



CURRICULUM GUIDELINES

Excellence in Academics – Meaningful Ministry

Excellence in Academics

The academic expectations of Lutheran High North can be seen in its college preparatory curriculum. LHN's student body comes from a broad range of academic backgrounds. Students are challenged in their studies and expected to work toward performance at a high level.

Excellence in Academics at LHN is defined by a faculty who:

- Demand excellence in work submitted
- Are creative with their approach to learning
- Make learning relevant
- Create a learning atmosphere
- Are life-long learners in their field of expertise
- Care for the whole child

Meaningful Ministry

Meaningful Ministry at LHN is defined first by the purposeful use of God's word daily and across the curriculum. Meaningful Ministry is seen in the caring relationships and atmosphere that exist on campus. Those relationships are possible because Christ first loved us, and our response is to love one another.

Planning your high school program

Lutheran High North strives to assist students in preparing for their future. A rigorous academic curriculum within a strong spiritual community is the foundation of our philosophy. Through daily prayer, religious instruction and contact with Christian teachers, students are provided with opportunities to grow closer to Jesus Christ while preparing for their post-graduation endeavors.

We encourage students to challenge themselves according to their own abilities as they make course selections. With the class descriptions, you will find information on the grade level during which each class is typically taken and the prerequisites necessary for some classes.

GRADUATION REQUIREMENTS

Foundation Plan

Multidisciplinary Endorsement

Distinguished Level of Achievement

Communication applications - ½ credit

English 1,2,3,4 - 4 credits

Fine arts - 1 credit

Health - ½ credit

Languages other than English - 2 credits in the same language

Mathematics - 4 credits - must include Algebra 1, Geometry, Algebra 2

Physical Education - 1½ credits

[½ credit may be earned from two LHN athletic seasons]

Science - 4 credits - must include Biology, Chemistry, Physics

Social Studies - 4 credits - World geography (1), World history (1), U.S. history (1),
U.S. Government (½), Economics (½)

Technology - 1 credit

Theology - 1 credit each year at LHN

Electives - 3½ credits

Total - 30 credits

The Distinguished Level of Achievement is the default plan for all Lutheran High North students. It includes the Foundation Plan set by the Texas Education code, the Multidisciplinary Endorsement, and four credits in English, Mathematics, Science and Social Studies as specified.

If a student is not able to achieve this goal we will work with the student and his or her family to alter the student's graduation plan in order to meet the Foundation Plan, either with or without an endorsement. This circumstance should be rare and will be handled on an individual basis.

Endorsements - Students may graduate with one, two, or three endorsements

Multidisciplinary Endorsement - included in LHN requirements

Arts & Humanities Endorsement: *any one of the following paths*

- 4 credits in fine arts (art and/or music) - [*band used as PE credit is excluded*]
- 4 credits in the same language other than English
- 2 credits each in two languages other than English
- 5 social studies credits

STEM Endorsement (*Science, Technology, Engineering, Math*): *any one of the following paths*

- 5 math credits; two additional above Algebra 2
- 5 science credits

Performance Acknowledgements

- 12 hours of dual credit courses with grades of A or B
- Advanced Placement exam scores of 3-5
- 3 credits in Spanish or Latin courses with an average of 80+ along with 80+ average in English

Dual Credit Honors Program:

As part of the college preparatory curriculum at Lutheran High North students are able to earn credit for college prior to graduating. College U.S. History, College English, U.S. Government and Economics are offered to Juniors and Seniors through Concordia University. 18 college hours can be earned through dual credit.

Advanced Placement®:

Lutheran High North offers AP classes in Physics, Spanish, Biology, and Calculus. Those students who score well on AP tests are able to earn college credit. College credit hours vary; typically 3 hours per AP test but sometimes more.

