

Graduation Requirements

Graduation requires taking 19.5 credits plus a religion credit for each semester enrolled. Among those 19.5 credits, you will need a minimum of credits for each of the core subjects:

English	4 cr.	Social Studies	3.5 cr.
Science	3 cr.	Mathematics	3 cr.

Determining Grade Point Average

All general courses will contribute to the grade point average (GPA) of a student's transcript based on a letter grade and number of credits earned based on a 4.0 system. Honors Classes will be awarded an additional 0.33 points to scores of C- and greater as shown in the chart below. Courses eligible for college credits included Advanced Placement and Post-Secondary Education Option courses will be awarded an additional 0.67 to scores of C- and greater as shown in the chart below.

TRADITIONAL GPA			HONORS GPA			AP and PSEO GPA		
Letter Grade	%	Grade points	Letter Grade	%	Grade points	Letter Grade	%	Grade points
A	100-96	4.00	A	100-96	4.33	A	100-96	4.67
A-	95-91	3.67	A-	95-91	4.00	A-	95-91	4.33
B+	90-88	3.33	B+	90-88	3.67	B+	90-88	4.00
B	87-85	3.00	B	87-85	3.33	B	87-85	3.67
B-	84-82	2.67	B-	84-82	3.00	B-	84-82	3.33
C+	81-79	2.33	C+	81-79	2.67	C+	81-79	3.00
C	78-76	2.00	C	78-76	2.33	C	78-76	2.67
C-	75-73	1.67	C-	75-73	2.00	C-	75-73	2.33
D+	72-70	1.33	D+	72-70	1.33	D+	72-70	1.33
D	69-67	1.00	D	69-67	1.00	D	69-67	1.00
D-	66-65	0.67	D-	66-65	0.67	D-	66-65	0.67
F	64-00	0.00	F	64-00	0.00	F	64-00	0.00

A student's GPA becomes an official part of their transcript after each semester is completed. Transcripts that are generated by West will show the cumulative GPA scores based on weighted scores.

COURSES OFFERED

Religion

God So Loved the World
Old Testament
Later Old Testament and the Life of Christ
Christian Doctrine and the Book of Acts
Christian Faith and Life

English

Fundamentals of English
Writing and Grammar
World Literature
Speech Communication
Written Composition
Honors English
Genres of Literature
PSEO/AP Literature and Composition

ESL

English as a Second Language I
English as a Second Language II
English as a Second Language III (College Preparation English)

Mathematics

Fundamentals of Algebra
Algebra I
Accelerated Algebra
Geometry
Advanced Geometry
Algebra II
Precalculus with Trigonometry
Advanced Mathematics
AP Calculus

Science

General Science
Introduction to Engineering
Biology
Chemistry in the Community
Honors Chemistry
Anatomy/Physiology
Physics

Engineering

Introduction to Engineering Design

Social Studies

Geography
Western Civilization
US History
AP US History
Political Science
PSEO World History
PESO American Government

Foreign Languages

Latin I
Latin II
Latin III
Latin IV/Advanced Languages
Spanish I
Spanish II
Spanish III
Spanish IV

Fine Arts

Fundamentals of Music
Concert Band
Concert Choir
Media Arts Fundamentals
Drawing and Painting

Physical Education/Health

Physical Education 9
Christian Health and Wellness
Human Performance I
Human Performance II

General Courses

Business
Accounting
Introduction to Psychology
PSEO General Psychology

Online/Independent Study

PSEO Online College Algebra
PSEO Online Statistics
PSEO Introduction to Mass Media
PSEO Music Appreciation
German I, II, III
Chinese I, II
American Sign Language I
AP Environmental Science
AP Computer Science
Astronomy
World Regional Geography (college credit)
Computer Graphics
Game Programming I, II
Introduction to Programming
Web Page Design
Creative Process
Da Vinci Club
Art and Architecture
Digital Photography

Religion

Students are enrolled in a religion course during each of their semesters at West. The courses listed below have been developed by the Religion department to build the student's knowledge of the Word of God. They also provide a forum for our students to ask the deep questions that come from the hearts of Christians who are building their faith.

For God So Loved the World

Grade Level: International Students and those with little experience studying the bible

Course Credit: One Credit

Prerequisite(s): none

Description: Students will examine various stories in Bible History and study basic doctrines of the church as presented in the Bible and interpreted by the various arms of the Christian church. Other topics include the early Christian church as it existed in Revelations, the development of the early church, the Reformation and post Reformation churches, and approaches to Bible interpretation.

