LA 9, 10, 11, 12 required by WSHS

**LA9: INTRODUCTION TO LITERATURE AND COMPOSITION**
9th grade – yearlong: .5 credit per semester
Average homework: 20 minutes/night
Introduction to Literature and Composition is a year-long course that concentrates on guided and critical reading of texts from different genres that reflect themes of identity and self-discovery. The focus of composition is developing clear and purposeful writing. This course synthesizes critical reading and writing skills from previous years, focusing on texts that cross a wide range of genres and embody a high level of thematic and technical complexity and independence. In addition, students are expected to complete a culminating senior project. This project is a requirement for graduation and requires students to research a topic, create an arguable point, develop an action plan, and defend it to a board comprised of neighborhood constituents. These volunteers have offered continuous positive feedback on the professionalism of this project.

**LA9H: HONORS INTRODUCTION TO LITERATURE AND COMPOSITION**
9th grade – yearlong: .5 credit per semester
Average homework: minimum of 30 minutes/night
Introduction to Literature and Composition is a year-long course that concentrates on guided and critical reading of texts from different genres that reflect themes of identity and self-discovery where the focus of composition is developing clear and purposeful writing. Intellectual curiosity is a focus with an emphasis on critical thinking and depth of ideas.

**LA10: WORLD LITERATURE AND COMPOSITION**
10th grade – yearlong: .5 credit per semester
Average homework: 25 minutes/night
In this course, students read international texts. The course concentrates on critically reading how the human experience is expressed in literature from around the world and refining speaking and writing skills as students prepare for the state Smarter Balanced Exam.

**LA10H: HONORS WORLD LITERATURE AND COMPOSITION**
10th grade – yearlong: .5 credit per semester
Average homework: minimum of 30 minutes/night
Students read international texts and concentrate on critically reading how the human experience is expressed in literature from around the world. Intellectual curiosity is a focus with an emphasis on critical thinking and depth of ideas. While honing reading skills, students also develop writing proficiency by crafting increasingly clear and purposeful essays with an emphasis on refinement and style.

**LA11: AMERICAN LITERATURE AND COMPOSITION**
11th grade – yearlong: .5 credit per semester
Average homework: 30 minutes/night
This course concentrates on critically reading different interpretations of the American experience and the American dream, with an emphasis on increased sophistication through reading, writing and speaking.

**LA11AP: ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION**
11th grade – yearlong: .5 credit per semester
Prerequisites: Students are prepared to complete a summer reading assignment as well as take the AP test in the spring.
Average homework: minimum of 30-60 minutes/night
An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer’s purpose, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing.

**LANGUAGE ARTS 9M/10M/11M**
9th, 10th, 11th grade – yearlong: .5 credit per semester
Prerequisite: Individualized Education Plan
This course is designed to activate student thinking and learning in regard to the interactive process of reading and writing. Using the Hampton-Brown Edge text and supplemental materials, students will engage with Essential Questions throughout the school year to expand their critical thinking skills. Specific strategies will enhance: reading strategies, vocabulary, literary analysis, fluency and phonics, oral and written expression and grammar.

**LA12: COMPARATIVE LITERATURE AND COMPOSITION**
12th grade – yearlong: .5 credit per semester
Average homework: 30 minutes/night
This course synthesizes critical reading and writing skills from previous years, focusing on texts that cross a wide range of genres and embody a high level of thematic and technical complexity and independence. In addition, students are expected to complete a culminating senior project. This project is a requirement for graduation and requires students to research a topic, create an arguable point, develop an action plan, and defend it to a board comprised of neighborhood constituents. These volunteers have offered continuous positive feedback on the professionalism of this project.
LA12AP: ADVANCED PLACEMENT ENGLISH
LITERATURE AND COMPOSITION
12th grade – yearlong: .5 credit per semester
Prerequisites: Students are prepared to complete a summer reading assignment as well as take the AP test in the spring.
Average homework: 30-60 minutes/night
An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work’s structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Students also complete a senior project in this class.

LA 12M: COMPARATIVE LITERATURE AND COMPOSITION
12th grade – yearlong: .5 credit per semester
Prerequisite: Individualized Education Plan
This course meets the requirements for Language Arts 12 and the WSHS required senior project for graduation.
The course is specifically geared toward students with IEPs who qualify for services in reading and/or writing. Students will read a breadth of literature that mirrors what is read in the general curriculum. Students will research, write and present a senior project. The amount of writing in the senior project is dependent upon the ability level of each student. The greatest emphasis is placed upon the visual and project presentation.

MATHEMATICS
Graduation Requirements:
3 credits of Math through Algebra 2
Smarter Balance Assessment 2015+
See Table on following page for Math Sequence

ALGEBRA I:
Yearlong: .5 credit per semester
Prerequisites: None
Average homework: 30 minutes
The Algebra I math course teaches students to develop math skills and confidence, use tools (graphing calculators, geometer sketchpad, and Fathom 2), and mathematical power to make important decisions in real world situations. The course focuses on conceptual understanding of data gathering and analysis, linear equations to model real world situations, systems of equations, and quadratic and exponential equations.
West Seattle High School Math Pathway

Students will enter pathway at various levels

AP Calculus AB/BC
Calculus
Pass Pre-Calculus with a grade of C or better

Pre-Calculus Honors
Pre-Calculus
Pass Algebra II with a grade of C or better

Bridge to College Mathematics
Seniors who have not met 3rd year Mathematics requirement or have failed SBAC

Algebra II Honors
Algebra II
Pass Geometry

Financial Algebra
Pass Algebra and Geometry but not ready for/fail Algebra II

Geometry Honors
Geometry
Pass Algebra I

Algebra I
Begin High School math pathway
Tested class

AP Statistics
Pass Algebra II or Pre-Calculus with a grade of C or better
HONORS GEOMETRY (9th and 10th grade only)
Yearlong: .5 credit per semester
Prerequisites: Pass Algebra 1 with A or B and pass the Algebra 1 end of course examination.
Average homework: 30 minutes
The Geometry math course teaches students to identify and recognize shapes based on properties, establish relationships among properties within figures and within hierarchies of figures, use formal and informal inductive and deductive proofs to explain the truth of geometric theorems and to justify certain conclusions. The course focuses on space geometry in two and three dimensions, inductive and deductive reasoning, mathematical modeling, duplication of segments, angles and triangles, discovering and proving polygon properties, arcs and angles, compositions of transformations, triangle trigonometry and platonic solids. Students are held to a high standard of rigor, there is more emphasis on axiomatic proofs and topics are explored in greater depth.

ALGEBRA 2
Yearlong: .5 credit per semester
Prerequisites: Algebra 1 and Geometry. Students have to pass both Algebra 1 and Geometry end of course examinations.
Average homework: 30 minutes
Students learn to derive equations, to model advanced algebra concepts using data analysis, and to present solutions to math problems using multiple representations. The topics in this course include functions and relations, transformation, exponential and logarithmic functions, quadratic and polynomial functions, conic sections, rational functions, series, and basic trigonometry. Technology such as graphing calculators, Desmos and Geometer Sketch pad are utilized extensively throughout the course.

HONORS ALGEBRA 2
Yearlong: .5 credit per semester
Prerequisites: An A or B in both Algebra 1 and Geometry. Students have to pass both Algebra 1 and Geometry end of course examination, teacher recommendation.
Average homework: 40 minutes
Students learn to derive equations, to model advanced algebra concepts using data analysis, and to present solutions to math problems using multiple representations. The topics in this course include functions and relations, transformation, exponential and logarithmic functions, quadratic and polynomial functions, sequences and series, rational functions, and trigonometry. Students are held to a high standard of rigor, there is more emphasis on axiomatic proofs and topics are explored in greater depth with the use of advanced technology.

BRIDGE TO COLLEGE MATHEMATICS

Yearlong: .5 credit per semester
Prerequisites: Seniors who have not passed Algebra 2 or who have passed Algebra 2 but need additional math intervention prior to college.
Average homework: 30 minutes
Bridge to College Mathematics is an engaging course that emphasizes modeling with mathematics and the Standards for Mathematical Practice found within the Washington K-12 Mathematics Learning Standards which are known as the Common Core State Standards, CCSS-M. The course is designed to prepare students for entrance into non-calculus pathway introductory college-level mathematics courses by addressing Algebra I, statistics, geometry, and Algebra II standards essential for college— and career-readiness.

PRE-CALCULUS
Yearlong: .5 credit per semester
Prerequisites: Geometry, Algebra 2
Average homework: 45 minutes
Pre-calculus students use functions as a mathematical basis for the study of real-world phenomena such as determining the distance between two planets as the angle of the Sun varies, rates of exponential change in bacteria growth and average velocity calculations. Major topics are the in depth study and writing of rational, logarithmic, exponential, polynomial, and power functions. Students develop mathematical models of periodic functions and right triangle problems. Students explore trigonometric and circular functions that include all six trigonometric function properties including their identities, with the use of parametric functions. The properties of combined sinusoids, and three dimensional vectors are also addressed.