Honors Credit:

In addition to the Dual Credit Honors Program and Advanced Placement courses, students at Lutheran High North may earn honors credit in most academic classes. Honors work is more rigorous than the regular course work and participation is based on previous work, GPA, test grades and current performance. Students choose the level to which they are challenged and experience success in a variety of ways. In English courses there is a separate honors class section. In other courses the honors credit is earned by doing additional assignments and projects as developed by the teacher. Students must have an 80% or higher average for the semester and satisfactorily meet the requirements as outlined for the course.

Sample 4 year plan

9th Grade		10th Grade		11th Grade		12th Grade	
English 1		English 2		English 3		English 4	
Algebra 1		Geometry		Algebra 2		Pre-calculus	
Biology		Chemistry		science choice		Physics	
World Geography		World History		U.S. History		U.S. Government	Economics
Spanish or Latin		Spanish or Latin		Elective		Elective	
Fine art		PE	Health	PE	Comm. App	PE	Elective
Web Design	BIM	Elective					
Theology 9		Theology 10		Theology 11		Theology 12	

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COMMUNICATION

½ credit required

Communication Applications (½ credit)

10th - 12th Grade

1 semester

required

Communication Applications is an interactive course developed to strengthen student communication skills both socially and professionally. Students are expected to participate in peer teaching, speeches, mock job interviews, and debates as well as daily practice of interpersonal communication skills.

ENGLISH

4 credits required

English I & English I Honors (1 credit)

9th Grade

2 semesters

required

English 1 is an introductory course, surveying various genres of literature. From Old English to Modern Times students are taught to read critically, to think analytically, and to share their conclusions through group discussions and compositions. Students are taught the basic fundamentals and strategies of good writing. Grammar is reviewed and SAT vocabulary enhancement activities are ongoing throughout the year.

English II & English II Honors (1 credit)

10th Grade

2 semesters

required

Prerequisite: English I

In English II, students will develop skills in analyzing and critiquing literature and writing through the interaction with classic and contemporary literature from a variety of cultures and genres, both Christian and secular based. This course places a strong emphasis on building students' writing skills, critical reading skills, and vocabulary development.

English III (1 credit)

11th Grade

2 semesters

required **

Prerequisite: English II

English III surveys the literature of Romanticism and Realism of the 1800s. From Hawthorne and Shelley to Twain and London, the students read a wide variety of literature that allows them to develop a well- rounded understanding of the literature of that time period. Compositions, group discussion, and research papers allow them to hone their critical thinking skills. Grammar, mechanics, and vocabulary enrichment are taught throughout the year.

English IV and English IV Honors (1 credit)

12th Grade

2 semesters

required **

Prerequisite: English III

English IV focuses on the modern and postmodern literature of the 1900s. The student develops an understanding of the fundamental structure of modern literature as well as the subtleties. Students engage in group discussions pattern after the Harkness Model. They write papers that reflect the critical thinking skills they have learned and present oral presentations based on their papers and group discussions.

**** English III or IV: Dual-Credit (1 credit)**

11th or 12th Grade

ENG 1316 Academic Research and Writing

1 semester

(3 college credits from Concordia University Texas)

Prerequisite: Acceptance into dual-credit program

ENG 1316 is an introduction to composition skills and research skills with an emphasis on gathering, evaluating, synthesizing, and citing research information to compose a formal 10-page research paper. Study of rhetorical strategies, multiple short essays and one research paper are required. The departmental final exam requires composing a formal essay in response to one of several selected topics.

ENG 1317 Introduction to Literature

1 semester

(3 college credits from Concordia University Texas)

Prerequisite: Completion of ENG 1316 with a minimum grade of a C

ENG 1317 emphasizes analyzing the literary components of each of four literary forms: poetry, short story, novel, and drama. Critical interpretive skills are developed for each literary form. One test and one formal analytical paper are required for each form. Comprehensive final exam serves as the exit exam for the course, verifying the student is ready to continue on to advanced literary courses.

FINE ARTS

1 credit required

Art 1 (1 credit)

9th - 12th Grade

2 semesters

Art 1 is an introduction to art and a prerequisite for all other art classes. This course will enable students to become aware of the visual world around them. This is accomplished by taking a beginner's view on the production of art through the exploration of design elements and principles, interpretation of art through cultural and historical context, and through the investigation of nature and values of art.