Old Testament

Grade Level: 9

Course Credit: One Credit

Prerequisite(s): none. Normally taken on the freshman level

Description: This course covers Old Testament history from Creation to the reign of King David (Genesis through II Samuel). Emphasis is on the history of God's people in the Old Testament times with highlights on the Messianic promises. Practical presentations on topics such as Christian self-esteem, peer pressure, and dealing with conflict are given throughout the course.

Later Old Testament History and the Life of Christ

Grade Level: 10

Course Credit: One Credit

Prerequisite(s): none

Description: This course studies the Old Testament from Solomon to Malachi (I Kings to Malachi), and the life of Christ from the four gospels. The Old Testament study focuses on the Messianic promises and their fulfillment in Christ. The New Testament study is devoted to the life of Christ

Christian Doctrine and the Book of Acts

Grade Level: 11

Course Credit: One Credit

Prerequisite(s): none

Description: This course includes study of the doctrines of justification and sanctification and the teachings of law and gospel as found in the Books of Romans and Galatians. It also offers a brief survey of history of the Christian Church beginning with the book of Acts. Finally, it

touches on the beliefs of the major denominations and cults, their role in the history of the church, and how they differ from Bible-based Lutheranism.

Christian Faith and Life

Grade Level: 12

Course Credit: One Credit

Prerequisite(s): Junior/Senior Status

Description: Studies will include pertinent issues which face the Christians living in the world today; a study of the book of Revelation; a review of God's plan for marriage and commitment; cults and comparative religions and the general New Testament epistles.

English

Fundamentals of English

Grade Level: 9

Course Credit: One Credit

Prerequisite(s): none

Description: Students will review basic reading, writing, and grammar skills.

Writing and Grammar

Grade Level: 9

Course Credit: One Credit

Prerequisite(s): none

Description: Students review and build upon their knowledge of grammar, writing, and literature. In addition, students learn to write research papers and make oral presentations.

World Literature

Grade Level: 10

Course Credit: One Credit

Prerequisite(s): none

Description: This course provides the student with an overview of world literature through short stories, poetry, nonfiction, drama, and novels and continues the writing process through essays, research, book reports, and journals.

Speech Communication

Grade Level: 11

Course Credit: 0.5 Credits

Prerequisite(s): none

Description: Students will develop and practice skills in the communication process, including interpersonal communication, listening, and public speaking.

Written Composition

Grade Level: 11

Course Credit: 0.5 Credits

Prerequisite(s): none

Description: Using a blend of scholarly and creative writing, students will write poetry, stories and plays, as well as essays. Students will also review grammar skills and write a research paper.

Honors English

Grade Level: 11

Course Credit: 0.5 Credits

Prerequisite(s): Cumulative English GPA of 3.33 or better; PLAN English benchmark score of 20 or better.

Description: Honors English will include advanced literary analysis and composition along with substantial grammar review. This course is a prerequisite for taking PSEO Introduction to Literature/AP Literature and Composition.

Genres of Literature

Grade Level: 12

Course Credit: 0.5 Credits

Prerequisite(s): none

Description: This course is a study of various literary genres such as poetry, drama, novels, short stories, biographies, journals and essays. Students analyze how each genre shapes literary understanding or experiences differently, how different genre have had stronger impact on culture that other in different historical time periods, and what the most influential genres are in contemporary times.

PSEO Introduction to Literature/AP Literature and Composition

Grade Level: 12

Course Credit: One Credit (4 college credits through Concordia University 1st semester only)

Prerequisite(s): B in Honors English and overall GPA of 3.25 (MN requirement for PSEO)

Description: Course description for PSEO Introduction to Literature / AP Literature & Composition: Advanced Placement Literature and Composition is an introductory college course. This course is designed to develop the student's ability to read, analyze, and write about serious literature. The emphasis is on the influence of the time period and the novel's content. First semester PSEO is taught cooperatively with Concordia University; the class will be taken on the West campus with credits awarded via Concordia. A spring examination administered through the College Board will make the credits available from most colleges based on the examination score.

ESL

ESL I

Grade Level: First year International Students

Course Credit: One Credit

Prerequisite(s): none

Description: Students learn basic English conversation and host family living skills, as well as important elements of American culture. This course focuses on developing speaking and listening skills, vocabulary and grammar proficiency, collaboration skills, and reading comprehension.

ESL II

Grade Level: Second year International Students

Course Credit: One Credit

Prerequisite(s): ESL 1 or approved placement

Description: Students review the basics of English conversation and speaking skills, while learning advanced writing techniques. There is a continued emphasis on practical elements of American culture such as college living, careers, and key historical events.

