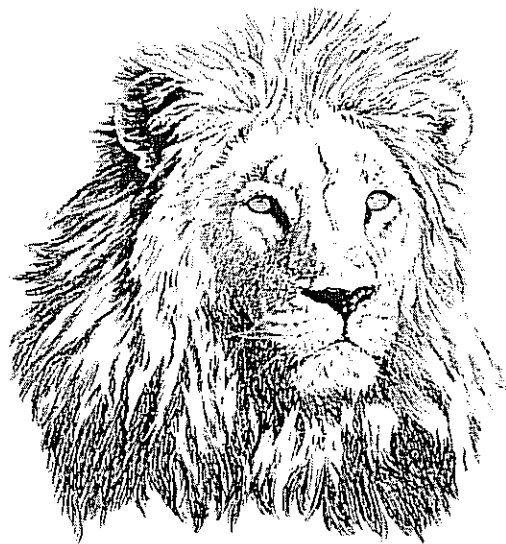


*LIFEGATE*  
*CHRISTIAN*  
*SCHOOL*

*An Inter-Denominational School Serving the Harrisburg,  
Eugene/Springfield Area*

*Pursuing Academic Excellence  
In a Christian Environment*



## **Planning Your High School Program of Courses**

The primary purpose of this document is to help in planning your son/daughters high school program to help them to prepare for college or university after high school. The student needs to consider carefully which courses they must take each year in order to fulfill that specific college or university's admission requirements. It is advisable that both the student and the parent read this catalog together before making class selections. The Guidance Counselor is an excellent place to start finding information about the school you may attend after high school. For your convenience the course requirements for admission to Oregon State and University of Oregon are listed on a later page in this document.

It should be noted that course offerings are determined by enrollment and are not always available every term. If a minimum number of students do not enroll in a scheduled class, the school may cancel that class.

It is also noteworthy that other courses may be offered that are not listed in the Course Description section at the end of this document. Some courses may be provided based on demand, such as Spanish 3. In addition new electives may be created and older ones retired.

### **Honors Classes**

Honors classes are available for selected subjects. Honors classes prepare the student to take the AP exam for that subject.

### **CRLE (Career-Related Learning Experience)**

The CRLE requirement prepares students for post high school in college, career, military and ministry fields. Every year students perform activities to satisfy this requirement including researching college, career, military and ministry opportunities, taking career aptitude and college readiness tests, and performing community service hours which is .125 cr. earned each year at Lifegate Christian School.

### Lifegate Graduation Requirements and Example Course Schedule

The following lists the requirements for graduation from Lifegate and also an example 4 year course plan to achieve these requirements. The sample shown would be appropriate for a student planning to attend a school in the Oregon University System. Other course plans are also possible. This example plan also illustrates several other important points to consider, as follows.

Bible- 1 credit per year of attendance at Lifegate

Phys. Ed.- The PE credit can be satisfied through a standard PE course, certain electives, or team sports. This credit may be earned in 1 year or across several years as shown here.

Electives- These credits are earned as they fit in the student's schedule. Note that in this example the student took extra math, science and social studies, indicated by the (+1) which counted toward 3 elective credits

CRLE- This is an ongoing yearly requirement as described previously.

Other- Most courses are taken in the grade level shown here as this results in minimum schedule conflicts.

### Example Course Plan for College –Bound Student

Lifegate Graduation Requirements	
Subject Category	Credits
Bible	4
Language Arts	4
Mathematics	3
Science	3
Social Studies	3
Foreign Language	2
Physical Education	1
Health	1
Worldview	1
Electives	4
CRLE	.05
<b>Totals</b>	<b>26.5</b>

9 <sup>th</sup> Grade	CR	10 <sup>th</sup> Grade	CR	11 <sup>th</sup> Grade	CR	12 <sup>th</sup> Grade	CR
Course		Course		Course		Course	
Bible 9	1	Bible 10	1	Bible 11	1	Bible 12	1
English 9	1	English10	1	English 11	1	English 12	1
Algebra 1	1	Geometry	1	Algebra 2	1	Pre-Calculus	1
Phys. Science	1	Biology	1	Chemistry	1	Physics	1
Ancient Civ.	1	Mod. World Hist.	1	US Hist.	1	US Gov./Econ	1
		Spanish 1	1	Spanish 2	1		
PE	1						
Health	1						
Electives	1	Elective	1	Elective	1	Elective	1
CRLE	.125	CRLE	.125	CRLE	.125	CRLE	.125
<b>Total</b>	<b>8.125</b>		<b>7.125</b>		<b>7.125</b>		<b>6.125</b>

## Typical Admission Requirements for Oregon Universities

Class credits from high school are one important factor considered for acceptance into a university. Credit requirements for U of O and OSU are listed here. While course credit requirements are essentially the same, other admission requirements may vary from school to school so that you should check their websites for specific details.

