



Philomath High School Academic Course Catalog 2018-2019



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PHS COURSE CATALOG 2018/2019 SCHOOL YEAR

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ATTENDANCE

Regular attendance means being present for all classes during the school day. Exceptions are made for illness, medical appointments, and school related/school excused requests. These are considered excused absences, but the student must make up the missed work.

Attendance through grade 12 is required. Students with **exceptional circumstances** may petition the Board of Education to waive the attendance requirement if they have met all other graduation requirements for units of credit and academic competence. The attendance policy at Philomath High School emphasizes the importance of classroom attendance and participation in education. Absences of any kind will affect a student's progress and grades. **To receive credit for any class, a student must be in attendance on a regular basis.**

CREDITS

Credit is given for each trimester class that a student passes. A trimester class equals .5 credit; except for Jazz Band which equals .4 credit and Driver's Ed which equals .25 credit. Of the 24 credits required for graduation, 19 are required classes and 5 are elective credits. A student's choice of electives should be based on post-high school plans and student interest. Parents are encouraged to work with students in developing a four-year plan. Counselors are available to assist in this effort.

GRADUATION REQUIREMENTS

Philomath School District requires each student to earn a minimum of 24 units of credit in grades 9 through 12. Listed below are the required units of credit each student must earn:

	Standard Diploma	Honors Diploma**	Valedictorian Diploma***
Language Arts	4.0	4.0	4.0
Mathematics	3.0	4.0	4.0
Social Sciences	3.0	3.5	3.5
Lab Sciences	3.0	3.5	4.0
Health	1.0	1.0	1.0
Technology	0.5	0.5	0.5
Physical Education	1.0	1.0	1.0
CTE/Applied/Fine Arts or Foreign Language	2.5	2.0 of same Foreign Lang Plus .5 AA/FA or For. Lang.	2.0 of same Foreign Lang Plus .5 AA/FA or For. Lang.
Personal Finance	0.5	0.5	0.5
Electives	5.0	5.0	6.5
Senior Project	0.5	0.5	0.5
TOTAL:	24.0	26.0	28.0
Essential Learning Skills*	Required*	Required*	Required*

****Honors Diploma** - AGPA 3.5 and completion of the SAT, ACT or ASVAB. Math level must be through at least Pre-Calculus and a student must take math during the first three years of high school. All classes must be graded.

***** Valedictorian Diploma** – Must have first highest AGPA for Valedictorian. Completion of the SAT, ACT or ASVAB and must take 2 AP or College AAOT courses (AP English 12, AP Calculus, College Writing, College Physics and approved courses taken at LBCC or OSU). Math level must be through Pre-Calculus and a student must take math during the first three years of high school. All classes must be graded.

Exceptions to the requirements for graduation may be made in cases of physical or economic hardships or for special program students, as allowed by state statute and approved by the School Board. **Modified Diploma** candidates must meet with the school team before the end of sophomore year. See your counselor for procedures.

In order to provide a variety of educational experiences through which students may meet the graduation requirements of the district, **optional educational opportunities** will be made available to qualified students. See your counselor for more information.

Students interested in **Early Graduation** must petition the Philomath School Board by May 1st of Sophomore year. See your counselor for procedures.

Technology classes include – Computer Apps, Desktop Publishing, Web Design, Graphic Design, Drafting 1, Mechanical Design and Machining, Yearbook and Broadcast Media.

SCHEDULING

Math placement is based upon a student's past performance. Teachers use collected data to determine the most appropriate class a student needs to schedule.

Some classes will require a fee to help offset the cost of consumable supplies.

Students wishing to make **schedule changes** must discuss proposed changes with their counselor. **After the first 5 days of the trimester, there will be no more schedule changes. If a class is dropped after 3 weeks, the student will receive an F in that class. Any exceptions will be made on an individual basis with approval of the principal.**

RECOMMENDED BASIC SCHEDULE

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Language Arts – Frosh Survey & Verbal Comm	Language Arts –Modes of Writing and Lit Selective	Language Arts*	Language Arts*
Math*	Math*	Math*	Senior Social Studies*
Science*	Science*	Science	Personal Finance
Health	World Hist/Geography*	U.S. History*	Senior Project Lab
Freshman PE	PE	Health 2	Social Science Elective
Applied Arts**	World Language*	World Language*	Elective
Technology/Elective	Applied Arts/Elective	Elective	Elective

*Two Terms/trimesters of this course equals a one-year class.

**Applied Arts means a year class or two trimester classes in the practical arts or fine arts area.

BEYOND PHS AND EXPANDED OPTIONS PROGRAM AT LBCC

Philomath High School will pay for eligible students who are enrolled as a full-time student in 11th or 12th grade and at least 16 years old to take courses at LBCC. Students interested in this opportunity must talk to their counselor. More information can be found on the PHS website under “Academics”.

COLLEGE NOW AT LBCC

Philomath High School offers many courses taught by our staff that can also earn credit through LBCC. To receive College Now credit, students sign up through their PHS teacher. Registration costs are currently being waived by LBCC at this time. Courses that are eligible are designated in the course description. For up-to-date College Now courses, please visit the LBCC College Now website. <https://www.linnbenton.edu/future-students/ways-to-start-with-credit/high-school-partnerships/resources/resources-for-college-now-students/college-now-courses-by-high-school>

ESSENTIAL LEARNING SKILLS

Students must demonstrate proficiency in essential learning skills to graduate. The essential learning skills are **1. Read and comprehend a variety of text 2. Write clearly and accurately and 3. Apply mathematics in a variety of settings**. To meet these requirements, students will be given state tests and classroom work samples.

State Tests

Students must achieve passing scores on state tests to meet the Essential Skills:

- READING/LITERATURE
- WRITING
- MATH
- SCIENCE (required test but not required for Essential Skills)
- SOCIAL SCIENCE (required test but not required for Essential Skills)

Work Samples

Work samples are classroom assignments, scored on a 1-6 point scale using state scoring guides. Students must achieve the following scores on work samples:

Mathematics – A score of 4 or more on each required scoring guide dimension, on two mathematics work samples. These two samples must represent two of the three strands of mathematics: **Statistics and Probability, Algebraic Relationships, or Geometry**

Relationships, or Geometry

Writing – A score of 4 or more on each required scoring guide trait, on two writing work samples. These two samples may represent three types of writing: **One Expository or Persuasive and one Expository, Persuasive or Narrative**

Reading – A combined minimum score of 12 with no score lower than 4 for all traits on 2 work samples. Work samples include: Literary Text and Informational Text. At least one of the work samples must be an Informational Text.

CAREER AND SERVICE EXPERIENCE – GRADUATION REQUIREMENT

The C.A.S.E. Career and Service Experience provides students the chance to design and implement a complex learning experience that represents their interests, the knowledge and skills they have gained in school, and their vision for the future. While each student's work will be unique, every CASE must include the following parts:

1. Mentorship
2. Project Defense
3. Product/Experience
4. Oral Presentation
5. Career Related Learning Standards

More information on CASE on the high school website under “Academics”.

CAREER RELATED LEARNING STANDARDS

For a diploma, students will need to demonstrate extended application and career-related knowledge and skills. Students will complete the extended application by successfully completing the CASE. The Career Related Learning Standards (CRLS) are fundamental skills essential for success in employment, college, family, and community life. These skills are taught throughout the curriculum, integrated with academic learning, and emphasized in students' Senior Project. The CRLS are as follows:

1. Personal Management
2. Problem Solving
3. Communication
4. Teamwork
5. Employment Foundations
6. Career Development

OREGON PUBLIC UNIVERSITIES BASIC COLLEGE ENTRANCE REQUIREMENTS

Applicants must satisfactorily (grade of C- or above) complete at least 15 units (16 units for the Univ. of Oregon) of college preparatory work. One credit at PHS is equal to one unit. There are also GPA requirements and admissions tests (SAT or ACT) requirements.

English (4 units).

Mathematics (3 units). A minimum of three years through Algebra 2.

Science (3 units).

Social Studies (3 units).

World Language (2 units). A minimum of two years of the same high school-level second language, or a C- or above in the third year of a high school-level language, or two terms of a college-level second language with a grade of C- or above, or satisfactory performance on an approved assessment of second language proficiency. Demonstrated proficiency in American Sign Language meets the second language requirement.

In addition to the above requirements, the PHS counseling center recommends taking science, math, social studies and language arts every year as well as 4 years of world language when possible. We also strongly recommend the following for college-bound seniors:

1. A rigorous course schedule. While high school grades and SAT scores are important, colleges want to see that you have selected challenging courses that will help you grow academically.
2. Get involved in school activities, especially in leadership roles. Colleges want students who will enhance the educational environment in a special way.
3. Volunteer your time! Get involved and give back to your community. It is especially positive to have an experience that is directed toward a specific future interest (career or otherwise).

RECOMMENDED COLLEGE PREP SCHEDULE

Students completing the following general requirements will be ready for the college admissions process. Although these are typical admissions requirements, there may be different or additional requirements depending on the school or program. Always check with the institution and the program you intend to enter for additional admission requirements.

English	4 years	Business	1 year
World Language	2+ years	Applied/Fine Arts	1 year
Math	4 years	Physical Education	1 year
Science	4 years	Health	1 year
Social Studies	3.5 yrs.	Technology	1 year

NCAA Approved Courses

NCAA requirements for student athletes closely match the Oregon University System (OUS) requirements for college entry. This list is updated yearly by the administration in order to keep the clearinghouse current on our course offerings. **Not all courses offered at PHS are approved by the NCAA.** If you want to play sports at the collegiate level, please check this website to ensure the courses you are taking are approved. Also, make an appointment with your counselor so they can help you with this process.