ESL III (College Prep English)

Grade Level: Third year International Students

Course Credit: One Credit

Prerequisite(s): ESL 2 or approved placement

Description: Students are guided in review for TOEFL and ACT exams necessary for college entrance in the United States.

Mathematics

Although West Lutheran requires 3 credits in mathematics for graduation, many colleges recommend 4 credits. Some four year colleges require 4 math credits for acceptance. The University of Minnesota system made this a requirement starting in spring of 2015.

Fundamentals of Algebra

Grade Level: 9

Course Credit: One Credit

Prerequisite(s): Freshmen students are placed in this course based on ability.

Description: Pre-algebra is a review of the basic mathematic skills of solving equations, geometry, measurements, and probability and statistics. The students will be taught the basic skills needed to move on to Algebra I.

Algebra I

Grade Level: 9,10

Course Credit: One Credit

Prerequisite(s): Fundamentals of Algebra, or consent of instructor based on placement testing.

Description: Topics that would be covered include the language of mathematics, sets, equation solving with one or more variables, inequalities, functions, graphing, factoring polynomials, word problems, rational and irrational numbers, and quadratic equations.

Advanced Algebra

Grade Level: 9

Course Credit: One Credit

Prerequisite(s): Consent of Instructor based on placement test

Description: Designed for students with strong skills in basic math as well as good abstract reasoning. This fundamental algebra course solves linear and quadratic equations, systems of equations, graphs linear and quadratic equations, simplifies irrational expressions, and works with matrices and sequences and series. Emphasis is given to application of concepts and critical thinking.

Geometry

Grade Level: 10-11

Course Credit: One Credit

Prerequisite(s): Algebra I

Description: The regular geometry class will go through all the skills of Advanced Geometry with much less emphasis on proofs. The class is designed to give the students the skills needed to have an understanding of the major geometry skills as well as prepare them for Algebra II.

Advanced Geometry

Grade Level: 10

Course Credit: One Credit

Prerequisite(s): Accelerated Algebra ("C" or above) or consent of instructor

Description: A comprehensive study of Euclidean geometry in two and three dimensions. Emphasis is given to formal proofs, how geometric formulas are derived and their application.

Algebra II

Grade Level: 11-12

Course Credit: One Credit

Prerequisite(s): Algebra I ("C" or above) and Geometry

Description: A thorough review and expansion of Algebra I in the areas of linear and quadratic equation, inequalities, functions and irrational numbers. Students are introduced to logarithms, matrices, sequences, series and probability.

Precalculus with Trigonometry

Grade Level: 11

Course Credit: One Credit

Prerequisite(s): C in Accelerated Algebra and Advanced Geometry or consent of instructor.

Description: An expansion of concepts taught in Accelerated Algebra are covered along with conics, higher order functions, logarithms, and trigonometry. The trigonometry portion will consist of a study of trigonometric functions and their inverses, circular functions, triangle trigonometry, polar coordinates, vectors and complex number equations. Emphasis is given to application and critical thinking needed to be successful for AP Calculus.

Advanced Mathematics

Grade Level: 12

Course Credit: One Credit

Prerequisite(s): C in Algebra II or consent of instructor

Description: Designed for college-bound students who have completed Algebra II, this course serves as a transition into college level math. Topics covered include basic trigonometry, logarithms, exponentials, statistics and probability.

AP Calculus AB

Grade Level: 12

Course Credit: One Credit

Prerequisite(s): B Precalculus with Trigonometry

Description: An introduction to calculus beginning with limits. The basic concepts of differentiation and integration are covered along with application in each area.

Science

Enrollment in General Science is required for ninth grade and Biology is required for tenth grade. Juniors should take one of our Chemistry offerings. Registering college bound seniors should investigate which offered electives best fits their intended program of study.

General Science

Grade Level: 9

Course Credit: One Credit

Prerequisite(s): none

Description: An introductory science course including laboratory activities. The course presents a wide range of physical science topics with emphasis on chemistry, physics, electronics and engineering. Examples of projects include circuit design and optional advanced electronics, structural engineering and bridge analysis.

Biology

Grade Level: 10

Course Credit: One Credit

Prerequisite(s): none

Description: Biology is the study of life as God has created it. Understanding life and life processes depends on mastering the unifying principles and concepts applicable to all life forms. Taught as sequential units, this course begins with the underlying chemistry and systems of life and progresses through microbiology, botany, zoology and physiology.