AP STATISTICS
Yearlong: .5 credit per semester
Prerequisites: Successful completion of Pre-Calculus or Algebra 2 (with teacher recommendation).
Average homework: 45 minutes
AP Statistics covers the recommended syllabus necessary to succeed on the AP Statistics Exam given in early May. This includes the following topics: Describing Data, Graphical displays, Regression (Linear and Non-Linear); Experimental design, Sampling Theory, Probability, Sample Spaces, Random Variables, Significance Tests for Means and Proportions, Chi-Square test for Homogeneity and Independence. The course is roughly equivalent to a two-quarter introductory course to Statistics in college.

CALCULUS
Yearlong: .5 credit per semester
Prerequisites: Successful completion of Pre-Calculus
Average homework: 60 minutes
Calculus will focus on four major ideas: Limits, derivatives, indefinite integrals, and definite integrals. In each of these areas, we will develop the conceptual
understanding of each concept, show how the mechanics go along with it, and apply it to solve real life applications. Students will investigate these major topics in four different representations: graphically, numerically, and analytically, and verbally. Students are expected to understand how these are related and to be able to move from one representation to another. Students are expected to be able to describe concepts and procedures and explain solutions to problems both orally and in written sentences. Conceptual understanding is highly stressed. This course will concentrate on topics that are covered on the AP Calculus BC exam, and will include all of the topics from AP Calculus AB in addition to an introduction to multivariable calculus, calculus in polar coordinates, integration by parts, and infinite series. A graphing calculator is required for this course.

AP CALCULUS A/B
Yearlong: .5 credit per semester
Prerequisites: Successful completion of Pre-Calculus with an A or B.
Average homework: 60 minutes
The Advanced Placement Calculus A/B course is a college-level introductory calculus course. Colleges will give credit for up to one semester of calculus for students who score 3, 4, or 5 on the AP Calculus test that is given in May. We focus on four major ideas: Limits, derivatives, indefinite integrals, and definite integrals. In each of these areas, we will develop the conceptual understanding of each concept, show the mechanics that go along with it, and apply it to solve real life applications. Students will investigate these major topics in four different representations: graphically, numerically, analytically, and verbally.

AP CALCULUS B/C
Yearlong: .5 credit per semester
Prerequisites: Successful completion of Pre-Calculus with an A or B.
Average homework: 60 minutes
The Advanced Placement Calculus B/C course is a college-level introductory calculus course. Colleges will give credit for up to one year of calculus for students who score 3, 4, or 5 on the AP Calculus test that is given in May. We focus on five major ideas: Limits, derivatives, indefinite integrals, definite integrals, and series. In each of these areas, we will develop the conceptual understanding of each concept, show the mechanics that go along with it, and apply it to solve real life applications. Students will investigate these major topics in four different representations: graphically, numerically, analytically, and verbally.

Students are expected to understand how these are related and be able to move from one representation to another as well as be able to describe concepts and procedures and explain solutions to problems both orally and in written sentences. Conceptual understanding is highly stressed. This course will concentrate on topics that are covered on the AP Calculus BC exam, and will include all of the topics from AP Calculus AB in addition to an introduction to multivariable calculus, calculus in polar coordinates, integration by parts, and infinite series. A graphing calculator is required for this course.

BASIC MATH 1M AND 2M
9th and 10th grade, yearlong: .5 credit per semester
Prerequisite: Individual Education Plan
Basic Math 1M and 2M will move from mastering basic mathematical skills (addition, subtraction, multiplication and division) to higher-order thinking in fundamental math concepts such as place value, the inter-relatedness of operations and data analysis. There will be a focus on math vocabulary fluency and on mathematical processes and patterns. The processes are practiced often with consumer math problems to connect with realistic life situations.

GENERAL MATH 1M AND 2M (PRE-ALGEBRA)
9th and 10th grade, yearlong: .5 credit per semester
Prerequisite: Individual Education Plan
This class provides practice, review, and application opportunities for student learning with units of pre-algebra as a foundation for algebra. Connections to the world, work, and technology make these learning experiences relevant to life. There will be ample opportunity for student learning through consistent practice, review, and application.

CONSUMER MATH 1M AND 2M
11th and 12th grade, yearlong: .5 credit per semester
Prerequisite: Individual Education Plan
The purpose of this course is to help each student develop a knowledge base of applied math skills and the confidence to manage lifelong finances with independence. In each learning unit, we will examine the mathematical problems that arise in daily, independent living. Through rigorous learning activities, varied approaches to learning, personal reflections, and frequent checks for understanding the students will develop a solid foundation in consumer mathematics.
SCIENCE

Science Graduation Requirements:
3.0 credits (3 years)

4.0 Credits are recommended for a 4-yr College
Taking a NGSS exam is also required (Junior year)

Note to students about Science prerequisites: Pre-reqs are designed to help you understand which classes you are probably ready for. Taking a class before you are ready for it is not a good thing. Pre-reqs are the minimum qualification that works for most students. If you have questions about pre-reqs or you think your case is an exception, feel free to talk with your science teacher.

FRESHMEN
Beginning in 2019-2020, all freshmen take PhysA/ChemA. They will then take Biology sophomore year.

SOPHOMORES, JUNIORS OR SENIORS

BIOLOGY
10th grade – yearlong .5 credit per semester
Prerequisite: None
Average homework load: 15-20 min/night
Biology is the study of life. Students will investigate the conditions, processes, and structures that produce and sustain life, and will examine the diversity of life and the interdependence of living things in the environment. In 2019-20, this class will only be offered to students who do not already have the Biology credit (such as transfer sophomores).

INTEGRATED SCIENCE
10th, 11th, 12th grade – yearlong .5 credit per semester
Prerequisite: For students who have not passed the Biology EOC or who desire greater preparation before taking an upper level course like chemistry and physics. DO NOT sign up for this class unless directed to by your Biology teacher or counselor.
Average homework: 20 min/night

MARINE SCIENCE
10th, 11th, 12th grade – yearlong .5 credit per semester
Prerequisites: Biology (required C or better)
Average homework load: 20 min/night (30 for UW)
The first semester covers the physical nature of oceans including: geology, physical and chemical properties of water, relationship of ocean climate, and environmental impacts on Puget Sound. The 2nd semester focuses strongly on marine organisms of Puget Sound and students conduct fieldwork in conjunction with The Seattle Aquarium. Earning UW Credits requires a tuition payment (TBA).

AP ENVIRONMENTAL SCIENCE
11th, 12th grade – yearlong .5 credit per semester
Prerequisites: successful completion of biology and chemistry (Honors, or B or better recommended)
Average HW Load: 20 min/night
The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. (Please see the College Board Website for additional information)

CHEMISTRY 1/2
Grade Level: 10th, 11th, or 12th
Length: yearlong (0.5 credit per semester)
Is this class a Graduation Requirement? No.
But it is encouraged for students going to 4-year universities.
Prerequisites: Biology (C or better; A or B recommended), and Algebra I
Average homework: 60 min/week

Students will learn to see how events at the atomic scale define the world as we experience it. Students will conduct lab experiments designed to illustrate the connection between everyday life and chemical theory. This class is college-prep; students are expected to be serious about devoting out-class time to studying.

HONORS CHEMISTRY 1/2
Grade Level: 10th, 11th, or 12th
Length: yearlong (0.5 credit per semester)
Is this class a Graduation Requirement? No.
But is encouraged for students applying to 4-year universities for a STEM major.
Prerequisites: Biology (recommended B or better in Honors, A in regular), and recommended concurrent with Algebra 2
Average homework: 90 min/week

This course is recommended for students who are very strong in math and science, who can function independently in a lecture-and-textbook based course, and are inclined towards college majors in science, technology, engineering, math or medicine.
(HONORS) CHEMISTRY 3/4
Grade Level: 11th, or 12th
Length: yearlong (0.5 credit per semester)
Is this class a Graduation Requirement? No.
Prerequisites: Chem 1/2 (recommended B or better in Honors, or A in regular)
Average homework: 40 min/week

This is a second-year chemistry course. It will expand on the topics of first-year Honors Chemistry, providing more depth, and placing an emphasis on labs (one quarter of class time will be spent on lab work). Also, new topics such as nuclear chem, organic chem and bio chem will be introduced. This class will aim at preparing students to take the Chemistry SAT exam (which is optional, but encouraged, as a good score is a nice addition to a college resume).

As with first-year honors chemistry, this course is only recommended for students who are very strong in math and science, who can function independently as students, and are inclined towards college majors in science, medicine, or engineering. Students may opt out of the honors designation but still take the class, with a slightly relaxed grading system that places less emphasis on report-writing and certain mathematical problem types.

The HW load is kept moderate to allow students to also take additional science courses (including AP courses) if desired.