College bound student athletes who want to practice, compete, and receive athletically related financial aid at a Division 1 or 2 school need to complete specific required core courses. The following courses are NCAA approved core courses. If your course is not on this list, then the course is **not NCAA approved**. Online courses taken through the Philomath Alternative Education Academy are **not NCAA approved**.

ENGLISH

Advanced English 11
American Literature
AP English 12
College Writing
Creative Writing
English 11/12 Criticism & Composition
Freshman Survey
Literature & Persuasion
Literature & Writing Revolt & Revolution
Modes of Writing
Shakespeare
Verbal Communications

MATH

Algebra 1
Algebra 2
AP Calculus
Geometry
Pre-Calculus
Probability and Statistics

SCIENCE

AP Environmental Science (approval pending)
Biology
Botany
Chemistry
College Physics
Forensics
Integrated Science
Marine Biology
Microbiology
Physics

SOCIAL SCIENCE

AP US Government & Politics
Global Seminar
History of Change
Senior Social Studies
Sociology
US History
World History Geography

Additional Core Course

German 1,2,3,4
Spanish 1,2,3,4

LANGUAGE ARTS PROGRAM

FRESHMAN SURVEY

Prerequisite: 9th grade required course

Credits: .5 Language Arts

NCAA Approved Course

This course is a **requirement** for all freshmen and offers an introduction to high school English. Covering literary terminology, study skills, research, and the modes of writing and speaking will help students succeed as they progress through high school. There will be multiple opportunities to read and write. At least one benchmark work sample opportunity will be offered. This course lays a foundation on which all other English courses are built. The skills covered here will aid a student in courses outside the English Department.

VERBAL COMMUNICATIONS

Prerequisite: 9th grade required course

Credits: .5 Language Arts

NCAA Approved Course

This course is designed to give students practice in informal speaking through various activities and discussions. As students build confidence and develop strategies for giving effective speeches, they will be expected to present more formal speeches in the persuasive, informative, and impromptu modes.

MODES OF WRITING

Prerequisite: 10th grade required course

Credits: .5 Language Arts

NCAA Approved Course

Modes of Writing offers students the chance to improve their writing skills at the high school benchmark. Students will write short pieces and will use a full writing process to produce essays in a variety of modes. Readings from an array of genres will also be included in this class. Students will complete several writing work samples during this course. At least one benchmark work sample opportunity will be offered.

SHAKESPEARE

Prerequisite: 10th grade standing or above

Credits: .5 Language Arts

NCAA Approved Course

An introductory study of works by William Shakespeare will be offered in this course. Plays and sonnets will be read. From these readings will come a variety of activities geared to the study of the language and themes of these works. Students will write about the texts as well as engage in discussions. Some performance and recitations will be required.

LITERATURE AND PERSUASION

Prerequisite: 10th grade standing or above

Credits: .5 Language Arts

NCAA Approved Course

Students will study elements of exposition and persuasion. This is a course for higher-level sophomore students, especially those with an interest in persuasion and social issues as the emphasis will be placed there. Readings from a variety of genres will be used, including two novels, *Animal Farm*, and *Anthem*. This class offers opportunities for persuasive and expository writing samples.

AMERICAN LITERATURE

Prerequisite: 10th grade standing or above

Credits: .5 Language Arts

NCAA Approved Course

American Literature offers a survey of American writers covering multiple genres. Students will work on developing skills in the area of literary analysis. Students will also explore the historical and societal context in which authors write. We will look at how events of an author's time period influence the writing that the author produces. Students will develop and use reading, writing, and speaking skills as they study pieces from various moments in American history.

CREATIVE WRITING

Prerequisite: 11th grade standing or above

Credits: .5 Language Arts

NCAA Approved Course

This is a class that emphasizes the creative use of written language (fiction, non-fiction, poetry, etc.) to communicate the endless varieties of the human experience. Students will develop their own writing skills through a variety of individual and group activities and projects. Students will also read the written work of other writers in order to refine their own creative writing. This class will work together as a community of writers to improve individual abilities.

ENGLISH 11/12 CRITICISM & COMPOSITION (Film course)

Prerequisite: 11th grade standing or above

Credits: .5 Language Arts

NCAA Approved Course

In this course, students will practice critical analysis and explore the medium of film as a form of literature. Students will read a variety of critical essays about film related to its artistic and literary components, as well as the role of film in helping to define social contexts in which they operate. Students will also practice reading the text of the film in small parts and in whole bodies of work. Students will write responsively, critically, and analytically in regards to the films studied and the literature that has been written about them.

ENGLISH 11/12 COMMUNICATION (Mass Media)

Prerequisite: 11th or 12th grade standing

Credits: .5 Credit Language Arts

In this course, students will identify, discuss and critically analyze various aspects of twenty first century mass communication –its theories, trends, processes and models. Students will read and write about the overt and covert messages of various media and content in news coverage, advertising and social commentary, and reflect on the ways in which mass media shapes perceptions of individuals and groups of people through its portrayals of social norms, economics, history, science, and other subjects.

LITERATURE AND WRITING—Revolt and Revolution

Prerequisite: 11th grade standing or above

Credits: .5 Language Arts

NCAA Approved Course

Throughout history, individuals and groups have used written and spoken communication as a means of effecting social change. In this class, students will explore the words and ideas of writers and speakers who have sought and continue to seek a better world. This course places emphasis on analytical writing and the development of critical reading skills, as well as class discussion and debate.

ADVANCED ENGLISH 11

Prerequisite: 11th grade standing and English department approval

Credits: 1.0 Language Arts

NCAA Approved Course

Junior standing is required. This is an advanced course for the serious student who wants to develop high level writing and literary analysis skills. A strong emphasis will be placed on writing college-style essays and developing methods of thorough literary study. Although it is not required, students who complete this course satisfactorily will be prepared to enter the AP 12 class.

COLLEGE WRITING

Prerequisite: 12th grade standing and/or LBCC placement test to determine placement into WR121

Credits: 1.0 Language Arts

NCAA Approved Course

LBCC Credit Option through College Now

College Writing is a senior level class for students who desire to develop the writing skills necessary for college and professional success. In this course, students will practice a variety of writing modes in response to works of fiction and non-fiction and will write a formal research paper with correctly formatted citations. The organizational, analytical, interpretive, and expressive skills students learn will prepare them to accomplish effectively the reading and writing tasks they will face in college and in the workplace. **College Now:** Seniors who qualify for LBCC admission may receive three hours of college English credit equivalent to WR121, provided they pay the LBCC College Now fee (if applicable) and pass both trimesters of the PHS College Writing class and LBCC's WR121 test. (Note: This class is graded according to a college-level standard. It is an academically challenging and rigorous course and should be taken only by those who have a sincere interest in doing college-level work.)

ADVANCED PLACEMENT ENGLISH LIT & COMPOSITION (AP12)

Prerequisite: 12th grade standing

Credits: 1.0 Language Arts

NCAA Approved Course

This class concentrates on the reading and analysis of literary works and the writing of critical essays. The class is intended to be representative of introductory English Literature courses commonly offered in American universities and colleges. Upon receiving a passing score (3 or higher) on the year-end AP Examination, a student will be able to receive college credit in Oregon and many other universities throughout the United States. There will be a strong emphasis on writing college-style essays, developing vocabulary, and pursuing literary research. This is an advanced course for the serious student of good literature. Students can opt to take a single trimester of this class if there is another trimester class they wish to pursue.

WORLD LANGUAGE PROGRAM

****Courses in World Languages are electives and not required for standard graduation at PHS. Students who expect to attend a 4-year college after high school or plan on earning a Philomath High School honors diploma must take a minimum of 2 years of the same world language.**

SPANISH 1

Prerequisite: None

Credits: 1.0 Applied Art/World Language

NCAA Approved Course

Students in Spanish 1 will work toward developing proficiency by acquiring functional vocabulary and basic grammatical structures for use in speaking and writing about self, school, family, preferences, after school activities, daily schedule, and other topics relative to interpersonal communication. Students will also begin studying the different cultures of countries where the Spanish language is spoken. It is recommended that students enrolling in Spanish 1 have demonstrated success in language study by earning satisfactory grades of "C" or better in their prior English classes.

\$15 fee for course workbook.

SPANISH 2

Prerequisite: Proficiency level and/or C or better in level one

Credits: 1.0 Applied Art/World Language

NCAA Approved Course

This class is a continuation of Spanish language and culture study with emphasis on expanding vocabulary and improving skills of reading, writing, and conversation. Topics covered in this course include a review of all content of Spanish 1 with the addition of thematic vocabulary pertaining to household chores, shopping, vacation/travel, volunteering in the community, entertainment, and narrating one's daily preparation routine in both the present and past tenses. Students are encouraged to apply language to life situations through creating original descriptions, narratives, role-plays, etc. with a focus on gaining further communicative proficiency. \$15 fee for course workbook.

SPANISH 3

Prerequisite: Proficiency level and/or C or better in level two

Credits: 1.0 Applied Art/World Language

NCAA Approved Course

Students will participate in an extended study of the Spanish language and the cultures in which it is spoken. The primary objective is to advance communicative proficiency, especially with regard to narration in a variety of time frames. Students respond orally and in writing to situations and prompts pertaining to various themes including school, the community, daily routine, past and future events, medical issues, the environment, entertainment, and travel. Students will also read authentic texts including informational essays and articles, stories, and a short novel. \$15 fee for course workbook.