Art 2 - 4 (1 credit)

10th - 12th Grade

2 semesters

Prerequisite: Art 1 and teacher approval

Advanced art courses are a deeper exploration into the elements and principles of composition, systems of organization, and the exploration of media.

Band (1 credit)

2 semesters

9th - 12th Grade

Prerequisite: Prior band experience and a meeting with the band director

Students enrolled in band are provided with a balanced study of music through concert band. Ensemble and solo activities are designed to develop elements of musicianship including: tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, and studying historically significant styles of literature. In addition, students perform, with expression and technical accuracy, a large and varied repertoire of developmentally appropriate concert band literature. Evaluation of music and music performances is included. Students will develop the ability to understand and convey the composer's intent in order to connect the performer with the audience.

The fall semester from August through the end of October is devoted primarily to marching band and pep band as the students portray the music through both visual and aural forms. Before school rehearsals are held each Tuesday, Thursday, and Friday beginning at 7 AM. A limited number of additional rehearsals and public performances will enhance the daily rehearsal and serve as a culmination of musical goals. Students are required to participate in performances and rehearsals, outside of the school day, that support and extend the learning in the classroom. The group is involved in TAPPS, TPSMEA, and ATSSB activities, to provide an outlet for competition. Many opportunities exist for small ensemble involvement.

Concert Choir (1 credit)

9th - 12th Grade

2 semesters

Students enrolled in Concert Choir develop musicianship and specific performance skills through ensemble and solo singing. The chorus will be composed of both male and female voices. Activities create the development of a quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Concert Choir provides instruction in creating, performing, and listening to music. The students will learn to read and understand musical symbols and notation, work to improve sight reading skills through the use of Kodaly hand signals and solfeggio, as well as develop critical listening skills. In addition, they will develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. A limited amount of time, outside of the school day, may be scheduled for dress rehearsals and performances. A limited number of public performances (church performances, concerts, etc...) may serve as a culmination of daily rehearsal and musical goals. Students must participate in performance opportunities outside of the school day, that support and extend the learning in the classroom.

Digital Photography (1 credit)

10th - 12th Grade

1 semester

Prerequisite: Art 1 and teacher approval

Digital Photography provides a basic introduction to the technology that catapulted the photographic world into the 21st century. The main emphasis and activity will be the production of acceptable pictures using the computer software basic tools. Students will study and discuss the elements and principles of design to use while taking pictures with a digital camera.

HEALTH

½ credit required

Health Education (1/2 credit)

9th - 12th Grade

1 semester

required

This course is designed to assist students to obtain accurate information, develop lifelong positive attitudes and behaviors, and make wise decisions related to their personal health. Study will include personal health, consumer and community health, injury prevention and safety, alcohol, tobacco, and other drugs, nutrition, environmental health, individual growth and development, family living, and communicable and chronic diseases.

LANGUAGES OTHER THAN ENGLISH

2 credits required

Spanish I & Spanish I Honors (1 credit)

9th - 12th Grade 2 semesters

Spanish I is designed to present the basic concepts in Spanish. The first year is for acquisition of vocabulary and grammar through reading, writing, listening, and speaking. Students learn proper pronunciation, present and past tense grammar forms, cultural information, and general information about the Spanish-speaking world.

Spanish II & Spanish II Honors (1 credit)

9th - 12th Grade 2 semesters

Prerequisite: Spanish I or middle school equivalent with LHN placement exam

Spanish II builds on the language acquisition of Spanish I. Deeper study of grammar and verb tenses is explored through reading, writing, speaking, and listening. Students study cultural information and research Spanish-speaking countries in order to compare language, culture and communication. A greater emphasis is put on the production of the language through speaking and writing during this course.

Spanish III & Spanish III Honors (1 credit)

9th - 12th Grade 2 semesters

Prerequisites: Spanish I and II or equivalent with LHN placement exam or instructor approval; an average of 75% or higher in Spanish II is required.