AP BIOLOGY
11th, 12th grade – yearlong: .5 credit per semester
Prerequisites: Biology (B or better recommended) and Chemistry (Honors, B or better recommended).
Average homework load: 40 min/night
AP Biology is designed to be the equivalent of a college Biology introductory course. This course is offered to highly motivated students who wish to pursue their interests in the biological sciences. Topics covered by this course include, Anatomy & Physiology, Biochemistry, Biodiversity, Botany, The Cell, Developmental Biology, Ecology, Genetics, Molecular Biology, Origin of Life, Population Biology, and Evolution. (Please see the College Board Website for additional information)

PHYSICS A/B
11th, 12th grade – yearlong: .5 credit per semester
Prerequisite: Algebra 1 and Geometry
Average HW Load: 20 min/night
“AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory electrical forces and circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills surrounding the big ideas in physics. Students are expected to take the AP exam in May. The course culminates with a project-based engineering experience.”

AP PHYSICS 1 A/B
11th, 12th grade – yearlong: .5 credit per semester
Prerequisite: Algebra 2 (Honors Chemistry recommended)
Concurrent with Pre-Calc or higher
Average HW Load: 35 min/night
This is a mathematics-based, college-level course intended for strong science students. This course is modeled after first-year college physics coursework. (Please see the College Board Website for additional information)

SEMESTER-LONG COURSES:
ASTRONOMY
10th, 11th, 12th grade – one semester: .5 credit
Prerequisite: Algebra 1
Average homework load: 10-20 min/night
This is a survey course. Students should be familiar with Algebra 1 level math skills and be prepared to deal with unimaginably large numbers. Topics will include astronomical measurements & time keeping, the historical development of science, and the laws of planetary motion. We will then investigate our solar system, the lifecycle of stars, galaxies, modern cosmology and life in the universe.

FORENSIC SCIENCE
11th, 12th grade – one semester: .5 credit
Prerequisite: Biology.
Average homework load: 15-20 min/night
This is an interdisciplinary study involving aspects of chemistry, physics, biology, earth science and technology as well as social studies, communications and mathematics. This course will focus on process: proper scientific methodologies and laboratory practices, analysis and reporting of data and promotion of critical thinking skills. This inquiry based class stresses teamwork. Students will explore the science behind crime scene evidence such as fingerprints, blood, soil, hair, fibers and DNA. You’ll practice the laboratory techniques of chromatography, genetic analysis and microscopy, then present and defend your data.

MATERIALS SCIENCE
11th, 12th grade – year-long (0.5 credit Science AND 0.5 credit CTE)
Prerequisite: Physical Science or Chemistry and Algebra 1
Average homework load: 15-20 min/night
This is an interdisciplinary study involving aspects of chemistry, physics, and technology as well as social studies, communications and mathematics. This course
is team taught by misters Savino and Ursino (so students must enroll in both courses). Materials Science Engineering (MSE) is the science of making new types of materials. We often think about cool new inventions in our lives, but we rarely think about the properties of the materials that allow those inventions to be created.

While with Mr. Savino, students will learn about the practical applications of materials and various production techniques. Mr. Ursino’s class will teach the theory and chemistry that underlies it all, as well as testing and reporting methods. Students will perform numerous lab activities.

**SOCIAL STUDIES**

Graduation Requirements:
3 credits (6 semesters)
World History I, II, III
US History 11A and 11B
American Government 12A
(Completion of Washington State History or equivalent)

Foundations of Social Studies
9th grade First Semester: 0.5 credit per semester
Prerequisites: None
Homework: up to 30 minutes per nightly
Foundations of Social Studies is the first semester 9th grade class in Social Studies. Through the study of current events, students will develop foundational skills needed not only in their social studies courses, but other classes at WSHS as well. Students will: engage in informational reading and writing with primary and secondary documents; develop academic skills in many areas including geography, demographics, graphing, and quantitative skills; improve discussion and presentation skills; develop research skills, especially as related to the use of libraries, search engines, Works Cited pages, and citation. They will also learn necessary technological skills and platforms, like how to use their WSHS logins, turnitin.com, Microsoft Teams, the Source, Google Drive, Newsela, and Quizlet.

**WORLD HISTORY I**
9th grade Second Semester: .5 credit per semester
Prerequisites: None
Average homework: up to 30 minutes nightly
World History I explores the development and evolution of civilizations from about 600 C.E. to 1200 C.E. Students examine and analyze economic, political, and social themes and investigate how patterns of interaction impacted the growth as well as the evolution of the world. The class is aligned to Common Core Reading and Writing standards, which ensures that students develop a strong foundation in reading informative texts as well as in writing expository and persuasive essays. Students will write at least two research papers and will be introduced to a more rigorous homework load with coaching on how to meet the intellectual and professional demands of high school.

In World History I, students will have the option to earn honors credit through expanded breadth and depth opportunities. These will require higher-order thinking, more advanced skill sets, a wider knowledge base, and a higher level of executive functioning. For example, students will be analyzing more challenging primary source documents and historical criticisms and writing in-depth analytical essays. At the end of the semester, if they have met standard on those honors opportunities, they can earn an honors credit.

**WORLD HISTORY II & III**
10th grade – two semesters: .5 credit per semester
Prerequisites: None
Average homework: up to 30 minutes nightly
World History II and III continues the content of World History I. It involves the study of the 13th to the 21st centuries. Students continue their investigation of civilizations and the evolution of empires due to global interaction. Study includes but is not limited to the causes and consequences of military conflicts, emergence of nationalistic ideologies and dissolution of empires, causes and consequences of genocidal movements, and the role of human rights in defining oppression, injustice, as well as the defense of those rights. The class is aligned to Common Core Reading and Writing standards and ensures that students continue to develop a strong foundation in reading informative texts as well as in writing expository and persuasive essays. Students will write at least one research paper and read at least one novel. In World History I, II, and III, and all other history classes, students complete Classroom-Based Assessments (CBA’s) where they make consistent and ongoing connections between events of historical important and contemporary world issues.

**AP WORLD HISTORY** (fulfills WH II & III requirement)
10th grade: yearlong: .5 credit per semester
Prerequisite: AP World History is intended to match the intensity of an introductory college history class. All of the readings are at the college level and the class moves very quickly. We strongly recommend that any student hoping to
pursue AP World should have earned an A or B in Freshman Honors World History.
Average homework: 50 pages of reading per week and 20-30 minutes of homework per night on average. AP students are expected to take the AP test in the spring.

The purpose of AP World History is to develop a greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. The course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. Periodization, explicitly discussed, forms the organizing principle for dealing with change and continuity from that point to the present. Specific themes provide further organization to the course, along with the consistent attention to contacts among societies that form the core of world history as a field of study. At the end of the course, students are expected to take the National Advanced Placement Examination.

U.S. HISTORY 11th grade – yearlong: .5 credit per semester
Prerequisites: None
Average homework: up to 30 minutes nightly
United States History is a two-semester survey of American History that begins with a study of the U.S. Constitution and concludes with the examination of Post-World War II America. This course is taught from a multicultural point of view giving the student an understanding of the impact of the many cultures, events, and persons that make up the history of the United States. The course integrates art, music, literature, history, geography, and economics. In addition, this course requires solid reading and writing skills, along with a willingness to devote considerable time to homework and study that are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpreting primary source documents, and historiography.

ADVANCED PLACEMENT U.S. HISTORY
11th grade – yearlong: .5 credit per semester
Prerequisite: AP US History is intended to match the intensity of an introductory college US History class. All of the readings are at the college level and the class moves very quickly. We strongly recommend that any student hoping to pursue AP US History should have earned an A or B in AP World History.

Average homework: APUS will require about 50 pages of reading per week and 20-30 minutes of homework per night on average.
AP United States History is a challenging course that is meant to be the equivalent of a freshman college course and can earn students college credit. It is a two-semester survey of American History from the age of exploration and discovery to the present. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpreting original documents, and historiography. Students are expected to complete a summer book assignment prior to entering the course as well as take the AP exam in May.

AMERICAN GOVERNMENT
12th grade – one semester: .5 credit
Prerequisites: None.
Average homework: Up to 30 minutes nightly
The class emphasizes critical thinking skills and analytical understanding of the terms and framework of American government. Reading is assigned in short blocks to be completed by the motivated, responsible student. Individual and group projects will allow students to apply key concepts to real world situations. Discussions will cover broad topics and compliment the assigned reading. The major goal of this course is to instill a deep understanding of American government that will allow students to become informed and educated citizens who participate in the political process in some manner.

ADVANCED PLACEMENT U.S. GOVERNMENT & POLITICS
12th grade – yearlong: .5 credit per semester
Prerequisite: AP Government is intended to match the intensity of an introductory college Government class. All of the readings are at the college level and the class moves very quickly. We strongly recommend that any student hoping to pursue AP Government should have earned an A or B in AP US History.
Average homework: AP Government will require about 50 pages of reading per week and 20-30 minutes of homework per night on average. AP students are expected to take the AP test in the spring.