### Oregon State University

slightly altered copy from <http://oregonstate.edu/admissions/main/admission-requirements-1>

College Preparatory Subjects	Minimum units	Grades received must be C- or above in each class.
English	4 years	
Mathematics	3 years	Culminating at the Algebra II level or higher
Social Studies	3 years	
Science	3 years	At least one year each of two different sciences (Biology, Chemistry, Physics, etc.)
Foreign Language	2 years	<i>For most students this requirement is met by taking 2 credits in high school, however there are other paths to meet this requirement.</i>

### University of Oregon

copied from <http://admissions.uoregon.edu/requirements>

- English—4 years. All four years should be in preparatory composition and literature with emphasis on and frequent practice in writing expository prose.
- Mathematics—3 years. Must include first-year algebra and two additional years of college-preparatory mathematics, including Algebra II (or equivalent) or higher. An advanced mathematics course is highly recommended in your senior year. Algebra and geometry taken prior to ninth grade are acceptable.
- Science—3 years. Must include a year each in two fields of college-preparatory science such as biology, chemistry, physics, or earth and physical science. One year of laboratory science is recommended.
- Social Studies—3 years. Complete three years of social studies from such areas as global studies, history, or social studies electives.
- Second language—2 years. The U of O offers several options for meeting the second-language requirement.

## **COURSE DESCRIPTIONS**

### **Bible**

Bible is required for all 4 years of High School and students earn 1 credit per year. All Bible classes are structured around the inspired Word of God and taught in a manner where students are able to research and discover who God is in class and apply it to their daily life to develop a closer walk with him.

### **Language Arts**

#### **English 9**

This course covers a wide spectrum of English skills including writing, speech, vocabulary, grammar, literary elements, beginning literary analysis, and basic study skills. This is an entry level course which prepares students for more advanced English classes and stresses the importance of communication and comprehension in our everyday lives as well as our academic pursuits. This course includes a large term project requiring thorough research, a large written component, and a presentation given in front of the entire student body.

#### **English 10**

English 10 builds on and reviews skills taught in English 9, including grammar, vocabulary, writing, speech and literary analysis. Further development of literary skills will focus on imaginative comparison, syntax, thematic analysis, literary modes and forms. Writing will focus on short story and essay writing. This course includes a large term project requiring thorough research, a large written component, and an oral presentation with visual aids given in front of the entire student body.

#### **European Literature/ Honors Lit.**

This is an 11<sup>th</sup> and 12<sup>th</sup> grade English course with a focus on analysis and communication. Students read and analyze European classics, write critical essays, and defend positions based on their research and understanding of information. This class prepares students to look at information in a way necessary for college. Juniors in this class are required to complete a large term project. An honors section is available which prepares students for the AP Literature and Composition test.

#### **American Literature/ Honors Lit.**

This is an 11<sup>th</sup> and 12<sup>th</sup> grade English course with a focus on analysis and communication. Students read and analyze American literature, write critical essays, and defend positions based on their research and understanding of information. This class prepares students to look at information in a way necessary for college. Juniors in this class are required to complete a large term project. An honors section is available which prepares students for the AP Literature and Composition test.

# **MATHEMATICS**

## **Algebra**

Prerequisite: Qualifying score on math assessment

Algebra 1 aims to develop understanding and computational skills using the real number system. A variety of functions are explored with emphasis on linear and quadratic functions. Relevant problems are solved with the use of appropriate technology.

## **Geometry**

Prerequisite: Algebra 1

The study of geometry includes experiences and activities that relate to the value of geometry in life. Emphasis is placed on reasoning skills, and two- and three dimensional modeling to solve problems, both mathematical and real –world. Topics include the relationships between points, lines and planes, the axiomatic systems, logical thinking and proof-writing, measurement, including area and volume, congruency, similarity, two and three dimensional geometric figures, parallel and perpendicular lines, the coordinate plane and the Pythagorean Theorem.