Spanish III allows students to build upon the knowledge gained in Spanish I and II through oral presentations, compositions, advanced listening activities, and reading a variety of classic and contemporary literature sources. Grammar skills, basic to advanced, are improved for proficient speaking and writing as well as further study and comparison of Spanish culture, countries, and peoples. This course is presented primarily in Spanish and students are expected to communicate in the target language a majority of the time.

Spanish IV/V Honors (1 credit)

9th - 12th Grade 2 semesters

Prerequisite: Spanish I, II, III or instructor approval; an average of 80% or higher in Spanish III

Spanish IV/V is a course for students who wish to develop proficiency and integrate their language skills through the use of authentic materials and resources. Course materials are intended to prepare students for the AP Spanish Language Exam. The course focuses on three communication modes: Interpersonal, Interpretive, and Presentational. Students are expected to be able to communicate about a wide variety of topics and cultural information. Students also spend time reading a variety of classic and contemporary literature sources. Speaking, reading, writing, and listening at an advanced level are the goals of this course. Students can choose to sit for the CLEP or the AP Spanish Language Exam after completion of this course.

Latin I & Latin I Honors (1 credit)9th - 12th Grade

2 semesters

Latin I is designed to present the basic concepts in Latin grammar. Special emphasis is placed upon a fundamental knowledge of verbs and nouns. Students will engage in extensive translation, grammatical exercises, and derivative work. Cultural background is introduced to both help the student develop a sense of what life was like in the days of the Roman Empire and to provide a backdrop for many of our translations, leading to a familiarity with pertinent Roman cultural, social, and political history. A research project is completed during each of the two semesters. The National Latin Exam is taken during the 2nd semester. Students have the option of attaining honors credit for each semester if they fulfill additional requirements and maintain an A or B average.

Latin II & Latin II Honors (1 credit)9th - 12th Grade

2 semesters

Prerequisite: Latin I or middle school equivalent with placement test

Latin II is designed to further develop language skills. Advanced grammar forms are introduced, beginning with participles. The subjunctive mood is introduced as is indirect discourse. Students practice their language skills via extensive translation and reading assignments. Derivative work is also included. Knowledge of pertinent Roman cultural, social, and political history will be enhanced. A research project will be completed during each of the two semesters. The National Latin Exam is taken during the 2nd semester. Students have the option of attaining honors credit for each semester if they fulfill additional requirements and maintain an A or B average.

Latin III & Latin III Honors (1 credit)9th - 12th Grade

2 semesters

Prerequisite: Grade average of 85% or above in Latin II AND/OR teacher recommendation

Latin III gives students the opportunity to further their knowledge of advanced grammar forms. Students continue to focus on participles, subjunctive forms, infinitives, indirect discourse, gerunds, gerundives, ablative absolute, passive voice, passive periphrastic/dative of agent, etc. Knowledge of pertinent Roman cultural, social, and political history will be enhanced. A research project will be completed during each of the two semesters. The National Latin Exam is taken during the 2nd semester. Students have the option of attaining honors credit for each semester if they fulfill additional requirements and maintain an A or B average.

Latin IV Honors (1 credit)9th - 12th Grade

2 semesters

Prerequisites: Grade average of 85% or above in Latin III AND/OR teacher recommendation

In Latin IV, students review and practice the advanced grammar forms and begin to broaden their Latin literature base. Writings from the Roman authors of antiquity, especially Vergil, are used more extensively in translation and reading assignments. Familiarity with pertinent Roman cultural, social, and political history and the study of the ancient epic as a literary genre are emphasized. The National Latin Exam is taken during the 2nd semester and students are encouraged to take either the Latin AP Exam or SAT Latin Subject Test.

MATHEMATICS

4 credits required

Algebra I (1 credit)

9th Grade

2 semesters

required

Algebra I is an entry level course of high school mathematics. Problem solving strategies are introduced and developed. The course includes evaluating expressions, identifying properties, solving linear equalities, inequalities, systems, graphing equations, and inequalities.