Chemistry in the Community

Grade Level: 11, 12

Course Credit: One Credit

Prerequisite(s): none

Description: Chemistry in the Community covers the principles of general chemistry through units that emphasize organic chemistry, environmental chemistry, and industrial chemistry. Students learn concepts on a need-to-know basis, evaluate data, and make decisions based on their knowledge and observations. The lab-based course features activities that give students practice in applying their knowledge of chemistry. Much of the material will overlap environmental studies and lab work that include field studies as well as engineering concepts that apply to the intersection of chemistry and industry.

Honors Chemistry

Grade Level: 11, 12

Course Credit: One Credit

Prerequisite for Honors Chemistry: B+ in science classes and enrolled in Algebra II or Precalculus (or completion)

Description: Chemistry is the study of creation from the point of view of its smallest particles. The nature of matter including its structure, characteristics, properties and reactions is discovered studied through laboratory activities, readings and classroom discussion. This course is designed primarily for students who are oriented toward math and science-based careers. It involves a more rigorous theoretical and mathematical approach to chemistry topics and an accelerated pace.

Anatomy / Physiology

Grade Level: 11, 12

Course Credit: One Credit

Prerequisite(s): B+ in Biology or consent of instructor

Description: A college prep course, Anatomy / Physiology is an application of the principals of biology to the systems of the human body. A strong emphasis will be placed on discussion and lab activities. Participants should be plan on participation in dissecting activities among other labs. This course has the rigor of a college prep course and is given the credit value of an honors level course.

Physics

Grade Level: 12

Course Credit: One Credit

Prerequisite(s): B in Algebra II or Precalculus and a B average in science classes or consent of instructor

Description: Physics is a science that is concerned with the relationship between matter and energy in God's visible word. This lab-oriented course focuses on the mathematical description of the laws God set in place to govern his creation. Vernier equipment is used to discover, analyze and apply these laws. Most of the year will be spent studying mechanical topics including motion, forces, momentum, energy and its conservation, and thermodynamics. Other topics include the study of waves, the nature of light, and an introduction to electricity and magnetism. In most years, the course culminates with a field trip to Valley Fair to apply Physics principles and to collect and analyze real world data.

Engineering

Introduction to Engineering Design

Grade Level: 9-12

Course Credit: One Credit (\$500 Enrollment Fee)

Prerequisite(s): none

Description: Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software, and use an engineering notebook to document their work.

Social Studies

Geography

Grade Level: 9

Course Credit: One Credit

Prerequisite(s): none

Description: Along the educational journey the students take in class, the material presented will take them throughout the various physical, economic, political, and cultural aspects of various regions. In addition, map work and detailed presentations will be required during this course.

Western Civilization

Grade Level: 10

Course Credit: One Credit

Prerequisite(s): none

Description: This course examines Western Civilization from Prehistory to the French Revolution. It begins with a general survey of ancient civilizations. We later study those people

and nations that have had the greatest impact on Western civilization, with special attention given to the growth and spread of Christianity.

US History

Grade Level: 11

Course Credit: One Credit

Prerequisite(s): none

Description: A seminar type class that emphasizes class participation and analytical thought. It is a survey class in that it begins with the settlement of the colonies and proceeds through the Vietnam War. This class uses video, projects, discussion, essays, primary readings, and political cartoons as learning tools.

AP US History

Grade Level: 11

Course Credit: One Credit

Prerequisite(s): B+ in social studies classes, B+ in English classes, and PLAN English test score of 20+ or instructor approval.

Description: Advanced Placement United States History is comparable to an introductory college course in U.S. Civilization. A college-level text, is supplemented by primary and secondary source readings. The course content begins with the Discovery and Settlement of the New World, proceeds through the Colonial period, the Revolutionary Period, the New Nation, the Civil War, the Gilded Age, the Progressive Age, World Wars I and II, the Cold War (including the Korean and Vietnam conflicts), and concludes with the Obama administration.

Political Science

Grade Level: 12

Course Credit: One Credit

Prerequisite(s): none

Description: Political Science is a two semester course in the basic principles of democracy and their application to the United States' government. The basic operations of the US government will be explored, primarily on the national level. Contemporary topics affecting the government will be debated by the students and current events monitored. Most importantly, the role of the Christian in God's two kingdoms will be explored.