SPANISH 4

Prerequisite: Proficiency level and/or C or better in level three

Credits: 1.0 Applied Art/World Language

NCAA Approved Course

Students will continue to develop their communicative competency with spoken and written Spanish. Emphasis will be on extended discourse and practical application of the language in a variety of academic and social situations, as well as narration in a variety of time frames. Students will read authentic texts including informational essays and articles, stories, and a short novel. By the completion of Spanish 4, students will be well-prepared to further their study of Spanish at the college level or to use the language for basic communication in the workplace.

GERMAN 1

Prerequisite: None

Credits: 1.0 Applied Art/World Language

NCAA Approved Course

In beginning German, students will learn to ask and answer questions about everyday topics. These topics include school, family, shopping, foods, clothes, and a variety of things they like (and don't like) to do. While learning about the German language and culture, students learn to write, read, speak, and listen to German in various contexts. By the end of German 1, students will have a solid groundwork of the essential skills needed to be proficient German speakers. Students will practice teaming with partners and small groups to improve their language learning.

GERMAN 2

Prerequisite: Proficiency level and/or C or better in level one

Credits: 1.0 Applied Art/World Language

NCAA Approved Course

Students in German 2 begin to rely less on memorized phrases and start to converse more freely. They will expand their ability to talk, hear, write, and read about topics already studied, as well as add new topics like free-time activities, travel, vacations, animals, vocabulary related to health and the human body. German 2 students also begin taking a closer look at cinema and pop-culture as they delve deeper into culturally iconic films and music. Students continue to work together in groups and as a class to enhance and expand their German language skills and cultural awareness.

GERMAN 3/GERMAN 4

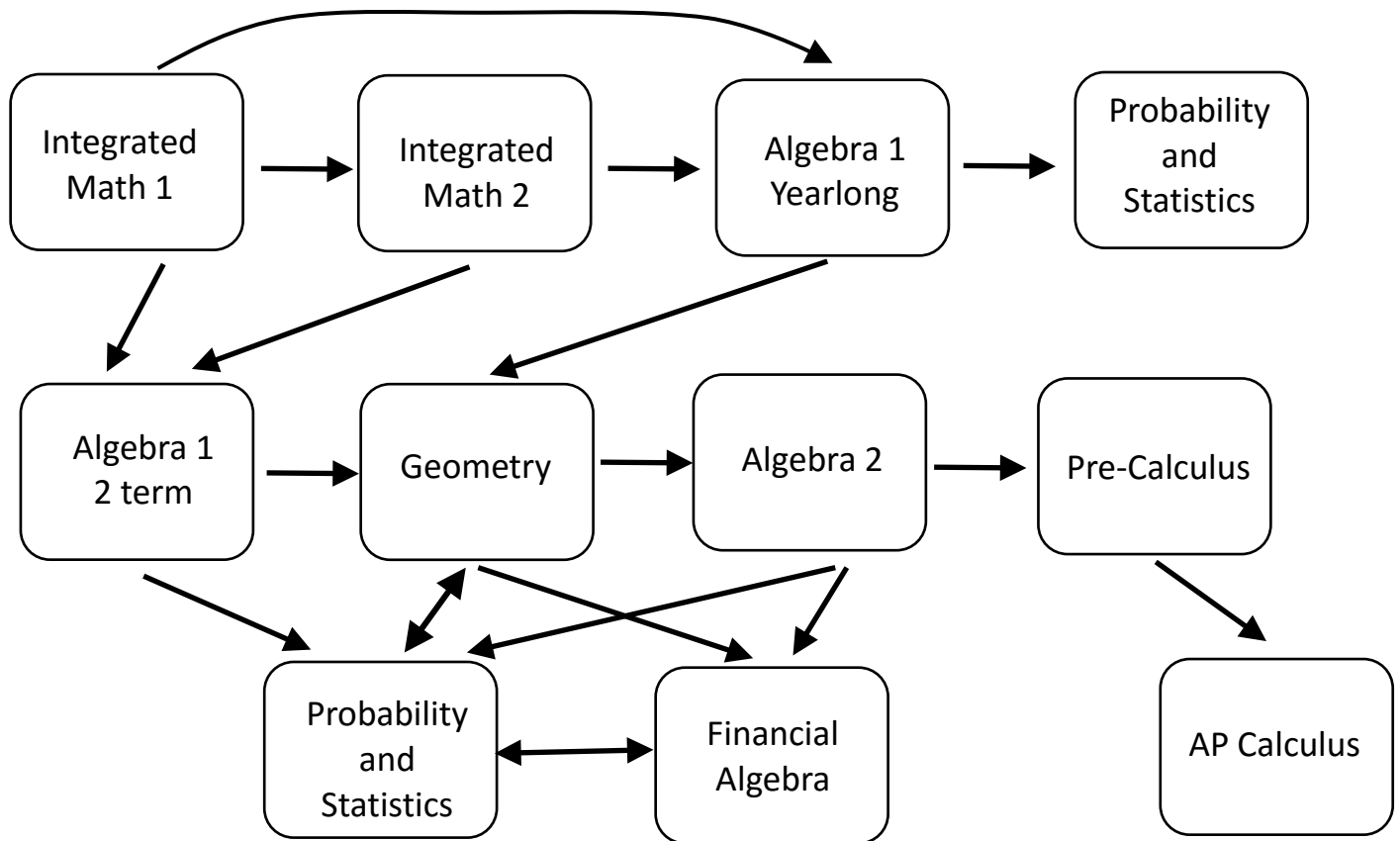
Prerequisite: Proficiency level and/or C or better in level two/three

Credits: 1.0 Applied Art/World Language

NCAA Approved Course

The curriculum for German 3 & 4 alternates from year to year in a way that both German 3 and German 4 students do not have the same class twice in a row. As students reach the German 4 level, they will have more advanced tasks or different projects to complete while still having the opportunity to review and reaffirm their German proficiency. Students will continue to develop speaking, listening, reading, and writing skills using more advanced and complex topics. They begin to read longer, original German texts, including news, non-fiction writing, poetry, fairy tales, and short stories. Students will also practice creating their own personal works of German such as news stories, poems, or short stories.

MATH PROGRAM SEQUENCE



MATH PROGRAM

INTEGRATED MATH I

Prerequisite: Teacher Placement – Teacher Recommendation Required

Credits: 1.0 Mathematics

This course helps students build knowledge and skills to prepare for Algebra 1 and Geometry courses. The focus is on real-world applications and building proficiency with a few key concepts of algebra and geometry, such as linear equations and geometry of plane figures and solids. This course is for students who have basic math proficiency, but would benefit from additional preparation before starting the standard Algebra 1 sequence. Upon successful completion, students will take either Integrated Math II or Algebra I next year.

INTEGRATED MATH II

Prerequisite: Integrated Math I – Teacher Recommendation Required

Credits: 1.0 Mathematics

This course focuses on career applications of algebra and geometry. Materials from community colleges and other sources help prepare for careers in fields such as construction, restaurants, nursing, cosmetology, forestry and firefighting. Upon successful completion, students will take Algebra I next year.

ALGEBRA 1 (Year Long)

Prerequisite: Teacher Placement

Credits: 1.0 Mathematics

NCAA Approved Course

This course covers the Algebra 1 curriculum over 3 terms allowing students who might need more time to learn the curriculum. This course covers all major algebra topics including algebra operations, equation and inequity solving, linear functions, systems of equations, basic exponential and polynomial functions, as well as certain topics in geometry, problem solving, and discrete math. Opportunities to complete assessment tasks will be given.

ALGEBRA 1 (2 trimester)

Prerequisite: Teacher Placement

Credits: 1.0 Mathematics

NCAA Approved Course

This course covers all major algebra topics including algebra operations, equation and inequity solving, linear functions, systems of equations, basic exponential and polynomial functions, as well as certain topics in geometry, problem solving, and discrete math. Opportunities to complete assessment tasks will be given.

GEOMETRY

Prerequisite: C or better in Algebra 1 or instructor approval

Credits: 1.0 Mathematics

NCAA Approved Course

The course covers topics in algebra, geometry, logical reasoning, discrete math, and basic trigonometry. Opportunities to complete assessment tasks will be given.

FINANCIAL ALGEBRA

Prerequisite: C or better in Geometry or instructor approval

Credits: .5 Mathematics

Financial Algebra will explore mathematical functions in the financial context. Algebraic functions will be the focus including linear, quadratic, and exponential functions and their models. The concepts of regression, probability, measures of central tendency, and graphical representations will also be covered. Financial topics include compound interest, credit cards, mortgage, loans, depreciation, and investments.

PROBABILITY & STATISTICS

Prerequisite: C or better in Algebra 1 or instructor approval

Credits: .5 Mathematics

This class is for all students that have completed algebra 1. This course will include topics of counting techniques, probability, surveying and data gathering, consumer statistics, voting theory, regression techniques, and algebra and geometry review where appropriate.

ALGEBRA 2

Prerequisite: C or better in Geometry or instructor approval

Credits: 1.0 Mathematics

NCAA Approved Course

This course continues the study of algebra to prepare students for more advanced work in mathematics. It covers all major algebra topics including algebra operations with real and complex numbers, equations and inequality solving, linear functions, systems of equations, exponential and logarithmic functions, quadratic and other polynomial functions, as well as certain topics in geometry, discrete math, and trigonometry. Opportunities to complete assessment tasks will be given.