Geometry & Geometry Honors (1 credit)

9th - 10th Grade

2 semesters

required

Prerequisite: Algebra I

Geometry is a course that covers topics such as circles, area and volume of polygons, analytical proofs, and triangles. Students will integrate algebra into their study of geometry and develop skills of logic and reasoning.

Mathematical Models with Applications (1 credit)

11th Grade

2 semesters

required

Prerequisite: Algebra I and Geometry

Math Models is a course designed for students who struggle in math. It is a review of Algebra I and Geometry and helps prepare the student for Algebra II their senior year. This course covers measurement, statistics, matrices, quadratic functions, and trigonometry. Math Models cannot be taken after Algebra II.

Algebra II and Algebra II Honors (1 credit)

10th - 12th Grade

2 semesters

required

Prerequisite: 75% in Algebra I or Math Models

Algebra II reviews and extends the concepts developed in Algebra I and Geometry. The structure of the number system is extended to include the set of complex (imaginary) numbers. Topics include the study of polynomial functions, matrices, quadratic equations, radical expressions, rational functions and logarithms.

Pre-calculus & Pre-calculus Honors (1 credit)

11th - 12th Grade

2 semesters

Prerequisite: Geometry and Algebra II

Pre-calculus brings together topics from Algebra I, Algebra II, analytic geometry and trigonometry through a strong functions approach. The study includes trigonometry, logarithmic functions, conic sections and sequences and series.

AP Calculus AB (1 credit)

12th Grade

2 semesters

Prerequisite: Pre-calculus

Calculus AB is a study of functions, limits, derivatives, and integrals. Problems are approached analytically, numerically, and graphically. Students are expected to answer questions with and without a graphing calculator, and justify answers. Topics necessary for the Advanced Placement AB exam are included. The National AP exam is given in May.

PHYSICAL EDUCATION

1½ credits required

Physical Education (1/2 credit)

9th - 12th Grade

1 semester

The physical education class is designed with an emphasis on health-related fitness and developing the skills and habits necessary for a lifetime of activity. The program includes skill development, the application of rules, and strategies of complex difficulty in the following movement forms: health-related fitness activities (cardio respiratory endurance, muscular strength and endurance, flexibility, and body composition), aerobic exercise, team sports, individual and dual sports, outdoor pursuits, and recreational games.

SCIENCE

4 credits required

Biology & Biology Honors (1 credit)

9th Grade

2 semesters

required

Through investigations into one of God's most precious gifts, life, Biology sets out to explain the maintenance and design of living systems. Subjects include: Characteristics of Life, Cell Structure, Function, Replication, Zoology, Microbiology, Genetics, Animal and Plant Classification and Ecology. The course consists of lectures, labs, projects, and group activities.

Chemistry & Chemistry Honors (1 credit)

10th Grade

2 semesters

required

Prerequisite: Biology

This course covers the basics of chemistry, showing the intricate design of God's creation. This includes scientific method, atomic theory, atomic models, electron placement, bonding and chemical naming, chemical reactions, the mole, stoichiometry, solutions, acids/bases, gas laws, reduction oxidation reactions, thermochemistry, chemical equilibrium, and reaction rates. The course consists of lectures, labs, projects, and group activities. Honor students will be required to complete critical analyses of current scientific articles and other assignments in addition to required course material.

Physics (1 credit)

11th - 12th Grade

2 semesters

required

Prerequisite: Chemistry and completion or concurrent enrollment in Algebra II

Physics is the study of God's beautiful and elegant design of how the world works. Topics for study include Newtonian Mechanics, including kinematics and dynamics, Waves and Optics and Thermal Physics. Students, working together and independently, are encouraged to think critically, ask questions, make deductions from observations and reach conclusions. Laboratory work where the students use and apply their scientific knowledge is mandatory. Honor students may be required to complete labs and/or projects that will require more critical thinking and analysis than the required course material. Honor students will be preparing for AP Physics.