PSEO World History (HIS 121) – 1st semester only

Grade Level: 12

Course Credit: One Credit (4 college credits through Concordia University)

Prerequisite(s): B+ in social studies classes, and overall GPA of 3.25 (MN requirement)

Description: Taught cooperatively with Concordia University, this course will cover early civilization until the Renaissance. Classes will be taken on campus but credits will be awarded via Concordia.

PSEO American Government (PLSC 105) – 2nd semester only

Grade Level: 12

Course Credit: 0.5 Credits (3 college credits through Bethany Lutheran College)

Prerequisite(s): Students must be PSEO Academically eligible and must be enrolled in PSEO World History (HIS 121)

Description: This course is an online course, facilitated by an instructor at WLHS, and taken as a cohort with other WLHS students. This course introduces the student to the American system of government and fosters an understanding of and appreciation for the Constitution of the United States. This course also reviews how federal institutions function and the management thereof, the role and function of the state, regional and local units of government, and a glimpse of political campaigns and elections.

Foreign Languages

While there is no graduation requirement for foreign languages, it is recommended that students take at least two years of a language if there is an interest in attending a four year college after graduation. Success in a foreign language demands a consistently strong effort involving attention, ability to memorize, regular completion of homework and a good attendance record

If a student is failing a foreign language class after one semester, he/she will be asked to drop the course. If a student's performance in a foreign language is below average (D level) after one semester, the student will have one term to bring up his performance to at least a C level under contract. If the student is unable to improve his performance to the C level after a term, he/she will be asked to drop the course for the time being. Students and their parents should jointly consult the instructor if continued enrollment in this course is advisable.

Latin I

Grade Level: 9 -10

Course Credit: One Credit

Prerequisite(s): Consent of instructor dependent on demonstrated English achievement.

Description: This course seeks to provide the basics of Latin vocabulary, grammar and syntax, which takes the student through approximately thirty-two chapters of the text. This course also seeks to strengthen the student's knowledge of English grammar and vocabulary. Special emphasis is given to the many English words that are derived from the Latin language.

Latin II

Grade Level: 10 -11

Course Credit: One Credit

Prerequisite(s): Latin I; see above information for continued enrollment.

Description: This course will begin by quickly reviewing the basics learned in Latin I. Then it will build upon those basics with more grammar and syntax. Finally, if time permits, there will be translation from Caesar's Gallic Wars and the Latin Bible.

Latin III

Grade Level: 11-12

Course Credit: One Credit

Prerequisite(s): Latin II; see above information for continued enrollment.

Description: This course will emphasize translation.

Latin IV/Advanced Languages

Grade Level: 12

Course Credit: One Credit

Prerequisite(s): Latin III, instructor's consent

Description: A combination of Latin IV and Koine Greek, this course is aimed at pre-ministerial and other interested students. Course materials include Greek Bible and books 1, 2, and 3 of Aeneid.

Spanish I

Grade Level: 9, 10, 11

Course Credit: One Credit

Prerequisite(s): Consent of instructor dependent on demonstrated English achievement.

Description: Emphasizes vocabulary, basic grammar, oral and written work, in preparation for reading everyday Spanish and carrying on basic conversations in the target language.

Spanish II

Grade Level: 9, 10, 11, 12

Course Credit: One Credit

Prerequisite(s): Spanish I; see above information for continued enrollment.

Description: Emphasizes advanced grammar needed to read, understand and use the Spanish language in oral and printed forms. Develops appreciation of Spanish culture and prepares students for college entrance by fulfilling language requirement.

Spanish III

Grade Level: 10, 11, 12

Course Credit: One Credit

Prerequisite(s): Spanish II; see above information for continued enrollment.

Description: Emphasizes improving oral and written communication skills through conversation, Spanish literature and AV materials.

Spanish IV

Grade Level: 11, 12

Course Credit: (Course availability dependent upon instructor and/or demand)

Fine Arts

Fundamentals of Music

Grade Level: 9

Course Credit: 0.6 Credits

Prerequisite(s): None

Description: Students are introduced to the art of singing and exposed to the many different ways they can express themselves through this art form. Sight-singing, ear training, and music theory are also taught. Students in this class are members of the Freshman Choir and perform at all school concerts. Attendance is a grade requirement.

Concert Band

Grade Level: 9-12

Course Credit: One Credit

Prerequisite(s): ability to play an instrument or consent of instructor

Description: As students prepare literature for the purpose of performance in a concert setting, they study the elements of musical expression, and proper instrumental techniques. Attendance at all performances is a grade requirement.