United States Government and Politics gives students an analytical perspective on government and politics in the United States. This course includes the study of general concepts used to interpret U.S. government and politics along with the analysis of specific examples. Students successfully completing this course will: know important facts, concepts, and theories pertaining to U.S. government and politics; understand typical patterns of political processes and behavior and their consequences; be able to analyze
and interpret basic data relevant to U.S. government and politics; be able to critically analyze relevant theories and concepts, apply them appropriately. This course requires considerable reading and homework outside of class to be successful. *Summer reading prior to the course is mandatory as is taking the AP test in May.*

**ECOMONICS**

11-12th grade elective – one semester: .5 credit
Prerequisites: None.
Average homework: up to 30 minutes nightly

The purpose of economics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students’ familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. The course will also expose students to the use of spreadsheets as a tool for mathematical analysis. Finally, students will end the semester creating an individual budget intended for their personal use through college and beyond.

**WORLD LANGUAGES**

World Language Graduation Requirements:
2.0 credits (2 years) for Class Of 2021, 2022, 2023
Class of 2020 does not need a World Language to graduate high school or for Community College; however four-year colleges ask students to have 2-3 years of World Language

**SPANISH 1, 2, 3, 4**

**FRENCH 1, 2, 3 UW in the High School French 103, 4/AP**

**CHINESE 1, 2, 3, 4/AP**

Prerequisites: Students should have a 60% or higher grade in previous course (except level 1) or native speaker status. Students who have been most successful in any level have had an 80-85% or higher in previous world language level. Homework: 20-30 minutes/night of study/practice/homework.

- Level 1 focuses on written and oral communication in the present tense. The first year covers greetings and simple conversations, the use of correct grammar, spelling, punctuation and syntax in basic writing assignments, and simple reading of forms, maps, advertisements and letters. Basic cultural information is also part of the course.

- Level 2 adds the past tense to the skills mastered in level one, with additional vocabulary and more details of grammar and syntax in spoken language, reading and written work. There is a continued focus on cultural information.

*Past Freshmen enrolled in Spanish II, French II, or Chinese II have found that succeeding in second year High School foreign language presents a high-level challenge. Incoming Freshmen and Transfer Students who enroll in any of these courses will be expected to independently review and master first-year material before the beginning of the school year and periodically throughout the course.*

- Level 3 adds a wide variety of complex verb conjugations and advanced grammar. Students continue to develop skills in written and spoken language. Advanced reading, including poetry, historical information and current events in the target language are part of this course.

*French students are eligible to enroll in the University of Washington in the High School program and can earn 5 hours of university credit for French 103 if their final grade at the end of the course is 73% or higher. This is a university level course and requires advanced language skills in addition to maturity, organization and student responsibility for workload/studying. As a dual-enrollment course, it also offers a weighted grade at WSHS.*

- Level 4 is a challenging hands-on opportunity to engage in a variety of culturally relevant historical and social topics and projects that allow students to use all grammatical structures and vocabulary while focusing on speaking, listening, reading and writing. In Chinese and French, the AP Curriculum will be used. This is technically a level 5 course, but it is offered in level 4. Students should be prepared to be independent learners, complete homework on time, and be willing to engage with other members in the class only in French on an advanced level.

**PHYSICAL EDUCATION**

Graduation Requirements:
1.5 credits (3 semesters), Students must take a Competency Based Assessment
PERSONAL FITNESS
9th grade – one semester: .5 credit
Prerequisites: None
This is the introductory Physical Education class for 9th grade students required by the Seattle School District. Students will have general PE team sports units ranging from Ultimate Frisbee to Volleyball, and fitness testing. Students will also study the following topics that reflect the Five for Life Health and Fitness Concepts: Introduction to Fitness, and Fitness Planning, the importance of muscular strength and muscular endurance, the importance of cardio respiratory endurance to healthy living, how body composition impacts life, and the importance of flexibility in maintaining a healthy life. The course culminates with a State of Washington Classroom Based Assessment Test, based on the Five for Life Health and Fitness Concepts.

LIFETIME SPORTS
All grades – one semester: .5 credit
Prerequisites: None
What does a student need to know to be a physically active and healthy adult? This is the essential question students will be answering through a lifetime sports lens. Students will concentrate on the rules of lifetime sports and will participate in leisure activities including golf, archery, disc sports, orienteering, yoga/pilates, bowling and more. Students will examine how these lifetime activities can positively impact their fitness levels. Daily physical conditioning (stretching, conditioning, running) will be emphasized as an integral basic of each unit. Students will participate in measuring their fitness levels and working towards standard on the physical fitness test.

TEAM SPORTS
All grades – one semester: .5 credit
Prerequisites: None
What does a student need to know to be a physically active and healthy adult? This is the essential question students will be answering through a team sports lens. Students will learn about and participate in over 16 different alternative, global and traditional team sports such as volleyball, bucca ball, ultimate Frisbee, badminton, flag football and more. Daily physical conditioning (stretching, conditioning, running) will be emphasized as an integral basic of each unit. Students will participate in measuring their fitness levels and working toward standards on the physical fitness test.

WEIGHT TRAINING AND CONDITIONING
All grades – one semester: .5 credit
Prerequisites: None
Students will participate in the following activities: weight training, walks and runs, speed and agility, core training, and stretching. Students will be exposed to fitness routines/plans that will incorporate different muscle groups using a variety of training techniques and equipment. Proper safety in lifting and stretching will be taught. Students will be given an overview of anatomy and sports nutrition as well.

ADAPTED PE PARTNER
All grades – one semester: .5 credit
Prerequisites: None
Adapted PE Partners are responsible for assisting, encouraging, and motivating students during the Adapted Physical Education lesson. They are responsible for keeping a close eye on the student(s) teaching appropriate form and technique during skills to ensure safety and increase time on task and active learning. Adapted PE Partners learn how to use levels of prompting such as verbal, physical, and environmental prompts to assist in the skill learning process.

ADAPTED PE-M
Credit: PE -.5
Prerequisite: Individualized Education Plan
Adapted Physical Education is a curriculum with a wide variety of experiences in Physical Education that challenges the students, builds upon their current skills and imparts additional skills necessary to remain healthy and active throughout life. This course will provide a variety of activities ranging from individual skills, team skills, personal fitness and cooperative activities.

FINE ARTS
Graduation Requirements:
2.0 credits (4 semesters)

Art:
DRAWING & PAINTING I BEGINNING
All grades – one semester: .5 credit
Prerequisites: None
Students will learn the basics of 2-D design for visual art, and will be challenged to create artwork which is both technically strong and has expressive meaning for them personally. Students will be introduced to the elements and principles of art, to a wide variety of art materials and processes, and to the process involved in creating original art with meaning. Students are required to interview professional artists, and visit art galleries to broaden their experience. Students will participate in one judged art show and will create a digital portfolio of their artwork.

Modified Drawing & Painting
All Grades-one semester: .5 credit
Prerequisite: None
Modified Art Students with IEPs who are seeking credits towards their high school diploma receive instruction from “highly qualified” art teachers. Modified Art students are supported either by an additional Special Education teacher or Para-Educator, and/or by a General Education art teacher and possibly an instructional assistant who will ensure required accommodations and modifications will be made in accordance to the students IEP. The requirements for the Art M credit are decided on between the Art Teacher, and the IEP teacher.

**Drawing & Painting II Advanced**
All grades – one semester: .5 credit
Prerequisites: Drawing and Painting I Beginning
Students will be encouraged to design their own projects and polish and broaden the portfolio they created in Drawing/Painting I. Students will be challenged to create a series of artwork and to enter competitions or arrange for exhibitions of their work outside school. Students are required to interview professional artists, and visit art galleries to broaden their experience. Students will participate in one judged art show and will create a digital portfolio of their artwork.

**AP Studio Art**
Year long course - 1.0 credit
Prerequisites: Beginning Drawing and Painting
Homework: 4-5 hours per week
AP Studio is an intense college level studio art course where students will continue their exploration into various techniques and media. Students will further develop their personal voice in the visual arts as they work in drawing, painting, printmaking, or mixed media. Student work is developed for the purpose of a portfolio that will be submitted to the AP College Board for review and scoring. This course is necessary but not limited to students looking to apply to art colleges after high-school.

**Ceramics Beginning**
All grades – one semester: .5 credit
Prerequisites: None
Homework: Occasionally, ½ hour per month
Students will learn basic hand building, wheel throwing, and glazing techniques. Students will complete the course with a power point portfolio including 8 finished pieces. Students are introduced to ceramic artists and processes through slide presentations and are also required to write a paper on a ceramic artist of their choice. Students create projects which include a Raku fired pot, portrait project, cultural sgraffito pot, and an animal. This is an engaging course with new experiences to help students find a passion for the ceramic arts.