PRE-CALCULUS

Prerequisite: C or better in Algebra 2 or instructor approval

Credits: 1.0 Mathematics

NCAA Approved Course

LBCC Credit option through College Now

This course will cover the equivalent of College Algebra and College Trigonometry. Students will have the opportunity to earn College Now credits for Math 111 and Math 112 through LBCC.

AP CALCULUS

Prerequisite: A or B in Pre-Calculus or instructor approval

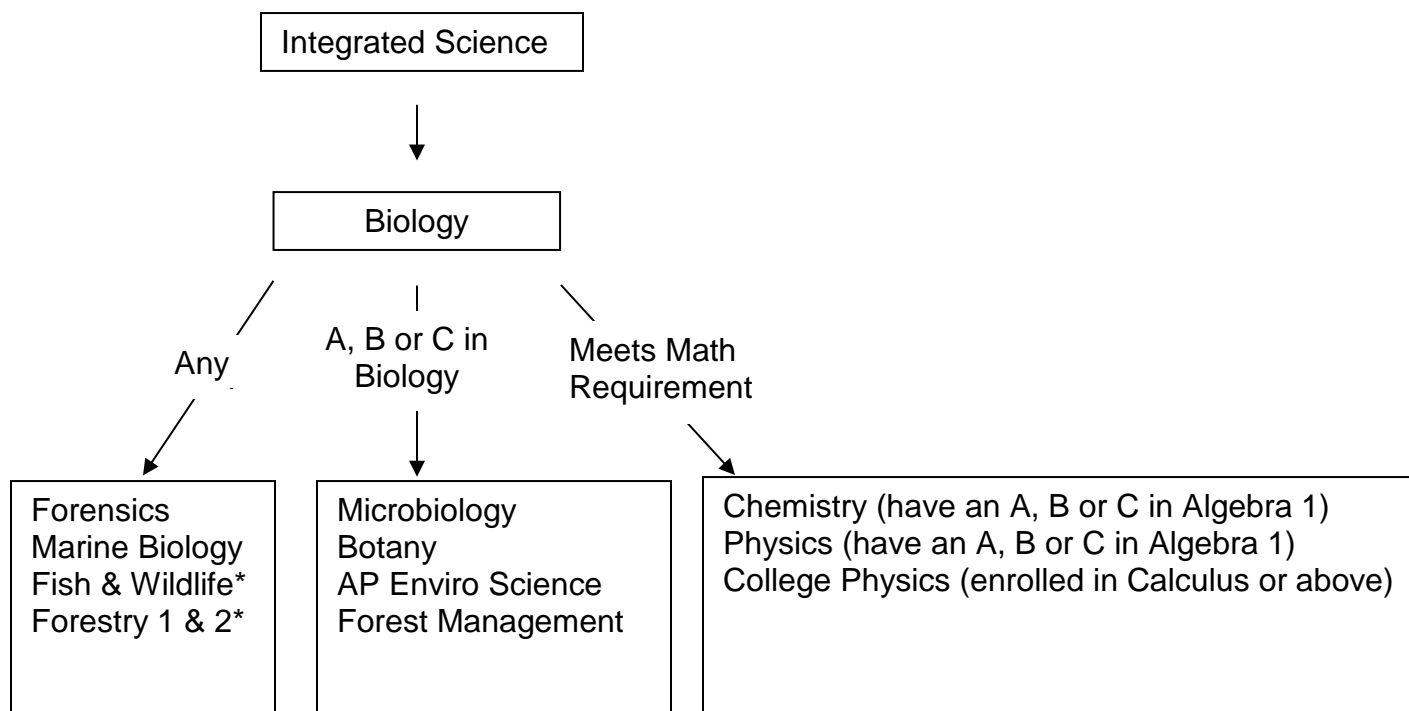
Credits: 1.5 Mathematics

NCAA Approved Course

LBCC Credit option through College Now

This course will cover the equivalent of the first two terms of college calculus, covering both Differential and Integral Calculus. Students will have the option of taking the AP Calculus AB test at the end of the year with the opportunity to earn college credit, in addition to College Now credits for Math 251 and Math 252 through LBCC.

SCIENCE PROGRAM SEQUENCE



- All students must take at least 3 years of science
- College-bound students should take at least 4 years of science
- Student planning careers in medicine, science, or engineering should take Chemistry and Physics and a 5th science class
- Incoming freshman wishing to take Biology in 9th grade must have successfully placed out of Integrated Science or meet all of the following criteria:
 - Have an A in Integrated Science A
 - Be concurrently enrolled in Integrated Science B
 - Have written instructor approval
 - There must be space available in Biology – priority is given to sophomores
- Students wishing to take Chemistry or Physics in 10th grade must meet all of the following criteria:
 - Have an A in both terms of Integrated Science (juniors and seniors; A or B is OK)
 - Be concurrently enrolled in Biology (or have completed or tested out of the class)
 - Have completed Algebra I with a grade of B or higher and have completed or be concurrently enrolled in Geometry
 - Have the written approval of the chemistry or physics instructor
 - There must be space available in the course – priority is given to juniors and seniors
- For College Physics, students must have completed or be concurrently enrolled in Calculus

*Forestry 1 & 2 and Fish & Wildlife count as high school science credits, but colleges consider them as elective credits

GENERAL SCIENCE PROGRAM

*****Science courses have a \$10 fee per term excluding Integrated Science and Biology.**

INTEGRATED SCIENCE

Prerequisite: 9th grade standing

Credits: 1.0 Science

NCAA Approved Course

This course focuses on developing intuition and hands-on experience with physical science concepts through laboratory experiments and discussion. Topics include experimental design, scientific graphing, heat, energy, radioactivity, basic astronomy, chemical bonding, acids and bases, chemical reaction rates, Newton's laws of force and motion, and wave properties.

BIOLOGY

Prerequisite: 10th grade standing

Credits: 1.0 Science

NCAA Approved Course

Biology is the scientific study of life using lab investigations, local field trips, and individual research projects. Students will learn how to improve scientific investigation techniques to answer important questions. Topics covered in class include the study of cells, DNA, genetics, evolution, microbiology, classification of organisms and ecology. This is a fun and challenging course for sophomores.

CHEMISTRY

Prerequisite: 11th grade standing or higher, recommended Algebra 1 grade of B. Sophomores may take Chemistry if they are concurrently enrolled in biology, have completed Algebra with a B or higher, and have instructor approval.

Credits: 1.0 Science

NCAA Approved Course

Chemistry is lab-intensive college preparatory course designed to meet the needs of both the student with a general interest in chemistry as well as students planning to pursue the sciences in college. Topics include properties and structure of matter, bonding and compounds, organic molecules, chemical reactions, reaction rates, and basic nuclear chemistry. Students will use both quantitative and qualitative analysis with laboratory investigations to develop an understanding of chemistry and experimental results.

FORENSICS

Prerequisite: Biology A

Credits: .5 Science

NCAA Approved Course

Forensics is the application of science to law enforcement. Students will use their observation and reasoning skills to make connections and problem solve. Topics covered may include: crime scene investigation and evidence collection; fingerprinting and other impression analysis; the study of hair and fibers; blood spatter analysis; and forensic anthropology.

PHYSICS

Prerequisite: 11th grade standing or higher, recommended Algebra 1 grade of B, completion or concurrent enrollment in Geometry. Sophomores may take Physics if they are concurrently enrolled in biology, have completed Algebra with a B or higher, and have instructor approval.

Credits: 1.0 Science

NCAA Approved Course

This two-trimester course is an exciting exploration of topics such as motion, force, gravity, work, energy, electricity, magnetism, light, sound, waves, thermodynamics, nuclear physics, relativity, quantum mechanics, chaos theory, and astrophysics. The class is a combination of demonstrations, discussions, in-class activities, and laboratory investigations. This challenging class focuses on deep understanding of conceptual concepts and also explores mathematical relationships at the level of Algebra 1 and Geometry. This is for students who enjoy science, enjoy thinking, and enjoy understanding how the universe and the world around them work. Students interested in medical careers should strongly consider taking both Chemistry and Physics.

COLLEGE PHYSICS

Prerequisite: Completion or current enrollment in AP Calculus

Credits: 1.0 Science

NCAA Approved Course

LBCC Credit Option through College Now

This course is designed to give credit in PH211 - General Physics with Calculus. This class uses calculus to understand physics mechanics and solve dynamics problems; which include forces, motion, projectiles, gravity, Newton's Laws, momentum, and energy. Because this course is focused on mechanics and does NOT address electricity, magnetism, waves, light, sound, thermodynamics, or modern physics, it is strongly recommended that students interested in physics also have completed or be concurrently enrolled in "Physics" - which is a broader, more conceptual overview of physics.

MARINE BIOLOGY

Prerequisite: completion of Biology or instructor approval

Credits: .5 Science

NCAA Approved Course

Students in marine biology will learn about life in ocean and the factors that influence ocean life. Students will have the opportunity to participate in a field trip to the intertidal zone along the Central Oregon Coast. This is an excellent course for students interested in learning more about the marine and coastal environments.