AP Physics (1 credit)11th - 12th Grade 2 semesters

Prerequisite: Chemistry and a grade average of 80% or above in Algebra II

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound. The National AP exam is given in May.

Anatomy and Physiology & Anatomy and Physiology Honors (1 credit)11th - 12th Grade 2 semesters

Prerequisite: 80% in Biology I and completion of Chemistry

Anatomy and Physiology will provide students with a general understanding of the structure and function of the human body, and allow them to discover just how wonderfully we are made! Students will not only study each of the major systems of the body, but will discover how each interacts to support life. The goal of the course is to provide students with the necessary knowledge and critical thinking skills to succeed in future college level science courses.

Environmental Systems (1 credit)11th - 12th Grade 2 semesters

Prerequisite: Chemistry

In this course, the systems of the earth created by God are studied. The environmental impact of population growth on natural resources, water resource use, water pollution, air pollution, and climate change are studied. Studying the environment helps the students comprehend the problems that man has created and shows ways to fix them. As God's stewards, students are encouraged to find ways to preserve the natural resources and the quality of the environment. Emphasis is placed on a holistic approach to environmental science using class discussions and laboratory activities. An independent semester project is required.

AP Biology (1 credit)12th Grade 2 semesters

Prerequisite: 80% in Chemistry and Algebra II

Advanced Placement Biology covers the content of a college freshman Biology course. Emphasis is placed upon inquiry-based learning and critical thinking. A number of college-level lab activities are required. The course content focuses on biological systems, their origin, growth and reproduction, response to outside stimuli, and interaction with other systems. The national AP exam is given in May

SOCIAL STUDIES

4 credits required

World Geography & World Geography Honors (1 credit)

9th Grade

2 semesters

required

World Geography is the study of physical, human, economic and political environments of the world. The course focuses on the connection between people and their physical environment in relation to the development of civilization. Each unit examines a region and concentrates on the major economic, political and social issues that are pertinent to that region.

World History & World History Honors (1 credit)

10th Grade

2 semesters

required

World History is the historical study of people and the development of civilizations frozen within the context of their age and culture. Within the study of World History students identify various cultures, people, and religious groups that have helped to establish the world in which we live in today. The course traces man's progress throughout history beginning with ancient civilizations and ending with the present.

U.S. History (1 credit)

11th Grade

2 semesters

required

U.S. History is an in-depth survey of American social and political history beginning with the Post-Reconstruction Era after the Civil War concluding with the present. Students will analyze domestic problems, economic policies, international confrontations and powerful leaders that have shaped the United States. As Christians, students will compare the role of Christianity in the development of this country in the past and the present.

**** U.S. History Dual-Credit (1 credit)**

11th or 12th Grade

HIS 1301 U.S. History to 1877

1 semester

(3 college credits from Concordia University Texas)

Prerequisite: Acceptance into dual-credit program

U.S. History to 1877 is a survey of U.S. history relating events of the past to current areas of American life. Origins and development of economic, social, and cultural trends; in addition to territorial and political growth will be studied.

HIS 1302 U.S. History from 1877

1 semester

(3 college credits from Concordia University Texas)

Prerequisite: Acceptance into dual-credit program

U.S. History from 1877 is a survey of U.S. history from the Reconstruction Era to the present. There is an emphasis on economic cycles, political issues, social and cultural change, and emergence of the United States as a world power

U.S. Government (1/2 credit)12th Grade

1 semester

required **

Prerequisite: U.S. History

U.S. Government focuses on the principles and beliefs, including Christianity, on which the United States was founded and on the structure, functions, and powers of government at the national, state, and local levels. Students analyze major concepts of republicanism, federalism, checks and balances, separation of powers, popular sovereignty, and individual rights, as well as compare the U.S. system of government with other political systems

**** U.S. Government Dual-Credit (1/2 credit)**

1 semester

12th Grade

Prerequisite: Acceptance into dual-credit program

POLS 1303C American Government & Citizenship (3 college credits)

This course encourages students to think about their government with insightful analysis while affirming fundamental concepts. The class will cover the following issues: the U.S. and Texas Constitutions, federalism, civil rights, civil liberties, public policy, media literacy, and political institutions.