**Ceramics Advanced**
All grades – one semester: .5 credit
Prerequisites: Ceramics Beginning
Homework: Occasionally, ½ hour per month
Advanced students will work on building on skills and techniques they learned in beginning ceramics. Students will learn to write proposals for independent projects as well as write a personal artist statement and experiment with glazing techniques. Students will have many opportunities to build skills in wheel throwing, Raku, sgraffito, and combining hand building techniques. Advanced students will also work on sculptures and functional pottery on a larger scale.

**Graphic Design (qualifies as Fine Arts or CTE)**
All grades – one semester: .5 credit
Prerequisites: None
Graphic Design is the art of visual communication through two-dimensional works using images and text. Students interested in the design fields such as book design/ publishing, advertising, presentation design, packaging design, magazine layout, corporate design, should enroll in this course. Students will apply their knowledge of the elements of art and principles of design to strengthen their visual literacy. We will explore a range of design techniques using Adobe Photoshop, Illustrator and, In-Design software programs and study the design work of contemporary and historical designers. Possible projects include symbol/logo development, poster design, CD covers, magazine covers, book arts and tee-shirts. Students will maintain a digital portfolio of their work as a midterm and final exam. Students will be expected to use a digital camera to create original imagery to be used in their design work.

**Drama:**

**Drama Beginning**
All grades – one semester: .5 credit
Prerequisites: None
Students will survey different theatrical skills. The focus is on developmental or creative drama rather than on published works. Through games, exercises and assignments, students will explore speech, improvisation, directing, play writing and team work. The willingness to perform in front of an audience is essential.

**Drama Advanced**
All grades – one semester: .5 credit
Prerequisite: Drama Beginning
Advanced Drama continues to develop skills developed in Drama I. As a member of a product based class and a professional theater students will be performing monologues, new works, pre-published scenes. Students must be willing to perform in front of an audience.

**Music:**

**CONCERT BAND:**
All grades - yearlong: .5 credit per semester
Prerequisites: Basic proficiency on band instrument or teacher permission

Concert Band is a year-long performing ensemble with traditional woodwind, brass and percussion instrumentation. Students enrolled in Concert Band will be expected to participate in all Concert Band and athletic band activities. Students will perform literature from all time periods while learning the appropriate technique, tone, articulation, phrasing and style. Students will learn major/minor scales, chord progressions, intervals, and ensemble etiquette. In addition, students will increase their adeptness in sight-reading and their ability to perform as part of an ensemble. Concert Band may be repeated for credit.

**SYMPHONIC BAND:**
All grades - yearlong: .5 credit per semester
Prerequisites: Audition and/or teacher approval

The Symphonic Band is a year-long performing ensemble with traditional woodwind, brass and percussion instrumentation. Students enrolled in Symphonic Band will be expected to participate in all Symphonic Band activities during or outside the normal school day, including participation in athletic band. Students will take the skills and concepts learned in Concert Band and apply them to more difficult music literature. Awareness of their instrument’s role and attention to fine detail within the ensemble will be taught. Students entering their 3rd year will be eligible for Occ Ed credit. Prerequisite: Minimum of 1-year participation in Concert band, Audition and/or teacher approval. Symphonic Band may be repeated for credit.

**PERCUSSION ENSEMBLE:**
All grades - yearlong: .5 credit per semester
Prerequisites: Audition and/or teacher approval

Percussion Ensemble is focused on all aspects of percussion technique and playing. Students will learn various skills and techniques in concert percussion (mallets, timpani, snare, bass drum, etc.) as well as participate as members of the West Seattle High School drumline. Students in this class will combine with the Concert Band and Symphonic Band for concerts and athletic band as well as participate in percussion only competitions throughout the region. Students are expected to enter this class with a basic understanding of percussion technique. Prerequisite: Audition and/or teacher approval.

**CHORUS:**
All grades -- one semester/yearlong: .5 credit per semester
Prerequisites: None

Chorus is a large performing group for all voice parts (soprano, alto, tenor, and bass). Students sing and perform quality literature from a variety of genres, cultures, styles, and languages. Students will work together in building basic musicianship skills through sight reading, music theory, ear training, and vocal technique. Having experience reading music is not required, though it would be very helpful. Students will be expected to perform at several concerts throughout the school year.

**ORCHESTRA**
All grades -- yearlong: .5 credit per semester
Prerequisites: Basic proficiency on string instrument or teacher permission

The West Seattle Orchestra is a dynamic ensemble that performs at a variety of concerts and events throughout the school year. Students gain a solid foundation in string technique, music theory and history as we explore a wide variety of classical and contemporary literature. Participation in occasional rehearsals and performances outside of class time is mandatory for all students. This course can be taken for more than one semester for additional credit. Select students from this class will be invited to participate in the WSHS Musical second semester.

**BEGINNING/INTERMEDIATE GUITAR**
All grades -- one semester: .5 credit per semester
Prerequisites: None

Students taking this class will gain a basic understanding of guitar technique and music theory through group activities, individual instruction from the teacher, practice time, class discussions and weekly recitals. Students will learn to read and write music and guitar tab in addition to gaining the basic understanding of the construction of music.

**PIANO**
All grades -- one semester/yearlong: .5 credit per semester
Prerequisites: None
Students will gain a basic understanding of piano technique and music theory through group activities, individual instruction from the teacher, individual practice time, class discussions and weekly recitals. Students will learn to read and write music in addition to gaining the basic concepts of music theory. This class is open to beginning and intermediate level piano students.

Jazz Ensemble I and II:
All grades - yearlong: .5 credit per semester
Prerequisites: Teacher permission
0 Period Only!

Students learn and perform music from a wide variety of traditional and contemporary jazz literature. Focus of this ensemble is interpretation, articulation, improvisation and style. This ensemble performs at a variety of local and regional events. Participation in occasional rehearsals and performances outside of class time is mandatory for all students. This class is open to all students with at least basic proficiency playing saxophone, trombone, trumpet, piano, bass, guitar, and drums. Please note that this class is a zero period course and meets before school every day. This course can be repeated for additional credit.

Career and Technical Education

Graduation Requirements:
1.0 credits (2 semesters)

Annual/Yearbook
9th – 12th grade—yearlong:.5 credit each semester
Prerequisites: None

Would you like to be involved in creating a lasting legacy for your school? Do you love taking pictures and using your creative skills? If so, Yearbook Journalism is the class for you. Students in this class will work to produce a high-quality yearbook. Students will learn the skills required to write journalistic-quality copy, including interviews; take and edit high-quality photographs; and design print publications using current computer editing programs. Contact Ms. McKinney if you have questions.

Computer Design and Engineering:

CAD Design and Engineering I:
All grades – one semester .5 credit each semester
Prerequisites: None
Students will begin by learning how to identify and create scale drawings in plan, elevation and isometric perspective views. We will then utilize these drawings to build an accurate 3D model. Finally, this 3D model will be constructed utilizing fabrication methods and technology common to industrial manufacturing. Software utilized will include Rhinoceros 3D, Surf Cam and Google Sketchup. Manufacturing tech will include CNC routers, Laser Cutter/Engravers, and Rapid Prototyping 3D printers.

CAD Design and Engineering II
All grades – one semester:.5 credit
Prerequisites: CAD I
CAD 2 will further develop students’ 3D modeling and modern manufacturing skills. Project possibilities include, but are not limited to Product Design, Architecture, and Transportation Design. Further emphasis will be placed on professional practice,
CSE 120/ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES
10, 11, 12–yearlong–.5 credit per semester  
Prerequisite: successful completion of Algebra II and complete summer coursework if assigned.
AP Computer Science Principles provides a broad view of the current state of Computer Science with the objective of giving students the understanding of the technology through hands on experimentation and exploration rather than lectures. It is expected that current students will face a world where they will work in jobs that don’t exist today. Understanding what is happening in technology is an essential skill to navigating that world. The course introduces students to a survey of computing topics and provides a comprehension of fundamental programming, the wide variety of applications of programming and programming’s transformative potential for our global society. The course is the equivalent of a college introductory computer science course and can be offered for UWHS credit for CSE 120. This is an introductory CS course at the college level and requires no previous programming experience. 

CSE 142/ADVANCED PLACEMENT COMPUTER SCIENCE A
10, 11, 12–yearlong–.5 credit per semester  
Prerequisite: successful completion of Algebra II  
Programming skills are some of the most desirable skills to have when you are looking for a future career. This class is for those students who are interested in an in-depth course in computer programming. Students will learn to program in the Java language (the most widely used language), with emphasis on problem solving, algorithms, programming style, and programming design. The curriculum is based on the CSE142 course for students intending to major in Computer Science at the University of Washington – a top 10 Computer Science program. Students have the option of getting UW credits for the course. Students should plan on spending up to several hours a week outside of class to succeed in this course.