MICROBIOLOGY

Prerequisite: C or better in both terms of Biology or instructor approval

Credits: .5 Science

NCAA Approved Course

Microbiology is a lab intensive course for students interested in microbes, medicine, and/or biotechnology. The introductory topics include microbe identification, metabolism, growing microbes, and microbe lifestyles. In the microbes and health unit, students learn about how diseases work, treatment for diseases, and microbes that normally occupy the human body. In the biotechnology unit, students will learn about DNA analysis, genetics, and complete labs using biotechnology tools

AP ENVIRONMENTAL SCIENCE (pending PSD board approval)

Prerequisite: Biology and 10th grade standing

Credits: 1.0 Science

NCAA Approved Course – pending

LBCC College Now credit - pending

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 and/or preventing them. There will be weekly lab experiences and multiple field trips. Upon receiving a passing score (3 or higher) on the year-end AP Examination, a student will be able to receive college credit in Oregon and many other universities throughout the United States.

BOTANY

Prerequisite: C or better in both terms of Biology or teacher approval

Credits: 1.0 Science

NCAA Approved Course

Botany is a hands-on class that investigates the growth of plants in the school garden and greenhouse. Students learn to grow their own fruits and vegetables in our raised beds, orchard, and vineyard as well as scientifically evaluate their crops for flavor, pest and disease resistance, cold-hardiness, and more. During the winter, students work in the lab and greenhouse. They graft fruit trees, propagate cacti, succulents, house plants, landscape ornamentals, and trees. In spring, students plan and manage a plant sale where they sell a portion of their plants to the gardening community. Other topics related to plant culture such as pest management, soils, irrigation, genetics, and plant physiology are also investigated.

ADVANCED BOTANY INDEPENDENT STUDY

Prerequisite: Completion of Botany A and B and earned the grade of A or B during both terms. Student must be approved before enrolling. Space is limited to 10 students.

Credits: 0.5 Science

Advanced Botany Independent Study will continue the content from Botany and extend into the students areas of interest. Students can expect to spend at least 50 hours involved in either activity or research related to the course. It will be the students responsibility to journal this activity in order to receive full credit. The student is expected to meet with the teacher during a scheduled time at least twice every week. This will be arranged on a case by case basis.

NATURAL RESOURCES SCIENCE PROGRAM

*****Science courses have a \$10 fee per term excluding Integrated Science and Biology. Forestry courses have a one-time \$10 fee per year.**

FORESTRY 1: Introductory Forestry

Prerequisite: None

Credits: 0.5 applied art for each term taken, in some circumstances science credit may be awarded at the high school level

This one period class presents an overview of the forest products industry, including career opportunities and economic aspects. Students will be exposed to safety, first aid, tree identification, map and compass use, and elementary forest management techniques. The student will also learn basic forestry skills through the use of fieldwork, as well as meet local industry professionals. Upon the successful completion of Integrated Science and Biology, students may receive science credit for this class.

FORESTRY 2: Technical Forestry

Prerequisite: Forestry 1

Credits: 0.5 applied art for each term taken, in some circumstances science credit may be awarded at the high school level

This one period class involves classroom and fieldwork. Students will do basic forest surveying, timber cruising, logging operations, use and maintenance of power saws, fire control, insect control, log scaling, and timber reforestation. The student will be exposed to career opportunities in forestry as well as forestry computer applications and leadership skills. Upon the successful completion of Integrated Science and Biology, students may receive science credit for this class.

WILDLIFE AND DOMESTIC ANIMAL MANAGEMENT (pending PSD board approval)

Prerequisite: None

Credits: 0.5 Applied Art

This introductory course focuses on information about the care and management of domestic and farm animals. This course will cover animal nutrition, health, behavior, selection, reproduction, anatomy, and marketing. This course will focus on animals in our local industry, including companion animals, swine, cattle, horses, fowl, and sheep.

INTRODUCTION TO FISHERIES AND WILDLIFE

Prerequisite: Biology or teacher approval

Credits: 0.5 science but not accepted as science toward 4-year college admissions for OPU system or NCAA eligibility

This introductory course will introduce identification, habitat, behavior and management of fish and wildlife species in Oregon. The course will also address the issues of non-native species and the impacts that they have had on Oregon ecosystems.

FORESTRY MANAGEMENT (TWO PERIOD BLOCK)

Prerequisite: Forestry 1 and 2 or B or better in Biology

Credits: 1.0 applied art, in some circumstances science credit may be awarded

Central Oregon Community College (COCC) credit is available and is transferable to Oregon State University (OSU)

This two-period class involves classroom and fieldwork, and is designed to prepare students for field work in a career in a forestry or natural science field. Students will be taught data collections techniques, data analysis and communication, marketing, cost analysis, stand improvement/evaluation, rules and regulations, fire control, as well as being introduced to federal and state agencies. Students in this class will spend time on site at mills, tree farms, forestry operations, and state/federal offices. Additionally, students will work with forestry professionals from all sectors of the industry to actively manage the 20-acre Castle Forest. Students will be able to apply technical forestry skills and knowledge that they learn in classroom in the management of this location at an advanced college level.

SCHOOL OF FORESTRY (TWO PERIOD BLOCK)

Prerequisite: Forestry 1 and 2

Credits: 1.0 applied art, in some circumstances science credit may be awarded

This two-period block involves classroom and fieldwork. Students will be working directly with community and industry professionals, learning hands-on, job-related skills that will prepare them for a future career in the fields of forestry, natural resources, or environmental sciences.

NATURAL RESOURCE WORK EXPERIENCE

Prerequisite: Forestry 1

Credits: 0.5 Applied Art

This is a one period course focused on providing work experiences and further application of in class skills. Students accepted into this course will gain experiences in land and shop management and help support and care for the overall property of the Forestry program. *This course is by instructor approval only.*

NATURAL RESOURCE LEADERSHIP

Prerequisite: Forestry 1 and instructor approval

Credits: 0.5 applied art

This one period class is focused for students looking to enhance their leadership skills and experiences. This class will range to include public speaking, community service and industry advocacy. This course is required for FFA officers, and open to those diving deeper into their personal growth, and development in Natural Resources. *This course is by instructor approval only.*

SOCIAL SCIENCE PROGRAM

WORLD HISTORY/GEOGRAPHY

Prerequisite: 10th grade standing

Credits: 1.0 World History

NCAA Approved Course

World History and Geography is an introduction to high school social science. It is a class that examines how both human beings and societies function. Using cultural geography and 20th century world history as a tool, we will attempt to understand where we came from, where we are, and where we are headed as a global culture. Students will examine the relationship between landscape, climate, resources, people, values, ideas, and culture. Students will analyze and interpret geographic data and take an in-depth look at history to help us to understand our world today. Focuses include the following: Social understanding and perspective, critical thinking, the media, propaganda & influence, the five themes of geography, population & consumption, industrialization & globalization, colonialism & imperialism, and the response & world conflict.

U. S. HISTORY

Prerequisite: 11th grade standing

Credits: 1.0 US History

NCAA Approved Course

This course is devoted to the study of American History Progressive Era to the present. Areas of concentration will be the Imperialistic era, both World Wars, the Roaring 20s, the Great Depression, the prosperity of the 50's and 60's, and the problems and achievements of the 70's, 80's, and 90's.

GLOBAL SEMINAR

Prerequisite: 11th or 12th grade standing

Credits: .5 elective or .5 Social Elective for Honors

NCAA Approved Course

This discussion and project based class is meant to empower students by allowing them an in-depth look at issues of concern for the greater global village. Students will have the opportunity to explore the nature of justice in the international community. An in-depth analysis of issues such as power, wealth, race, and class will be addressed. Areas of focus include the relationship between population growth and the earth's resources, the politics of climate change, energy issues, the scarcity of water, food production and distribution, and both international conflict and resistance. As we explore these issues students will empower themselves to utilize their learning to communicate their ideas to the world around them. Evaluation of information and the Art of Communication are cornerstones.

HISTORY OF CHANGE

Prerequisite: 11th or 12th grade standing

Credits: .5 elective or .5 Social Elective for Honors

NCAA Approved Course

How does societal change occur? The conversation continues in this history class focused on analyzing ways in which social change has occurred in the past. This class will explore examples of citizen movements of the 20th century and the impact of those movements on society. As always, the class attempts to interpret history in terms of its connection to today. We look at the successes as well as the hardships and try to understand what works, what doesn't and why. Hope, patriotism, and the impact of the individual are critical themes and particular attention is paid to the impact of the arts in creating social change.

SOCIOLOGY

Prerequisite: 11th or 12th grade standing

Credits: .5 elective or .5 Social Elective for Honors

NCAA Approved Course

This course provides a broad overview of sociology and how it applies to everyday life. It will present the sociological approach to understanding human behavior. Sociology considers how particular life experiences, attitudes, and values are shaped by membership in ascribed and achieved social categories such as social class, race/ethnicity, gender, sexuality, and nationality, and recognizes the many ways that social forces impact our lives.

SENIOR SOCIAL STUDIES

Prerequisite: 12th grade standing

Credits: 1.0 Senior Social

NCAA Approved Course

This class informs the students of our rights and responsibilities as U.S. citizens. Decision-making, value judgments, and solutions to problems are encouraged. Included in this course will be the study of the origin of American government; current local, state, and national government structure and function; rights and responsibilities of people that live in the U.S.; and current issues and problems facing the world, nation, state, or community.

AP US GOVERNMENT & POLITICS

Prerequisite: 12th grade standing

Credits: 1.0 Senior Social

NCAA Approved Course

This course provides students with an analytical perspective on government and politics in the United States, involving both the study of general concepts used to interpret US politics and the analysis of specific case studies. The course generally covers the constitutional underpinnings of the US government, political beliefs and behaviors, political parties and interest groups, the institutions and policy process of national government, and civil rights and liberties. Students will have the option of taking the AP US Government & Politics test in May.