Economics (1/2 credit)12th Grade

1 semester

required **

Prerequisite: U.S. History

Economics is an introduction course to the economic systems and economic principles that have application to students' lives, especially the free enterprise system. It includes both the theories of economic principles and the practical concerns of consumers. The course introduces critical economic and management decisions, and examines the importance of investment and future savings for the student, and how the Christian deals with money in the modern world.

**** Economics Dual-Credit (1/2 credit)**

1 semester

12th Grade

Prerequisite: Acceptance into dual-credit program

ECO 2301C Introduction to Macroeconomics (3 college credits)

Macroeconomics is the social science that studies the way societies, in the aggregate, allocate scarce resources to unlimited wants. Topics of the course include introductions to: supply and demand, Gross Domestic Product, inflation, recession, unemployment, aggregate private investment, government fiscal policy, monetary policy, international trade, and the effects that each of these have on the nation's economy in the classical, Keynesian, and monetarist frameworks.

Psychology (1/2 credit)10th - 12th Grade

1 semester

This is an introductory course in the study of psychology. Major subjects of psychology including theory and history, research methods, sensation and perception, states of consciousness, motivation, emotion, development, stress and abnormal behavior will be studied.

Personal Finance (1/2 credit)10th - 12th Grade

1 semester

Personal Finance is a hands-on approach to dealing with money. Topics include credit, debt, renting or buying a home, saving, investing, retirement, bankruptcy, bank accounts, taxes, loans, insurance and charitable giving.

TECHNOLOGY

1 credit required

BIM – Business Information Management (1/2 credit)

9th - 12th Grade

1 semester

BIM builds on student knowledge of Microsoft Word, including desktop publishing features. Excel spreadsheets, functions, cell formatting, and charts; with applications to budgets, payroll, and inventory are also covered in this course. Access is used to teach database concepts of records, fields, reports, sorts, and queries.

Desktop Publishing (1 credit)

10th - 12th Grade

1 semester

The Desktop Publishing is responsible for designing a quality yearbook each year. Desktop publishing concepts and techniques include using Adobe In-Design CS3, basics of journalism, and practical digital photography information including the use of Adobe Bridge and Photoshop CS3.

Multimedia I & II (1/2 credit)

9th - 12th Grade

1 semester

Students explore storyboarding, camera angles and framing shots, video capture and production, video editing and transitions, audio editing and management, photo capture and editing, journalism and storytelling. This course may be repeated multiple times at advanced challenge levels.

Robotics I & II (1/2 credit)

10th - 12th Grade

1 semester

Students design working programs using LEGO Mindstorms Education NXT software and use tutorial software from Carnegie Mellon Robotics Engineering Academy. These programs are downloaded via USB cable or Bluetooth technology to robots constructed with LEGO Mindstorms NXT construction kits. Emphasis is placed on mechanics and construction, sequential programming, logical thinking, and troubleshooting techniques. More advanced programming includes My Blocks (modular code) and challenge projects requiring trial and error testing and modification to achieve stated objectives.

Web design (1/2 credit)

9th - 12th Grade

1 semester

Students will design working web pages and websites with coherent and logical folder and directory hierarchies using straightforward HTML coding, CSS, and the following software programs: Dreamweaver, Fireworks, Flash Pro, Bridge, and Photoshop. In addition, students will handle more advanced web-related projects, working knowledge of FTP, ColdFusion, and other data-based Internet protocols and procedures. This course may be repeated multiple times at advanced challenge levels.