COMPUTER SCIENCE PROJECTS I & II
11, 12–one semester each–.5 credit per semester  
Prerequisite: successful completion of AP CSA or AP CSP, instructor approval, self-direction and an ambition to participate in application development as a programmer, product manager, or other role.
CS Senior Project encourages students who are successful in either of the AP classes in CS (CSA or CSP) an opportunity to apply what they have learned to projects that they choose. It allows then to dramatically deepen the understanding that they have of Computer Science. They will learn about the product development process, project management, customer focus, and the process of productizing a product. Students taking this course will be expected to be self-directed and ambitious.

ROBOTICS I & II
10, 11, 12–one semester each–.5 credit per semester  
Robotics provides a broader approach to engineering than strictly Computer Science and it is also great fun to make things work in the physical world. In this class, you will work in teams to design, build, and program a small robot. You will learn some electronics, some mechanical engineering, some design, and some programming. The major units of the course culminate with some sort of friendly competition – line following for speed, maze solving for speed, and sumo robot competition. These robots will function independently without remote control. It is helpful, but not required, to complete one of the Computer Science courses prior to signing up for robotics.

Digital Photography

DIGITAL PHOTOGRAPHY BEGINNING
All grades – one semester: .5 credit  
Prerequisites: None
Students in Photography class will work on three large photography projects (Portraits, Landscapes, and Still Life/Close Ups) and compete in at least one judged photography show at WSHS. Students will learn the basic functions of working with a digital camera and Photoshop editing software to improve their photographs.

**DIGITAL PHOTOGRAPHY ADVANCED**

*All grades – one semester: .5 credit*

**Prerequisites:** Digital Photograph Beginning

Advanced Digital Photography class will work on Studio Lighting techniques for Portrait photography, Night photography, Magazine Covers, and Reflective Surfaces. Advanced students will compete in at least one judged photography show at WSHS and second semester students are encouraged to enter the Washington State High School Photography competition.

**Family & Consumer Science**

**CULINARY**

**BAKING AND PASTRY/INTRODUCTION TO CULINARY ARTS**

*All grades— one semester: .5 credit*

**Prerequisites:** None

**Homework:** 1 hour per week

Want to impress your friends and plate with creative and fun desserts? Do you love the smell of fresh bread baking? This is a semester introduction to culinary arts that focuses on basic baking and pastry skills. Learn to create and plate gourmet desserts, pastries, breads, and quick breads. Experiment with chocolate and other desserts while building basic math skills like measuring using scales and the metric system. Learn basic safety and sanitation skills while in the kitchen as well as develop food service and marketing skills. You will also be able to explore food photography and journalism through this class as well as participate in community and school catering events. You must take this course or nutrition to enroll in the advanced culinary classes (ProStart).

**NUTRITION AND WELLNESS**

*All grades— one semester: .5 credit*

**Prerequisites:** None

**Homework:** 1 hour or less per week

Do you want to learn to cook a healthy meal? Did you know that six of the ten leading causes of death are related to diet? With so much nutrition information looming around today, how will you know what is really good for you? This course explores the fundamentals of wellness through studying nutrition and learning to cook. You will put your knowledge into action by preparing healthy meals in the kitchen labs while also learning basic kitchen safety and cooking skills! Some of the topics explored in this course are dieting, weight management, genetically modified foods, disease prevention, learning about calories and food labels—and of course, preparing delicious healthy meals. This class also explores the scientific method and allows students to practice basic math skills in understanding the caloric value of food. Students will also study wellness from a holistic perspective including stress management techniques, meditation, social health, spiritual/emotional/mental health, intellectual and vocational health, goal-setting, and leadership skills.

**CULINARY ARTS (PROSTART)**

*10, 11, 12—yearlong: 1.0 credit*

**Prerequisites:** Must have successfully completed .5 credits of Baking or Pastry or Nutrition and Wellness

**Homework:** 1 hour per week

Do you love food and cooking? Perhaps you want to learn how to cook—or want to own your own restaurant someday? This course introduces you to the world of professional culinary arts, safety and sanitation, food preparation, meal planning, catering, customer service skills, and many more opportunities to explore this fast-growing industry. Focus on professional knife skills, stocks, sauces, and soups, basic baking, proper sautéing, creative cooking, pasta, gourmet meal production, and many more topics! Students will participate in field trips, competitions, meeting industry professionals, and a variety of cooking opportunities including competitions and the basic foundations of making a delicious meal! If you dream of working in or owning a restaurant someday—you will want to be in this course! A crisp white chef coat is waiting for you… By obtaining at least a B in this class, you can receive 15 college credits to South Seattle’s Culinary Program.

**FAMILY HEALTH**

**Graduation Requirement:**

*9th grade— one semester: .5 credit*

**Prerequisites:** none

A person’s health is influenced by many factors including but not limited to their peers, family, neighborhood, social policy, and laws. In Family Health, students explore multiple dimensions of health and analyze ways to eliminate the barriers to good health for themselves and their family. Students study issues related to healthy relationships, stress, mental health, fitness, the environment, nutrition, aging, and related careers. Students also have opportunities to serve the community, compete and work on leadership skills through FCCLA.
Family Relationships/Parenting
10th–12th grade— one semester: .5 credit
Prerequisites: None
Homework: Less than one hour per week
In this class, students explore relationships and their impact on physical, social, emotional, and mental health. Students do a deep dive into the family life cycle and explore the science behind relationship development and maintenance across the life-span from mate-selection to marriage and beyond. The course focuses on the interrelationships of healthy relationship choices and a productive satisfying life. Students explore careers in health and human service fields, apply 21st Century Skills, and utilize National FCCLA (Family, Career, & Community Leaders of America) student leadership activities to assess learning. The course is a cross-credit with Health and satisfies the graduation requirement.

Independent Living
11th, 12th grade— one semester: .5 credit
Prerequisites: None
Homework: Less than one hour per week
Do you know what you are going to do with your life? Have you wondered how you are going to get a job after school? Come join this course that allows you to explore the tools to live on your own and be successful in “the real world. Learn how to make money from your own money through saving, investing, and entrepreneurship. Explore many other personal finance topics like credit, taxes, stock market, budgeting, and banking. Also included in this course are: housing and interior design issues, clothing care, financial literacy, insurance, buying versus renting a home, living with roommates, the college financial process, sustainable housing and leases, using your voice to make a difference, presentation skills, career exploration and preparation, leadership opportunities, auto purchasing and basic maintenance, emergency planning, and much more!

Human Development
10th–12th grade— one semester: .5 credit
Prerequisites: None
This course explores the human life cycle from the cradle to the grave. Students will explore children’s development and have the opportunity to gain college credit through TECH PREP with Seattle Colleges (up to 7 credits for Intro to Early Childhood Education). Learn what people need to grow and how this impacts the stages of physical, intellectual, emotional and social development. Learn what steps are needed to care for small children and understand the unique/complex aspects that make us grow into healthy adults and older adults. This is a great class if you’re in interested in career in education, childcare, or psychology.

Journalism:
JOURNALISM/ADVANCED JOURNALISM
9th–12th grade—yearlong: .5 credit each semester
Prerequisites: None
Do you want to have your voice heard? Do you like writing, photography or design? Then the school newspaper is the class for you. In this course you will learn the basics of journalism and then you will put that knowledge into practice, producing the school paper, The Chinook on a monthly basis.

Woodworking:
WOODWORKING I
All grades— one semester: .5 credit
Prerequisites: None
Course curriculum combines technical instruction with “hands on” shop experience through the construction of assigned projects. Students will learn to operate the tools and machines used in the trades and industry. Upon completion of the course, students will understand the necessity of safe and precise work; demonstrate measurement skills, woodworking vocabulary and the techniques and processes used to produce quality work. Course also qualifies for Tech Prep (college) credit.

WOODWORKING II, III, IV
10th–12th grade— one semester: .5 credit
Prerequisites: Wood I
Advanced Woodworking is designed for students who desire advanced study in wood craftsmanship. With instructor support, students select individualized projects based on skill level and budget. This course builds on skills previously learned in the introductory woodworking class. The goal is to develop greater independence in the context of safety, design, layout, and the processes and techniques of advanced woodworking. Course also qualifies for Tech Prep (college) credit.

Career Choices
CAREER CHOICES 1 AND 2
CTE Credit, 0.5 credit per semester
Prerequisite: age 16 or older
Career Choices 1 and 2 offer students the opportunity to develop a school- or community-based (typically unpaid) internship in their career pathway of interest. Each internship site is developed cooperatively by the student and the internship teacher. Students meet on campus for the first two weeks, then once per week for a seminar to discuss and develop job skills; complete interest inventories; learn about workplace safety and the law; research careers; generate polished resumes, cover letters and job applications; and develop realistic career plans. The
other four days per week during class time, students are released to complete hours at their internship sites. Each student also completes a half-day job shadow during the semester.
Required for their internship, each student creates a learning plan with their employer and internship teacher and does at least 90 documented hours at their internship site to earn credit (hours may not be double-counted toward Service Learning). Each student also writes weekly journal entries and creates a Transition Portfolio. Career Choices 1 and 2 can be any period 1-6, and after school/on weekends for 7th period. Parents/guardians must sign SPS permission for student to leave campus; transportation is typically provided by the student.