## **Algebra 2/ Trigonometry**

Prerequisite: Algebra 1 (Geometry also recommended)

Algebra 2 reviews topics from Algebra 1 and goes into greater detail covering linear and quadratic functions. Other topics covered are powers and roots, complex numbers, conic sections, exponential and logarithmic functions, and an introduction to trigonometry.

## **Pre- Calculus**

Prerequisite: Algebra2/ Trigonometry

Topics from Algebra are looked at from the perspective of function analysis with an eye toward application to calculus. Topics include polynomials, rational functions, trigonometric concepts and functions, vectors, complex variables and the exponential and log functions.

## **Calculus**

Prerequisite: Pre Calculus

Calculus covers the concepts of limits, derivatives, definite integrals, indefinite integrals and their applications.

## **SCIENCE**

### **Physical Science**

This course is a general survey of the physical sciences that stresses basic concepts and limitations of science, and through study of the basic principles of Physics, Biology and Chemistry, an understanding of God's building blocks for all creation. This course has a significant focus on student discovery and development of higher-level thinking and problem-solving using the scientific method within the framework of a Biblical worldview.

### **Biology**

Biology is devoted to the study of living things and their processes. This course provides an opportunity for students to look into the intricacies of God's creation and develop scientific process skills, laboratory techniques, and an understanding of the fundamental principles of living organisms. Students will explore biological science as a process, cell structure and function, genetics and heredity, classification, diversity of living organisms and their ecological roles, and an introduction to animal structure and function.

### **Health**

Health is a class designed to help build a foundation for a healthy life-style. This course will integrate the physical, mental, social and spiritual dimensions of life.

### **Chemistry**

*Prerequisite: Algebra I*

Topics of chemistry studied include atomic and molecular structure (basic quantum theory), mathematical problem-solving, the periodic table of the elements, stoichiometry, chemical bonding, solutions, acid-base chemistry.

### **Physics**

*Prerequisite: Algebra I and completion or concurrent enrollment in Algebra II / Trigonometry*

This course is a study of conceptual physics focusing on understanding how physical phenomena occur. The various laws of physics will be explored and explained as the bases for various physical interactions such as gravity, energy, heat, forces, velocity, momentum, electricity, waves, etc.

## **SECOND LANGUAGE**

### **Spanish 1**

Together we explore the Spanish language, and cultures of Spanish-speaking countries through activities, games, stories, movies, projects and more. Students develop their ability to understand native spoken and written Spanish and increase their skill at expressing themselves in basic situations. Listening comprehension and reading are the foundation for learning a foreign language.

## **Spanish 2**

*Prerequisite: Spanish 1*

Spanish 2 continues the same learning strategies Spanish 1 but with deeper development while also introducing more conversational skills.

## **SOCIAL SCIENCE**

### **Ancient Civilizations**

This course examines major historical events from a Christian worldview and is designed to give an understanding of how these events have affected, enriched, and determined current situations in our world today. Emphasis is on the development of Western Civilization up through the fall of the Roman Empire. Corresponding geographical studies are included.

By studying history, students have the opportunity to view life beyond themselves, and to observe instances of cause and effect, and how they relate to their own choices in life.

### **Modern World History**

This course examines major historical events from a Christian worldview and is designed to give an understanding of how these events have affected, enriched, and determined current situations in our world today. Emphasis is on the era of history from the Middle Ages up into Modern Day history. Corresponding geographical studies are included.

### **US History**

This course surveys the history of the United States from discovery and colonization to the present, taught from a Christian perspective. A major focus is an appreciation for our nation's founding, development, and value systems, including the influence of our Judeo-Christian heritage.

### **US Government**

This course focuses on the origins and the workings of the United States Governmental System. Students compare types of governments, trace the history of the United States Government from its early roots, and learn the specifics of how this government operates today. Students are challenged to look for facts rather than opinion when making political decisions and encouraged to think about and perform their civic duty both as citizens and as Christians.