HEALTH and PHYSICAL EDUCATION PROGRAM

FRESHMAN PE

Prerequisite: 9th grade standing

Credits: .5 PE

FRESHMAN PE is an individualized, one-trimester course designed to give students the knowledge and skills necessary to self-assess, create, conduct and evaluate personal fitness programs. This includes personalized appraisal of current fitness level and exploring options available to improve cardiovascular endurance, weight control, strength and flexibility. *Freshman PE* may be taken anytime during the ninth grade and is a prerequisite for any other physical education courses. The course is a combination of classroom and activity-based learning activities with a focus on proper nutrition and the mastery of skills and concepts necessary for students to become accomplished monitors of their personal lifetime fitness. Through participation, students learn to compare the fitness benefits in a variety of individual and team activities.

TEAM SPORTS

Prerequisite: Freshman PE

Credits: .5 PE

Team Sports offers learning, which can best be experienced through physical activity with an emphasis on recreational and lifetime activities that have carry-over value. This course is designed for those students who have a strong desire and appreciation for advanced skills and knowledge of sports and games. A one-time \$5 PE fee will be assessed during the year for PE/Weights classes.

WEIGHT TRAINING

Prerequisite: Freshman PE

Credits: .5 PE

This strength training course is designed for individuals who are serious about increasing their strength training knowledge and personal weight training goals. Both teacher and student prescribed workouts are provided to meet the individual needs of each student. Emphasis is placed on safety and proper lifting techniques. Course content will include cardiovascular work, plyometrics activities, class discussions, and knowledge and skills tests. Second year Weight Training students will have additional expectations from first year curriculum. A one-time \$5 PE fee will be assessed during the year for PE/Weights classes.

PERSONAL FITNESS (not offered 2018-2019)

Prerequisite: Freshman PE

Credits: .5 PE

This class enables students to improve their physical fitness and their knowledge of fitness. The emphasis is placed on the five health-related elements of fitness: cardiovascular endurance, flexibility, muscular strength, muscular endurance and body composition. Units of instruction will include: physical education with personal fitness emphasis, fitness concepts and techniques, cardiorespiratory endurance training and its relationship to heart rate, nutrition, and aquatic exercises. The course promotes the concept that an individual's physical, mental, emotional and social well-being can be enhanced through lifetime physical activity. A one-time \$5 PE fee will be assessed during the year for PE/Weights classes.

LIFEGUARD TRAINING

Prerequisite: 15 years old by March 5

Credits: .5 Elective

Must pay a \$45 fee for the book and pocket mask which are required for the class; and \$35 for certification cards which are issued upon completion of class. This American Red Cross Lifeguarding class provides entry-level lifeguard candidates with the skills and knowledge to prevent, recognize, and respond to emergencies and to provide care for injuries and sudden illnesses. Includes certification in Lifeguard Training, CPR/PR and AED for the Professional Rescuer, and Standard First Aid.

WATER SAFETY SWIMMING LESSON INSTRUCTOR TRAINING

Prerequisite: 16 years old by June, instructor approval and application

Credits: .5 elective

Must pay \$35 fee for certification and \$50 for books.

This course is designed for students who wish to work with youth in an aquatic environment. Students will be required to have near perfect attendance, set learning objectives, develop lesson plans, teach specific water safety material, and demonstrate leadership skills by being a role model to younger students. Students will receive instructions and training from the aquatic director. Daily in-water participation is mandatory. Includes certification in Water Safety Instruction.

HEALTH 1

Prerequisite: 9th grade standing

Credits: .5 Health

This course emphasizes self-responsibility and good decision making to promote life-long wellness. Topics covered include consumer health, environmental health, safety, mental health, alcohol, tobacco and other drugs, as well as an introduction to nutrition, growth and development and reducing the risks of disease.

HEALTH IN RELATIONSHIPS

Prerequisite: 11th or 12th grade standing

Credits: .5 Health

Topics for this course include personal preparation for relationships, practical communication skills, and conflict resolution as they apply to a variety of relationships, including parent/child, siblings, dating and marriage.

ANATOMY & PHYSIOLOGY

Prerequisite: 11th or 12th grade standing, Biology grade of B or better or instructor approval

Credits: .5 Health

Anatomy and physiology is an excellent class for those students interested in a career in the Health Services area, or for students wanting a better understanding about how the body works. The course begins with learning about how an organism begins life through development and continues with learning about basic structure and function of body systems. The body systems studied include the skeletal, muscular, circulatory, respiratory, nervous, digestive systems. In order to study the anatomy and physiology of the various systems, students will participate in several dissection labs. Many other labs will be geared toward helping students understand how their own body works. \$10 fee for this course.

INTRO TO HEALTH OCCUPATIONS

Prerequisite: 11th or 12th grade standing, completion or enrollment in Anatomy

Credits: .5 Health

This course is designed for students interested in exploring/entering the health career field. In class instruction will give the student an opportunity to learn and gain a hands-on overview of concepts basic to all health care workers, technical skills and principles in health care, work habits for health care providers, and basic medical terminology. Units include microbial diseases and sterile techniques, vital signs, medical ethics, the business of medicine, anatomy and physiology, and health care career explorations. \$10 fee for this course.

Recommended prerequisites: Anatomy/Physiology, Chemistry, and Health 1 classes.

HEALTH OCCUPATIONS ROTATIONS

Prerequisite: A or B in Health Occupations and completion of application process

Credits: .5 Health

LBCC Credit for 1st Aid/CPR available through College Now

Work experience will give the student the opportunity to apply skills and concepts learning in the Introduction to Health Occupations class. The opportunity to observe and assist health care providers will be structured through tours, speakers and work site observation rotations. Students will also receive First Aid and CPR certification. Students must provide their own transportation. \$10 fee for this course. **Course requirements include proof of insurance and an up-to-date immunization record. Students will also be required to pay for medical screenings, such as a TB test. Class size may be limited and students may have to complete an interview process.**

FAMILY & CONSUMER STUDIES PROGRAM

TODAY'S FOODS

Prerequisite: None

Credits: .5 Applied Art

Today's Foods will focus on the basics of food principles and nutrition. Units of study will include kitchen safety and sanitation, basic kitchen tools and equipment, measurement skills, culinary terminology, basic cooking principles, and nutrition. **\$25.00 lab fee per trimester.**

FOODS 2 (pending PSD Board approval)

Prerequisite: Today's Foods

Credits: .5 Applied Art

Foods 2 will focus on the planning and preparation of foods quickly, economically, and nutritionally for individuals and families in our fast-paced world. Students will advance their knowledge of the food industry, culinary terminology, and advanced cooking principles, through demonstrations, food cooking labs, course lectures, and guest speakers. **\$25.00 lab fee per trimester.**

CULINARY ARTS 1

Prerequisite: Today's Foods, Foods 2. A or B grade in Foods 2 and Instructor Approval.

Credits: 1.0 Applied Arts

LBCC Credit: Food Safety & Sanitation

This class uses the ProStart program as its main curriculum. Within this context, students will study a variety of food preparation techniques as well as basic business management skills used in the restaurant and food service industry. Through classroom instruction, labs, guest speakers, field trips, and work with a mentor chef, students will develop their culinary knowledge and skills... **\$50 lab fee.**

CULINARY ARTS 2 (not offered 2018-2019)

Prerequisite: Today's Foods, Foods 2. A or B grade in Foods and Instructor Approval.

Credits: 1.0 Applied Arts

LBCC Credit: Food Safety & Sanitation

This class uses the ProStart program as its main curriculum. Within this context, students will study a variety of food preparation techniques as well as basic business management skills used in the restaurant and food service industry. Through classroom instruction, labs, guest speakers, field trips, and work with a mentor chef, students will develop their culinary knowledge and skills... **\$50 lab fee.**

CHILD DEVELOPMENT

Prerequisite: None

Credits: .5 Applied Art

This class will cover topics relating to children such as child development, guidance, play, nutrition, safety, and interacting with children. As part of the course, we will offer a preschool for three- to five-year-olds in the community to give students opportunity to work with children and gain experience in planning and implementing age appropriate activities.

ADV. CHILD DEVELOPMENT

Prerequisite: Child Development

Credits: .5 Applied Art

This class is offered for the student who is motivated to plan curriculum and teach in the preschool as well as complete independent study projects related to children. As part of the course, we will offer a preschool for three- to five-year-olds in the community to give students opportunity to work with children and gain experience in planning and implementing age appropriate activities.

CADET TEACHER

Prerequisite: Teacher Approval

Credits: .5 Applied Art

This experience is for the student who is interested in working with other students and teachers at the primary or elementary school level. The activities depend upon the nature of the class. It is an excellent opportunity for the student who is interested in a teaching career.

PERFORMING ARTS PROGRAM

JAZZ BAND

Prerequisite: Instructor Approval

Credits: 1.20 Applied Art for the year or .4 for each trimester

This year-long course is available by audition only. Held "0" period (7:00am – 7:55am), this one-year credit graded class **requires outside practice and performance**. This course focuses on various jazz styles and performance techniques. The PHS Jazz Band performs at least three concerts, contests, numerous school and community events, and is the featured ensemble at the communities annual Salmon and Jazz Rotary fundraiser. As part of the PHS Pep Band, students also perform at all home football games and selected boys and girls home basketball games. Students are encouraged to take private lessons and parents are encouraged to participate in the Music Booster Club. PHS Jazz Band members will need to purchase and wear a specified performance outfit - there may be additional costs when participating in this ensemble.