OTHER ELECTIVE OFFERINGS

LEADERSHIP
(CTE CREDIT):
10th—12th grade—yearlong .5 credit each semester
Prerequisite: ASB officer
Leadership is a yearlong course offered to those students interested in holding an ASB position or getting involved in the Associated Student Body as well as any Link Crew Leader. Students work on planning community service events, social events, fundraising, and spirit events. Students will prepare for public speaking and learn effective habits of successful students and leaders. This class works towards improving school engagement and morale. Leadership is a mandatory class for all student officers, and open to all grade levels.

LINK CREW-PROJECT MANAGEMENT
(CTE CREDIT):
10th—12th grade—yearlong .5 credit each semester
Prerequisite: Selection as a Link Leader for the 2015-16 school year
In this course Link Leaders will develop their leadership skills and help make decisions about the Link Crew program throughout the year. We will focus on four main things: developing the skills and habits of strong leaders; delivering monthly lessons to 9th grade classes; improving public speaking skills; and planning Link meetings, events and communication

SPECIAl PROGRAMS

English as a Second Language
Bilingual students who qualify via the Washington English Language Proficiency Exam (WELPA) are enrolled in these courses. They exit the ESL program by obtaining a Level 4 on the WELPA.

ESL LANGUAGE ARTS 9A/B, 10A/B
9th, 10th grade—yearlong 0.5 credit/semester
Prerequisite: WELPA score
The curriculum for this course aligns with ELA common core standards. It also includes the Edge curriculum, published by Hampton-Brown. There is emphasis on increasing English reading, writing, speaking, and listening skills.

ESL LANGUAGE ARTS 11A/B, 12A/B
11th, 12th grade—yearlong 0.5 credit/semester
Prerequisite: WELPA score
The curriculum for this course aligns with the ELA common core standards. It also includes the Edge curriculum, published by Hampton-Brown. There is emphasis on increasing English reading, writing, speaking, and listening skills.

ESL WORLD HISTORY 1-3 MULTILEVEL
9th, 10th grade—3 semesters 0.5 credit/semester
Prerequisite: WELPA score
The curriculum for this course aligns with the Washington State Social Studies standards. It includes chronological and regional study of geography, history, culture, politics, and economics.

ESL US HISTORY 11A/B
11th grade—yearlong—.5 credit per semester
The curriculum for this course aligns with the Washington State Social Studies standards. There is a focus on the completion of a junior project which gives juniors the necessary skills to advance to American Government. It includes research, primary and secondary sources, conducting interviews, writing a social studies topic report, and making a presentation.

ESL AMERICAN GOVERNMENT AND ECONOMICS
12th grade—one semester-.5 credit
The curriculum for this course aligns with the Washington State Social Studies standards. There is a focus on the completion of a power point project which includes research, primary sources, conducting interviews, writing a historical report, and making a presentation.

ESL EXTENSION
9th, 12th grade—one semester-.5 credit per semester
This class gives ESL students additional support for their mainstreamed classes and additional skills need to pass EOC and HSPE exams.
Individualized Education Program

(IEP Services)
A student’s special needs, as outlined in an IEP, will determine what type and amount of services the student will receive. The IEP Case Manager and IEP Team work with the counselor, department chair, parents, and the student’s other teachers to help the student succeed. We offer a continuum of services that range from support provided in the general education classroom, to special education content area classrooms for instructional and functional academic needs, to off campus classes through Exploratory Internship Program (XIP) and City Campus programs. Emphasis is placed on educating each student in the least restrictive environment based on their individual needs. Questions can be directed to your student’s case manager or our special education department chair, Mykenna Ikehara mkikehara@seattleschools.org.

FOCUS

Prerequisite: Individual Education Plan
Focus provides resources and extended learning to students with IEPs. Students will receive specially designed instruction (SDI) outlined in their IEPs in reading, math, written expression, behavior, communication skills and organization skills. Needed skills will be taught using large group, small group and individualized instruction. Supplementary instruction may be provided by various computer-assisted instructional packages. Students will be expected to stay fully engaged in SDI lessons, working on current classroom assignments, make-up work, reading, academic planning, and improving study and organizational skills.

COMMUNICATION SKILLS

Prerequisite: Individual Education Plan
Communication Skills classes are taught using actual student experiences and situations. Developmental and cultural differences are considered in each lesson. Communication skills teachers’ verbal and non verbal social cues and strategies are used for emotional regulation. Additionally, student-to-student communication and conflict resolution are explored. Further, students will receive academic as well as study skills support according to IEP goals.

LANGUAGE ARTS M

Prerequisite: Individual Education Plan
Our Language Arts M classes are built upon delivery of the pragmatic skills which students will require to maximize their independence in the wider world such as common word/phrase recognition, conceptual organization and written communication. Students successfully completing this course will be able to use written, verbal and/or visual language to communicate their needs, wants and desires.

MATH FOR DAILY USE

Prerequisite: Individual Education Plan
The focus in this course is to enable students to successfully negotiate common mathematical tasks such as grocery shopping, transportation and basic money management. Students are challenged according to their ability which is reflective of student placement within a continuum or service delivery.

SCIENCE SURVEY

Prerequisite: Individual Education Plan
A mixed ability class focused on basic science and scientific principles, including, but not exclusive to; Newtonian physics, astronomy, geology, meteorology, medicine and electricity and invention.

Goals and objectives: A successful student will participate in class discussions, complete assigned tasks, attempt all material regardless of difficulty, maintain positive progress with regard to aligned IEP goal(s) as ascertained by a process of continuous assessment, recorded within monthly IEP progress report. Materials: Provided. CLASSROOM EXPECTATIONS: A successful student will be ready for class in time, in dress and in attitude, respect fellow students and keep their hands to themselves, listen, then think, then ask.

LIFE SKILLS

Prerequisite: Individual Education Plan
The Life Skills class provides students with essential living skills such as basic hygiene, interpersonal communication, self-management, social etiquette, basic nutrition and planning. It is the central goal of this course that upon completion students will be able to: maximize their safety in the workplace and/or community via a variety of self-management techniques, such as sight recognition of common work and community signage and/or computer keyboarding skills. Students will be encouraged to take advantage of family and community-based leisure activities as they transition from school to the wider word.

PRE- VOCATIONAL TRAINING

Prerequisite: Individual Education Plan
The Pre Vocational Training classes are designed to establish the foundational skills which are essential for both competitive and managed employment. Skills that are focused on include demonstrating resilience, being able to stay on task; following directions; exhibiting flexibility and working to an established standard.

EXPLORATORY INTERNSHIP PROGRAM (XIP)

Prerequisite: Open to students aged 15+ who have Individual Education Plans, application required, see Counselor
Credits: 1.5 or 3 credits Occ. Ed., Elective
• XIP/Career Choices at John Stanford Center Offices, Mailroom and Community sites (half day, 1.5 credits)
• XIP/Landscaping at Ingraham High School (all day, 3 credits)

OFF CAMPUS PROGRAMS

Running Start
The Running Start program at all of the 2-year colleges provides high school juniors and seniors the opportunity to earn high school and college credits at the same time. Tuition is free at The Seattle Colleges. Students are responsible for purchasing their own books, paying lab costs and providing their own transportation to the campus. To qualify, students must have earned 10 credits prior to entering the program; students must also take the COMPASS Assessment test (offered regularly at each Community College). It is important to meet with your counselor to discuss successful test results and receive assistance in completing the Running Start Application. Enrollment for Fall courses must be completed in the Spring prior to enrollment.

Seattle Vocational Institute (SVI)
SVI, located at 21st and S. Jackson, is another option provided through Running Start. This program provides the opportunity for Junior and Seniors to pursue vocational training in areas including: medical assisting, cosmetology, medical administrative specialist, computer based accounting, administrative office professional, network technical and pre-apprenticeship in construction trades. These programs are most appropriate for students who have a good idea of the specific trade that they want to enter. All remaining high school graduation requirements are met through this program. The deadlines for application are similar to those of the Running Start program. If interested, juniors and seniors should discuss this option with their counselor.

City Campus
Prerequisite: Open to all students age 16+, application required, see Counselor
City Campus classes are open to all Seattle Public Schools students. The City Campus program includes Health Occupations, Autobody Collision Technology, Automotive Technology and Career Workplace Exploration in Skilled Trades. City Campus classes are 2-3 periods long and students can earn 1.0-1.5 high school credits per semester. Students who earn a “B” or better grade in the yearlong programs for Health Occupations, Autobody Collision Technology and Automotive Technology also earn up to 20 college credits through Tech Prep.