Concert Choir

Grade Level: 10-12

Course Credit: One Credit

Prerequisite(s): Fundamentals of Music or teacher consent

Description: As students prepare literature for the purpose of performance in a concert setting, they study the elements of music, the art of musical expression, and proper choral techniques. Attendance at all performances is a grade requirement.

Media Arts Fundamentals

Grade Level: 11-12

Course Credit: One Credit

Prerequisite(s): none

Description: Through example, discussion, and projects, students will learn the art elements of line, light, composition, and storytelling. This course incorporates modern mediums.

Drawing and Painting

Grade Level: 10-12

Course Credit: One Credit

Prerequisite(s): none

Description: Perspective and proportion are explored through traditional mediums, examples and discussion.

Physical Education/Health

Physical Education 9

Grade Level: 9

Course Credit: 0.4 Credits

Prerequisite(s): None

Description: Physical education 9 is a class designed to promote healthy lifestyles through physical activity. The focus of this class is based on both traditional team games as well current modified games. Among the activities covered in this class will be fitness testing, skills tests, and an introduction to team building through various team games.

Christian Health and Wellness

Grade Level: 10

Course Credit: 0.5 Credits

Prerequisite(s): None

Description: This course focuses on developing and maintaining habits and strategies to promote Christian character, relationships, and spiritual, mental, emotional, and physical health and wellness. Studies of the impacts of digital media on health and relationships as well as personality assessments and inventories will be used in this self discovery and wellness course.

Human Performance I (1st Semester only)

Grade Level: 11-12

Course Credit: 0.5 Credits

Prerequisite(s): none

Description: This course continues the promotion of healthy lifestyles through physical activity. Among the activities that will be covered in this class will be proper weight training, aerobic and anaerobic conditioning, fitness testing, fitness planning, and a term paper as the final.

Human Performance II (2nd Semester only)

Grade Level: 11-12

Course Credit: 0.5 Credits

Prerequisite(s): HP I or instructor consent.

Description: This class will supplement HP level I and may be taken for separate credit.

General Courses

Business (1st semester only)

Grade Level: 11-12

Course Credit: 0.5 Credits

Prerequisite(s): none

Description: In this course, students will be introduced to basic characteristics of business and to numerous business and management strategies in the areas of Marketing, Human Resources, and

Finances. We will also explore different types and sizes of businesses. Students should be prepared for an interactive class that will include managing a class cooperative business and group discussions.

Accounting (2nd Semester only)

Grade Level: 11-12

Course Credit: 0.5 Credits

Prerequisite(s): none

Description: Accounting establishes a foundation for understanding business, and provides initial knowledge needed for an accounting career. This class introduces the principles and process involved in double-entry accounting systems. It covers the entire accounting function including the use of journals, ledgers, worksheets, financial statements and specialized accounting functions such as banking and payroll. This class is recommended for anyone interested in pursuing a career in business and/or accounting. Learning can also be transferred to apply to personal situations in everyday life, including topics such as checking accounts, payroll, expenses, income, profit and net loss.

Introduction to Psychology (1st Semester only)

Grade Level: 11-12

Course Credit: 0.5 Credits

Prerequisite(s): B in Biology and 3.00 GPA in English

Description: A survey course aimed at basic understanding of human behavior. Areas of study will include the field of psychology, the brain and its development, personality, and psychological disorders.

PSEO General Psychology (PSYC 110) (2nd semester only)

Grade Level: 11 & 12

Course Credit: 0.5 Credits (4 Credits through Bethany Lutheran College)

Prerequisite(s): Students must be PSEO Academically eligible. They must also be enrolled in Introduction to Psychology for the first semester or receive instructor's approval. (Students who aren't PSEO eligible will be charged \$75/college credit)

Description: This course is an online course, facilitated by an instructor at WLHS, and taken as a cohort with other WLHS students. This course provides an overview of the major concepts of psychology viewed through contrasting perspectives and gives students a general knowledge base pertaining to the field. A wide range of topics are covered, including: biological influences, learning and memory, development, social factors, abnormal behavior, and therapy. Emphasis is placed on the relevance of psychology to everyday life and faith.

Online/Independent Study Courses

These courses act to supplement the curriculum at WLHS. Some courses may be taken as PSEO for college credit. PSEO courses are offered at no charge. All non-PSEO courses require a \$125.00 fee per semester (\$20 nonrefundable registration fee). Non-PSEO courses are subsidized at 50% of the cost. Students who drop these courses after the refund deadline are subject to an additional \$125.00 charge. **Students must be approved to take online courses by the Vice-Principal of Academics prior to enrolling.**

PSEO Online College Algebra (MATH 111)

Grade Level: 12 – Offered in both Fall and Spring Semesters

Course Credit: 0.5 Credits (4 Credits through Bethany Lutheran College)

Prerequisite(s): Students must be PSEO Academically eligible and must have completed Honors Algebra II.