WIND ENSEMBLE

Prerequisite: None

Credits: .5 Applied Art for each term taken

The Wind Ensemble is PHS's premier instrumental ensemble. The Wind Ensemble performs in at least three concerts during the year as well as at various music festivals/contests. The Wind Ensemble combines with the Jazz Band to make-up the PHS Pep Band – this band performs at all home football and at least 10 home basketball games during the year. Wind Ensemble members will have the opportunity to perform a wide variety of music that focuses on technique, rhythmic precision, and the development of a mature sound. Students are encouraged to take private lessons and parents are encouraged to participate in the Music Booster Club. Wind Ensemble members will need to purchase and wear a specified performance outfit - there may be additional costs when participating in this ensemble.

PERCUSSION ENSEMBLE

Prerequisite: None

Credits: .5 Applied Art

The Percussion Ensemble is a performance-based class that will perform with the Wind Ensemble at concerts, competitions, and sporting events. This ensemble challenges the students' musical abilities through performance of some of the newest high school band and percussion ensemble literature written today. Participation in marching/pep band is required.

CONCERT CHOIR

Prerequisite: None

Credits: .5 Applied Art for each term taken

Students in Concert Choir should make every attempt to make this course a full year commitment. Concert choir is for serious vocal musicians; outside practice is expected. Choir members will learn advanced vocal and choral technique, music reading and sight-reading skills. This SATB choir performs in at least three concerts per year, as well as 2/3 festivals/contests per year, and at special community functions. This choir also sings the national anthem at selected athletic events. Students are encouraged to take private lessons and parents are encouraged to participate in the Music Booster Club. There may be additional costs when participating.

GUITAR

Prerequisite: None

Credits: .5 Applied Art

Beginning Guitar will instruct students on various performance practices related specifically to the guitar. Topics covered will include (but not be limited to) parts of the guitar, tuning, chords, strumming, fingering, note reading, and basic music theory. Students will perform one nighttime group concert during the term. Students will need a guitar for this class.

MUSIC THEORY

Prerequisite: 10th grade standing

Credits: .5 Applied Art

Elevate your understanding and ability to read and write musical notation. The foundation of this course is to develop your ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a music. To achieve these goals, this course will address aural, analytical, and compositional skills through both listening and written exercises. Once this foundation is established, the course will progress to include creative tasks.

THEATRE ARTS

Prerequisite: None

Credits: .5 Applied Art for each term taken

This course focuses on the world of theatre, with study in the areas of: theatre orientation, careers, safety, theatre history, play reading, performance and production analysis, acting and auditioning, and various aspects of technical theatre (lighting, makeup, sound, costuming, stage and scene design, and props). Beginning students will be part of a cohort (between 3-5 students) led by advanced theater arts students. These leaders will assist the teacher in coaching workshops and performance lab sections of the class. Students will audition for acting and technical positions in the student-directed (Theatre 4) one-acts presented in the studio theatre and crew positions in the mainstage production. Students will perform varied scripts, participate in acting activities, memorize and perform an in-class monologue and scene (options for public performance), and present an in-class technical demonstration and design, in addition to attending a university/ professional and/or local high school production when available. This course will include substantial class participation in dynamic activities and discussions, reading, writing, speaking, performing, and hands-on work in technical theatre

VISUAL ARTS PROGRAM

INTRO TO ART

Prerequisite: None

Credits: .5 Applied Art

This course gives students a solid foundation in art: drawing, the elements of design, ceramics, art history, art criticism, and a chance to study a wide variety of artists, styles and media including pencil/graphite, printmaking, clay, acrylic painting, scratchboard and paper collage. This is an excellent course to give students a thorough understanding of visual communication and personal expression. An important thought: Students who take art courses score higher on the SAT tests! (On average 59 points higher in verbal and 44 points higher in math. Elizabeth Murfee) **\$15.00 supply fee**

DRAWING AND PAINTING

Prerequisite: None

Credits: .5 Applied Art

This course gives students a solid foundation in: drawing, painting, color theory, the elements of design, art history, art criticism, and a chance to study a wide variety of artists, styles and media including pencil/graphite, charcoal, color pencil, watercolor, and acrylic painting. This is an excellent course to give students a thorough beginning of acquiring the skills of drawing and painting and build on students' problem solving abilities. **\$15.00 supply fee**

CERAMICS

Prerequisite: None

Credits: .5 Applied Art

This course gives students the opportunity to spend an entire trimester with their hands in clay! The class covers the basics of hand building including the pinch, coil, slab, and slump methods. It also gives students a chance to try ceramic sculpture, and create a wide variety of clay projects. No previous art courses or experience with clay is necessary. **\$20.00 per trimester**

ART AND DESIGN (NOT OFFERED 2018-2019)

Prerequisite: None

Credits: .5 Applied Art

~~This class builds on the knowledge gained in Intro to Art, but can be taken without it. Students continue in their study of design basics, and experiment with sculpture, markers, colored pencils, calligraphy, watercolor, and more clay. Students are encouraged to find their own answers to problems that are posed, rather than having the "right" answer. **\$15.00 supply fee**~~

2>1 COLLABORMAKE! (pending PSD Board approval)

Prerequisite: None

Credits: .5 Applied Art

"It is the long history of humankind (and animal kind, too) that those who learned to collaborate and improvise most effectively have prevailed." – Charles Darwin

Two is greater than one. Collaborating is a 21st century skill that you will need to work with others in your future. This art course gives students the opportunity to form ideas in a collaborative journal/sketchbook, express ideas through drawings, paintings and 3-D sculptures. Just as artists do, students will research the work of other artists and have their art influence theirs. Students will learn from their mistakes and experimentations as they create art in this introductory art class. **\$15.00 supply fee**

ADVANCED ART

Prerequisite: 10th, 11th, or 12th grade standing, completion of Intro to Art or instructor approval

Credits: .5 Applied Art

Advanced Art is designed for two different groups of students: The first group is students who want to continue creating artwork, and exploring new artistic styles and media after completing the Introduction to Art class. The second is students who are interested in pursuing careers in art. Curriculum for both groups include drawing from the model, the introduction of advanced techniques and media, creating a piece of work that copies the style of a well-known artist, and development of the student's personal style. Career-track students build a portfolio which meets entrance requirements for most art schools. Visits to local museums, guest artists and art school speakers are also part of the course. **Course may be repeated as curriculum changes each year. \$15.00 per trimester.**

INDEPENDENT STUDY OF ART OR CERAMICS

Prerequisite: 11th or 12th grade standing and Instructor approval

Credits: .5 Applied Art

Students who have completed all offered Art courses and with the permission of the instructor are able to take an independent study in which they are in charge of the ideas for their projects. Pieces and artist statements are due every week, and grading standards are high. Students are also required to display their work in a solo show during the term. **\$15.00 per trimester for Art, \$20.00 for Ceramics**

COMPUTER/TECHNOLOGY PROGRAM

*****Computer Apps, Web Design, Desktop, Graphic Design and Intro to Business courses have a one-time \$25 fee per year.**

COMPUTER APPLICATIONS

Prerequisite: None

Credits: .5 Technology

LBCC Credit available through College Now

Build computer skills and learn to format a variety of documents using Microsoft Office software, including business letters, spreadsheets, and presentations. Students use and apply their knowledge and skills in integrated, real-world business activities. **\$25 fee**

WEB DESIGN BASICS WITH HTML

Credits: .5 Applied Art/Technology

LBCC Credit available through College Now

Learn the basics of designing and creating web sites using basic HTML and web editors. Each student will design and create a web site following basic design principles using web editing software **\$25 fee**

DESKTOP PUBLISHING

Credits: .5 Applied Art/Technology

Learn basic design principles and the use of desktop publishing software to produce professional-looking publications including newsletters, flyers, signs, and brochures to magazines, books and catalogs, and more. Put your computer skills to use and get real-world practice as a desktop publisher for a pizza business or as a leader of a band in a simulation that will challenge your design and layout skills through a wide variety of documents. **\$25 fee**

BROADCAST MEDIA PRODUCTION

Prerequisite: None

Credits: .5 Applied Art/Technology for each term taken

Students will produce announcements daily and will also have the opportunity to produce reports on school and community activities in a timely manner.

GRAPHIC DESIGN

Prerequisite: 10th, 11th, or 12th grade standing, completion of Desktop Publishing or Web Design

Credits: .5 Applied Art/Technology

This course covers the principles of design and general layout procedures. Content will cover electronic systems and software programs used in graphic design, page composition, image conversion, and digital printing. Students will explore design programs, which will include, an image-editing program that makes it possible to produce high-quality digital images and manipulate scanned images. This course will familiarize students to the basic functions and tools a graphic design programs can offer and challenge them to use these tools with creative projects. **\$25 fee**

HELP DESK

Prerequisite: 11th or 12th grade standing, application process

Credits: .5 elective

The Philomath High School Helpdesk provides "quick help" computer support to Philomath school district faculty, staff, and students. Our student consultants are your first point of contact for computer, mobile device and software problems and questions.

YEARBOOK

Prerequisite: Instructor Approval

Credits: .5 Applied Art/Technology each term

A production course in design, layout, and elements pertaining to yearbook production. This class will design and organize materials for the current high school yearbook. Creative writing abilities and computer skills are important criteria for this class.