Skills Center:
Prerequisite: junior or senior, 10 high school credits completed; application required, see Counselor
All Skills Center programs are high rigor (state-approved preparatory) and keyed to industry forecasts for high wage careers. These courses are driven by market demand so Skills Center students are motivated to enter the workforce at a high level, plus get a jumpstart on college and careers. The Seattle Public Schools Skills Center provides a chance for delivering advanced career and technical education programming, distributed throughout the city. (We do not currently provide transportation.)

AEROSPACE SCIENCE 1A & 1B @ KING COUNTY AIRPORT
Prerequisites: Students can also earn .3rd year Math credit in Applied Math 2, 3, or 4 Computer Applications (preferred) AND Manufacturing Foundations or Manufacturing Technology or Introduction to Engineering Design (IED) or Principles of Engineering (POE) or Digital Electronics (DE) or Automotive Technology 1 & 2 Students can also earn .3rd year Math credit in Applied Math 2, 3, or 4
Aerospace Science focuses on safety, tool identification and proper use, and other technical skills such as fastener installation, aluminum and titanium metal drilling, part installation, and the use of composite materials in the aircraft manufacturing industry. Students will practice their skills on mock aircraft training stations. Limited paid internships may be available. The program is designed to provide students with basic knowledge that would assist them in qualifying for entry-level aircraft mechanic positions. There will be several certificates available with this program.

AEROSPACE SCIENCE, YEAR 2 @ RAINIER BEACH HS
Required prerequisite- Skills Center Aerospace Science, Year 1.
Cross credited- 3rd Year Math (Applied Math 2, 3 or 4) 2 semesters, 1.5 credits per semester
Aerospace Science will continue to focus on safety, tool usage and installation. Students will be introduced to welding, brazing, mill and lathe work. The class will provide students with basic knowledge that would assist them in qualifying for entry level manufacturing aircraft mechanic training programs offered from local aircraft manufacturing industries and community/technical colleges. Limited internships may be available.

ANIMATION & GAMING 1A & 1B @ ACADEMY FOR INTERACTIVE ENTERTAINMENT, SEATTLE CENTER
Prerequisites: Computer Applications or Exploring Computer Science
Cross credited with .5 Fine Arts credit
Sketching and storyboarding in 2D animation, concepts of 3D animation, introduction to MAYA applications and animation.

**ANIMATION & GAMING 2A & 2B @ ACADAMY FOR INTERACTIVE ENTERTAINMENT, SEATTLE CENTER**

Cross credited with .5 Fine Arts credit
Students will learn the range of skills necessary for a career in animation used in visualization imaging, film, and video games. Focus will be on enabling students to create concepts, design, model, texture, rig, light, and animate game and film characters.

**DIGITAL ANIMATION, YEAR 2 @ SEATTLE CENTER**

Cross credited- Fine Arts

Prerequisite- Skills Center Digital Animation/Gaming Year 1, Algebra 1

2 semesters, 1.5 credits per semester

This Skills Center class is offered at the Academy of Interactive Entertainment (AIE). By creating a series of games, students learn programming skills applied to game design along with the application of advanced mathematical concepts. Students will advance their animation and programming skills and continue to embed 21st Century Skills into their course work. Students work in teams to develop games, while increasing their programming skills. Students are exposed to the real-world production cycle from concept to delivery.

**CISCO INFORMATION TECHNOLOGY ESSENTIALS 1A & 1B @ RAINIER BEACH HIGH SCHOOL**

Prerequisites: Computer Applications or Exploring Computer Science

Students can also earn 3rd year Math credit in Applied Math 2, 3, or 4

IT Essentials provides an overview of computer fundamentals and an introduction to advanced concepts, PC hardware, software, and network operating systems which prepare students for Comp TIA A+ certification and entry level IT support careers.

**CISCO DISCOVERY 2A & 2B @ RAINIER BEACH HIGH SCHOOL**

Prerequisites: Computer Applications or Exploring Computer Science

Students can also earn 3rd year Math credit in Applied Math 2, 3, or 4

Cisco Certified Network Analyst (CCNA) Discovery provides an overview of general networking theory and opportunities for practical hands-on lab experiences, portfolio planning, career exploration, and soft-skills development. Prepares students for Cisco CCENT certification and is the first step in Cisco CCNA certification.

**CISCO YEAR 2 @ RAINIER BEACH HIGH SCHOOL**

Required prerequisite- Skills Center CISCO Info Tech Yr 1

Cross credited- 3rd Year Math (Applied Math 2, 3, or 4)

2 semesters, 1.5 credits per semester

CCNA Exploration – curriculum teaches networking based on technology, covering protocols and theory at deeper levels reflective of university practices. Students enhance their knowledge of routing, switching, and advanced technologies to prepare for the CCNA certification and careers in Information and Communications Technology (ICT). IT Culminating Activities – Preparation for CCNA exam and introduces CCNP which are advanced skills required to manage end-to-end converged network infrastructures.

**COMPOSITES @ CLEVELAND HS**

Recommended prerequisite- Woods or PLTW (Project Lead the Way)

2 semesters, 1.5 credits per semester

The Composite Technician program is designed to prepare students to fabricate, assemble and repair composite materials. Students will identify and utilize appropriate materials and processes to assemble structures made of composite materials. They will test and repair composite structures. This program is designed to transition students into various Composite Technician programs or into entry level positions in the aerospace and composite industry.

**CULINARY ARTS @ RAINIER BEACH HS**

Required prerequisite- Family Health or Nutrition/Wellness or Human Development or Food Science or Pro Start 1A & 1B or Culinary Intro

2 semesters, 1.5 credits per semester

The class is a lab based study of culinary and chef training and food production skills. It introduces students to the growing fields of Hospitality/Tourism, Culinary, and Food and Beverage. Through a lab-based study of cooking techniques and related culinary arts, students explore topics that include instruction in food preparation, recipe and menu planning, supervised training as the kitchen assistants, management of food supplies and kitchen resources, aesthetics of food presentation and design, introduction to hospitality industry, sanitation and safety, applicable regulations, equipment operation and maintenance, and principles of food service management. The course requires participation and worksite experience both in school and community settings.

**FIRE SCIENCE @ FRANKLIN HS**

Recommended prerequisite- None

2 semesters, 1.5 credits per semester

In this program, students will prepare for careers as firefighters or in those closely-related occupations that require specialized training as a firefighter. Students will learn the academic responsibility of being a firefighter as well as the use of safety equipment through a variety of hands-on activities. Many of the fire service workplace requirements are incorporated into the classroom environment. As cadets, students will learn leadership skills (preside, guide or manage self and
They will also apply leadership skills in the real-world, family, community business and industry.

**HEALTH SCIENCE/MEDICAL ASSISTING @ WILSON PACIFIC**

*Required prerequisite- Family Health or Nutrition/Wellness or Human Development or Food Science or Biomedical Science or Sports Medicine or Health Intro*

*Cross credited- Applied Math 2 or Lab Science*

*2 semesters, 1.5 credits per semester*

The course provides students with a broad survey of core skills needed in the Health Sciences cluster and leads to high demand health and medical careers. The class uses leadership projects, modules, and project-based activities in school and community-based industry settings. Students apply foundation health standards, gain essential skills for healthcare fields, and practice for clinical placements leading to post-secondary completion of an accredited medical assisting program and medical assisting certification.

**MEDICAL CAREERS CORE 1A & 1B @ WEST SEATTLE HIGH SCHOOL**

*Prerequisites: Family Health or Nutrition/Wellness or Human Development or Food Science or Biomedical Science or Sports Medicine*

*Cross credited with .5 Lab Science credit, Students can also earn 3rd year Math credit in Applied Math 2, 3, or 4.*

Overview/skill development in Health/Medical careers, law & ethics, precautions, infection control, HIV/AIDS, medical terminology, communication, computer & clinical skills, field experiences, & business applications. Health Occupations Student Association (HOSA) leadership activities introduced.

**MEDICAL CAREERS CLINICAL 2A & 2B @ WEST SEATTLE HIGH SCHOOL**

*Cross credited with .5 Lab Science credit, Students can also earn 3rd year Math credit in Applied Math 2, 3, or 4.*

Students prepare for Advanced Nursing Assistant Certification. Students learn how to assist patients in medical and hospital clinical settings. Students also develop skills in the areas of phlebotomy and electrocardiography. Membership in Health Occupations Students of America (HOSA) will offer national and state leadership opportunities for students.

**MICROSOFT TECHNOLOGY ASSOCIATE (MTA) @ INGRAHAM HS**

*Cross credited- 3rd Year Math (Applied Math 2, 3, or 4)*

*2 semesters, 1.5 credits per semester*

This is the first step in the Microsoft Technology Certification Series. MTA is a recommended prerequisite to MCTS (Microsoft Certified Technology Specialist) exams. One certification is earned for each exam passed. IT Pro, Developer, and Data Base are the three certification areas and students will start with networking fundamentals and software development fundamentals first semester. Second semester will include Windows Development Fundamentals and Web Development Fundamentals. Recommended prerequisite- Computer Applications or Exploring Computer Science.