Description: A study of functions, starting with the definition and focusing on the use of functions in all forms to model the real world. Includes comparing linear and nonlinear functions, transforming functions, looking at polynomial and rational functions globally and locally, models of growth and decline of systems and equations. (Students need to be proficient in mathematical thought and reasoning developed through the student of polynomials, factoring, rational expressions, roots and radicals, quadratic equations, functions and graphing.)

PSEO Online Statistics (MATH 120)

Grade Level: 12 – Offered in both Fall and Spring Semesters

Course Credit: 0.5 Credits (3 Credits through Bethany Lutheran College)

Prerequisite(s): Students must be PSEO Academically eligible and must have completed Honors Algebra II.

Description: Beginning statistical theory and practice are introduced through topics of data collection, sampling techniques, organization and presentation of data, measurement of central tendency, probability concepts, discrete and continuous probability distributions, statistical estimation, hypothesis testing, correlation analysis, linear regression and analysis of variance.

PSEO Introduction to Mass Media (COMM 240)

Grade Level: 12 – Offered in both Fall and Spring Semesters

Course Credit: 0.5 Credits (3 Credits through Bethany Lutheran College)

Prerequisite(s): Students must be PSEO Academically eligible

Description: Through study of the nature, functions, and responsibilities of the various print and electronic media, students are encouraged toward intelligent appraisal of the contributions and effects of mass media on the individuals and on our culture.

PSEO Music Appreciation (MUSIC 102)

Grade Level: 12 – Offered in Fall Semester only

Course Credit: 0.5 Credits (3 Credits through Bethany Lutheran College)

Prerequisite(s): Students must be PSEO Academically eligible

Description: Introduction to music as artistic expression. No musical background necessary for this course.

Online Foreign Language

German I

Grade Level: 9-12

Course Credit: One Credit

Prerequisite(s): None

Description: German 1 is a beginning course intended to introduce the student to the language and culture of German speaking countries. Connections will be made to the German Lutheran heritage in WELS schools. Students will develop listening, speaking, reading, and writing skills through a variety of activities based on authentic media and activities. (A two-year exchange program with the Evangelisches Gymnasium in Siegen Germany can be part of the course. Students can travel in the summer of even-numbered years for a two-week family stay and to attend the school with host family.)

German II

Grade Level: 10-12

Course Credit: One Credit

Prerequisite(s): None

Description: German 2 is a continuation of German 1. Students will continue learning the language as well as the culture of German speaking countries.

German III

Grade Level: 11-12

Course Credit: One Credit

Prerequisite(s): None

Description: German 3 is a continuation of German 2. Students will continue learning the language as well as the culture of German speaking countries.

Chinese I

Grade Level: 9-12

Course Credit: One Credit

Prerequisite(s): None

Description: An introduction to the Mandarin Chinese language and culture that includes listening, reading, writing, and speaking.

Chinese II

Grade Level: 10-12

Course Credit: One Credit

Prerequisite(s): Chinese I

Description: A continuation of Chinese I, a study of the Mandarin Chinese language and culture that includes listening, reading, writing, and speaking.

American Sign Language

Grade Level: 11-12

Course Credit: One Credit

Prerequisite(s): None

Description: A beginning level course that focuses on the fundamental elements of American Sign Language (ASL) in a cultural context. Emphasis is placed on the progressive development of expressive and receptive skills in fingerspelling and the thematic units while learning the visual language (short conversations) and culture of the Deaf.

Online Science

AP Environmental Science

Grade Level: 11-12

Course Credit: One Credit (2 semesters)

Prerequisite(s): Two years of Laboratory Science

Description: A college-level course with an overview of components of ecosystems, including energy flow and the structure and dynamics of populations and communities. Students review the processes that affect natural environments, examine the impact of human activities on ecosystems, and discuss current environmental issues. The course is designed to prepare high school students to take the College Board AP exam on this subject. Throughout the course the student is encouraged to demonstrate love for God through respect for His artistic work and love for neighbor in that others are not hurt or harmed by how we act. Field projects will be required.

AP Computer Science A

Grade Level: 11-12

Course Credit: One Credit (2 semesters)

Prerequisite(s): Introductory programming course or consent of instructor.