MEDIA TECHNOLOGY – INDEPENDENT STUDY

Prerequisite: 10th, 11th, or 12th grade standing, completion of Desktop Publishing or Web Design.

Credits: .5 Applied Art/Technology

This course allows students to apply some of the methods/theories/tools learned through online tutorials, textbooks and design projects. Students with an interest in media and technology can take advantage of a diverse set of courses, independent studies with media and technology where they will explore one of the programs available in Adobe.

MEDIA TECHNOLOGY – WORK EXPERIENCE

Prerequisite: 10th, 11th, or 12th grade standing, completion of Desktop Publishing or Web Design. Pre-approval by instructor

Credits: .5 Applied Art/Technology

Students will work on community projects/tasks at school or within the community. Depending on the scope of the project, the faculty supervising the study may require additional work from the student to generate deeper/broader insights from the student's experience. This might entail some additional readings, analysis or the writing of a short paper.

BUSINESS PROGRAM

INTRODUCTION TO BUSINESS

Prerequisite: None

Credits: .5 Applied Art

Students in Intro to Business will participate in a business simulation called **Mean Jeans**. Mean Jeans is a workflow simulation based on the operations of an imaginary small business community. Each student will act as the manager of a business where they will write checks, balance a checkbook, create invoices, and participate in a variety of other business activities. This class serves as an introduction to other business courses students may take either in high school and/or college.

INDUSTRIAL & ENGINEERING SYSTEMS PROGRAM

MANUFACTURING TECHNOLOGY 1

Prerequisite: None
Credits: .5 Applied Art

LBCC Credit available through College Now

Students will learn shop and industry safety, tool identification, measuring and layout, basic wood working equipment and operations, basic sheet metal equipment and operation and oxy-acetylene welding, cutting torch, gas metal arc welding, and basic fabrication. A series of small projects will be built following a set of plans upon mastery of basic fabrication skills. Career opportunities and applications of welding and manufacturing are explored. Lab fee: \$15 per trimester. **Fee assessed in advance for any material used for personal projects unless material is donated.**

MANUFACTURING TECHNOLOGY 2

Prerequisite: Manufacturing Technology 1
Credits: .5 Applied Art

LBCC Credit available through College Now

Students will learn shielded metal arc welding, out of position wire welding, advanced blueprint reading, and build upon the basic fabrication skills learned in manufacturing Technology. Students will participate in manufacturing production activity, building and selling custom designed benches. Lab fee: \$15 per trimester. **Fee assessed in advance for any material used for personal projects unless material is donated.**

MANUFACTURING TECHNOLOGY 3

Prerequisite: Manufacturing Technology 2 and Drafting 1 or by teacher approval
Credits: .5 Applied Art

LBCC Credit available through College Now

Students will learn to arc weld in the vertical, horizontal, and overhead positions. Furthermore, students will learn to operate a CNC Plasma Table, including machine set-up, and part design. Students will work on class and personal projects such as trailers, tables, arbors, benches, bumpers, brush guards, and more. Lab fee: \$15 per trimester. **Fee assessed in advance for any material used for personal projects unless material is donated.**

DRAFTING 1

Prerequisite: None
Credits: .5 Applied Art

This course is designed to introduce the student to drafting design and basic engineering principles while exploring career opportunities and applications in the drafting and engineering fields. Students will learn technical sketching, AutoCAD 2014, Cubit design software and will use the design software to create 3D printed models of their projects. Lab fee: \$15 per trimester. **Fee assessed in advance for any material used for personal projects unless material is donated.**

MECHANICAL DESIGN & CNC Operations

Prerequisite: Drafting 1
Credits: .5 Applied Art

Students will learn and use AutoCAD, Inventor, MasterCAM and Cubify to create 3D models and designs which will then be applied to the following: CNC Computer Aided machining (CAM), CNC Plasma cutting and 3D printing. All of these processes are industry standard manufacturing processes with real world applications. Lab fee: \$15 per trimester. **Fee assessed in advance for any material used for personal projects unless material is donated.**

ADVANCED PROJECTS

Prerequisite: 11th or 12th grade standing, Man Tech 3 and Drafting 1 or by teacher approval
Credits: .5 Applied Art

This class is for the student who is motivated to work on independent projects in the Industrial and Engineering area. Students will also participate in a manufacturing, production class project. Lab fee: \$15 per trimester. **Fee assessed in advance for any material used for personal projects unless material is donated.**

MACHINE TOOL 1

Prerequisite: 10th, 11th or 12th grade standing
Credits: .5 Applied Art

This course will enable students to create metal parts using various machine tools and equipment. Course content may include interpreting specifications for machines using blueprints, sketches, or descriptions of parts; Computer Aided Design (CAD) and Computer Aided Machining (CAM); preparing and using lathes, milling machines, shapers, and grinders with skill, safety, and precision; developing part specifications; and selecting appropriate materials. Lab fee: \$15 per trimester. **Fee assessed in advance for any material used for personal projects unless material is donated.**

ADDITIONAL/SUPPORT COURSES

PERSONAL FINANCE

Prerequisite: 12th grade standing
Credits: .5 Personal Finance

Personal Finance focuses on the student's role as a consumer in today's society. The intent is to help students understand the basics of financial responsibility and decision-making. The following areas are covered: 1) banking, 2) budgeting, 3) saving & investments, 4) credit and debt, 5) payments, withholdings and taxes, 6) housing, 7) insurance, 8) automobiles, and 9) consumer protection.

SENIOR PROJECT LAB

Prerequisite: Senior Standing
Credits: .25 elective

This class meets during 1st trimester during 1st period. This class is designed to help seniors navigate the senior project. Seniors will meet one day a week with the teacher and then be given time the rest of the week to work on their project. Seniors who complete their project over the

summer and are ready to present their project when school starts do not have to take this class. Besides the senior project, seniors will also work on post-high school planning.

ENGLISH LANGUAGE LEARNERS (ELL) LAB

Prerequisite: Placement in ELL

Credits: .5 elective

This class is designed to help students learning to speak English. The instructor will work with other teachers of each student to assist in designing a program for successful completion of each course, including designing assignments that are appropriate and challenging for each student.

FUNCTIONAL ACADEMICS AND FUNCTIONAL SKILLS

Prerequisite: Current IEP

Credits: .5 elective

In order for students to participate in these courses, they must be referred, evaluated, and tested for special education. A student must be found eligible to receive specially designed instruction. If a student is determined to be eligible for special education, an Individual Education Program (IEP) must be written, implemented, and evaluated on an annual basis.

TRANSITION READINESS (pending PSD board approval)

Prerequisite: Current IEP

Credits: .5 elective

This course will provide students with the basic transition skill set necessary to enter the Youth Transition Program (YTP). An individual student's needs will be addressed through employability skills, career path, money management, self care, community resources, time administration, and social interactions. Students will learn while running the school based business.

AIDE OFFICE

Prerequisite: Office approval

Credits: .5 elective

This class offers practical experience in office work. Students perform, but are not limited to, the following duties: delivering to classrooms, running errands, answering the telephone, greeting visitors, basic keyboarding and filing, keeping work room clean, and other jobs as assigned. Confidentiality is an important aspect of this class.

AIDE LIBRARY

Prerequisite: Librarian approval

Credits: .5 elective

This class gives exposure to basic library functions: filing, shelving materials, preparation of materials, and book repair. Emphasis is placed on understanding the workings of the library and customer service. Students will receive exposure to library computer programs, automation, CDs, and audiovisual training.

AIDE TEACHER

Prerequisite: Instructor approval

Credits: .5 elective

This class gives the student the opportunity to work closely with a teacher to support the teaching process. Duties may include clerical work, setting up equipment, running errands, working with students, and cleaning up the room at the end of the class.

AIDE COUNSELING CENTER

Prerequisite: Counselor or Registrar approval

Credits: .5 elective

The student will deliver messages, do filing, copying, and other jobs that the counselors or registrar may assign. Confidentiality is the most important aspect of this class.

PHILOMATH ALTERNATIVE EDUCATION ACADEMY

Prerequisite: Counselor interview and contract

Credits: various depending on need

This class meets after the regular school day. This class is designed to help students who are not successful in a regular education classroom. Students work independently on earning credits that they are deficient in for graduation. Students who are admitted in the Philomath AEA program are placed on an attendance and work contract. The class size is limited. Students will be placed on a waitlist until they are admitted to the program.

DRIVER EDUCATION

Prerequisite: Permit and payment of \$275

Credits: .25 elective

Driver Education is an elective course consisting of thirty hours of classroom work, six hours of behind the wheel driving and six hours of driving observation. It is designed to improve a young driver's knowledge of and attitude toward driving. Through lectures, discussions, videos, student interactions, role playing and guest speakers, students will learn the rules of the road as well as the hazards and responsibilities of owning and driving an automobile. The twelve hours of behind the wheel driving and observation are designed to improve the student's ability to handle the car in different driving environments. With successful completion of the class work and the behind the wheel driving, each student will receive an ODOT card of completion. This card can be presented to Oregon DMV and will be accepted by them as counting for 50 of the 100 hours of practice driving needed to qualify for an Oregon Driver's License. And the completion card will take the place of the behind the wheel driving test for your Oregon License. Currently the fee is \$275. An Oregon Learner's Permit is required. **Students are not enrolled in this course until Registration in August AFTER they have paid \$275 and show their permit. An additional fee of \$200 will be charged if a student has their license or attains their license before the class ends or if the student turns 18 before the end of the class.**