### **Economics and Personal Finance**

Economics introduces seniors to the concepts and working of economic systems. A focus is placed on the concepts of Microeconomics followed by an introduction to Macroeconomics. Personal Finance applies the concepts learned in Economics to the students' lives. Students are taught how to manage their finances in responsible and godly ways.

### **World View**

World View is a required senior course and is designed to enable students to understand and analyze five other basic world views present in our current society including Islam, Secular Humanism, Marxist/Leninism, Cosmic Humanism and Postmodernism, and compare them with Biblical Christianity. In such a comparison students will seek the logical patterns which follow each world view, discern inconsistencies, and find the truths.



## **ELECTIVES**

### **Visual and Performing Arts**

#### **Art – Drawing**

The focus of this class will be to learn to observe and translate our observations onto paper. Basic drawing skills will be taught and practiced using pencil, charcoal, and pen and ink. Principle of design will also be discussed and applied to a variety of class projects. Students will be required to bring their own drawing pencils and a sketchbook, with some out of class drawing required.

#### **Art – Painting**

Watercolor and acrylic media will be used to create several projects. While a representational style will be emphasized, some abstract exercises will also be explored. Students will be required to bring their own watercolor sketchbooks, a small set of tube watercolor paints and at least 1 quality brush, (specifics will be shared during the first class).

#### **Journalism – Yearbook**

The focus of journalism will be to produce the school yearbook. Journalistic skills involving photography, graphic design, typology, writing, business and organization will be taught and stressed. Students taking this class need to commit to a full year, understanding that some afterschool as well the first week of summer are also required, as well as participation in "Paw Shop", (the school snack store) are also required. Grades are based on completion of deadlines and attendance.

#### **Drama Fundamentals**

Drama Fundamentals teaches students the basics of acting on stage in a fun and high energy atmosphere. Students will learn how to adapt characters, express emotions, memorize scripts, and work with other actors. While not a prerequisite for Production Drama, it is a recommended course for students who desire to be in the Spring Production.

#### **Advanced Drama**

This course is for the more serious actor. Students will refine the skills learned in Drama Fundamentals. This class focuses on detailed character work and the preparation of the actor. This class is not a prerequisite for Production Drama.

#### **Concert Choir**

Students explore the world of music through song while working toward a concert presentation of the studied material. There will be a Winter and Spring Concert as well as occasional smaller concerts. The repertoire could include selections from genres such as hymns, gospel, jazz, pop, medleys and others.

#### **Video Making and Editing**

Students learn how to create more interesting and compelling video through storyboarding, shooting technique and the art of editing. Rather than mindless point-and-shoot, students learn to plan their shots and angles for continuity and interest. Camera techniques include good lighting, white balance, camera angles and motion, etc. Editing techniques include cuts and

transitions, and special effects which may include green screen. Students are expected to create several video projects.

## **Other Electives**

### **Physical Education**

A number of different Physical Education electives are offered throughout each school year including such classes as diverse as Volleyball and Weight Training. Specific courses are announced at the beginning of each term.

### **Culinary Arts**

This course provides a working knowledge of classical culinary techniques through lecture and hands-on experience; 80% hands-on and 20% classroom/theory. Students learn basic skills through instruction and practice in sanitation, hot food production, meat identification and fabrication, pantry, breakfast cookery, purchasing, and basic culinary skills, as well as baking, pastries and table service. Students operate a school-based lunch program that provides experiences in menu selection, meal preparation, and management.

### **Microsoft Office**

Prerequisite: Recommended completion or concurrent enrollment in Algebra 1

This course covers the basics and some of the finer points of using MS Word, Excel and PowerPoint. The Word portion includes more advanced topics as tables, headers, footnotes, index generation and the use of styles. The Excel portion covers the basics and delves into charts and applications requiring programming cells with formulas. The PowerPoint portion examines the different features and options available for effective presentations.

### **Shakespeare**

The works of William Shakespeare are too numerous to read over the course of a normal high school education. This course is for the Shakespeare lover who wants to experience more of the Bard's work. Students will read three plays, write one paper, and do one paper... and there may be sock puppets.

### **Creative Writing**

In this writing workshop students will learn basic creative writing concepts as well as spend time writing in class. The students will produce a 10-20 page short story over the course of the quarter. While new writers are welcome, this class is recommended for students who truly enjoy writing.

*Head - Heart - Hands*



*Lifegate Christian School*

An inter-denominational school

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