Description: A college-level first course in computer science. The emphasis in the course is on procedural and data abstraction, object-oriented programming and design methodology, algorithms, and data structure. Java will be the programming language used in the course.

Astronomy

Grade Level: 11-12

Course Credit: 0.5 Credits (spring semester only)

Prerequisite(s): None

Description: This course explores the wonders of the heavens above us. Students will gain an appreciation for God's majesty as revealed in His universe. Students will learn what an astronomer studies. Students will finally learn to navigate the night sky for personal enjoyment.

World Regional Geography

Grade Level: 11-12

Course Credit: 1 Credit (3 College Credits - Martin Luther College)

Prerequisite(s): GPA of 3.5 or higher, or consent of instructor for GPA of 3.0-3.49

Description: An overview of the world's major realms from a spatial perspective. The physiographic and cultural landscapes of regions are explored using systematic geographic concepts.

Online Technology

Computer Graphics

Grade Level: 11-12

Course Credit: 0.5 Credits (spring semester only)

Prerequisite(s): None, but basic computer knowledge is assumed.

Description: *Computer Graphics* will introduce students to raster and vector graphic editing software to create, edit, and manipulate images and drawings. These skills can then be applied to complete projects in other courses during and after high school, in the workplace, and for personal use.

Game Programming I

Grade Level: 10-12

Course Credit: 0.5 Credits (fall semester only)

Prerequisite(s): Introduction programming course or consent of instructor.

Description: Students will have the opportunity to write code to create and run simple 2D and 3D game programs using the Unity game engine. Using step-by-step instruction and hands-on projects, students will learn how to develop, test, run, and debug games that feature graphics and sound effects. The project(s) developed over the length of this course will encourage students to consider pursuing a technology related career that will influence the learning of others.

Game Programming II

Grade Level: 10-12

Course Credit: 0.5 Credits (spring semester only)

Prerequisite(s): "C" or better in Game Programming 1.

Description: Using the knowledge and skill developed in Game Programming 1, students will use the Unity Engine interface to develop more complex 2D and 3D games. Students will focus on the programming language C# and the role of Artificial Intelligence (AI) in making games more interactive and interesting. The project(s) developed over the length of this course will encourage students to consider pursuing a technology related career that will influence the learning of others.

Introduction to Programming

Grade Level: 10-12

Course Credit: 0.5 Credits (Fall Semester only)

Prerequisite(s): None, but basic computer knowledge is assumed.

Description: *Introduction to Programming* is a hands-on introductory computer-programming course. Students will learn the fundamental programming techniques of the Visual Basic language, while setting a foundation for the learning of other programming languages.

Web Page Design

Grade Level: 10-12

Course Credit: 0.5 Credits (Fall Semester only)

Prerequisite(s): None, but basic computer knowledge is assumed.

Description: Students will learn HTML (Hyper Text Markup Language), CSS (Cascading Style Sheets), and JavaScript programming languages so they can create effective and responsive web sites. They will also study the principles of professional design to apply them to those sites.

Online Art

Creative Process

Grade Level: 10-12

Course Credit: 0.5 Credits (Fall Semester only)

Prerequisite(s): None

Description: This course will allow students to discover the creative process in a variety of art forms from theater, music, dance, cinema, game design, photography, sculpture, fashion, and architecture. Students will visit online galleries, create artworks, and research a contemporary artist.

Da Vinci Club

Grade Level: 10-12

Course Credit: 0.5 Credits (Fall Semester only)

Prerequisite(s): None

Description: Flying machines, hydraulic lifts, anemometers, canons, scuba gear, robotic knights are just a few of the inventions created by Leonardo da Vinci. What does it take to be an inventor? This hands-on course will explore how to use science, technology, engineering, art, and math (STEAM) to create innovative inventions, and will incorporate experimental activities that promote creativity and critical thinking.

Art and Architecture

Grade Level: 11-12

Course Credit: 0.5 Credits (Spring Semester only)

Prerequisite(s): None

Description: Students will gain a better understanding of how cultural heritage and beliefs influence architectural style. They will evaluate and analyze various examples of architecture found in churches and castles in Germany as well as local architecture. Students will choose a style of architecture for inspiration and then use art and design skills to create authentic architectural blueprints, conceptual plans, and 3D models digitally and with paper products.

Digital Photography

Grade Level: 10-12

Course Credit: 0.5 Credits (Spring Semester only)

Prerequisite(s): None

Description: In this introductory course, students will learn the basic principles of digital photography and photography techniques to create works of art using a digital camera or phone camera.