THEOLOGY

4 credits required (*waived for transfer students)

Department Philosophy: Throughout their years here at Lutheran High North our youth encounter the historical reality of the Biblical characters, culminating in Jesus Christ. More than mere historical facts, the students also grow in their personal relationship with a victorious, resurrected and ever-present Lord and Savior. The students are empowered with tools to apply God's perfect law to their lives. Constantly, the students are reminded of the absolute certainty of their eternal salvation by grace through faith. Instruction in this department culminates with a study in Apologetics, a class designed to help students defend their Christian faith.

Old Testament (1 credit)

9th Grade

2 semesters

required *

When Jesus spoke of the "Scriptures" He was talking about the Old Testament – the Book that testified about Him (John 5:39). The Old Testament is both the record of the destruction that sin brought to our world and the scarlet thread of God's grace seen in the promised Messiah. The students will encounter the face of Jesus and His grace by studying Genesis through II Kings with an extensive overview of the Major and Minor Prophets.

New Testament (1 credit)

10th Grade

2 semesters

required *

Within the pages of the New Testament, the student will explore the historical facts of their Savior, and the meaning that has for their present-day lives. The students will experience the power of the Holy Spirit working through the Word to "make them wise unto salvation" (2 Timothy 3:15). This class includes a study of the Gospels, the book of Acts, Paul's letters and the general letters. Each New Testament book with the exception of Revelations (taught in the "Eschatology" course) will be covered.

Doctrine and Eschatology (1 credit)

11th Grade

2 semesters

required *

The first semester will be an in-depth study of the major doctrines of the Christian church. These doctrines are taught from a Lutheran perspective and the differences between the major Christian denominations is considered and discussed. The second semester will include a study of all the eschatological writings of Holy Scripture. The ultimate culmination of the promises of God in Christ Jesus is the resurrection to eternal life. The students will use Scripture as a tool to discern evil and assure them of their eternal salvation. An in-depth study of the book of Revelation along with other Biblical prophetic passages referring to the End Times is included in this course.

Apologetics (1 credit)

12th Grade

2 semesters

required

"For the time will come when men will not put up with sound doctrine" (2 Timothy 4:3). Apologetics is the study of the core teachings and tenants of the Holy Scriptures and the Rock-Solid Foundation (Luke 6:48) on which our faith is secure. The Scriptures are the sole source and norm for all aspects of life here on earth. The students are taught how to defend their faith in the world with special emphasis on specific questions asked by atheist professors in college. Finally, students are given a look at each major religion of the world with special field trips included.

ADDITIONAL ELECTIVES through LEAH ONLINE

Our online courses are a rigorous and accelerated academic experience.

Expect to spend between one-two hours a day on coursework.

Supplemental material fees may apply.

Business Law (1/2 credit)

9th - 12th Grade

This course focuses on the foundation of the U.S. legal system in the areas of business and personal law. Students will explore the evolution of our legal and court systems, and understand criminal, civil, property, employment and contract laws, including legalities in business and financing. Activities include, but are not limited to, discussion questions, weekly summaries, lectures, and multi-media activity.

Music Appreciation (1/2 credit)

In this course, students explore a variety of musical styles, forms, fundamentals, instruments, and composers. They will learn about the social backgrounds of various artists and how the various styles and periods reflect the mainstream of history and influence and are influenced by the society at large. There is a focus on listening skills that sharpen students' aesthetic valuing of music and its elements that allows students to engage and interact with music. Students gain an understanding of melody, harmony, rhythm and meter, tempo, dynamics, and others, and learn how these are combined to produce the effects of the music they hear. Learning methodology includes assigned readings, listening, lectures, discussion responses, high-frequency online interaction with classmates, and introspective learning summaries.

Video Game Design (1/2 credit)

This semester course provides an introduction to the game design industry to study various career opportunities. Students will evaluate games and their use of images, sound effects and music to make the games attractive to players. Using game design software, they will develop multilevel games. Students will design a game from scratch using relevant software, and add original sound effects, audio, and music.

Writing Experience (1 credit)

12th Grade

This course of study includes writing for the college-bound student, as well as those who aspire to grow in their writing abilities. In a writing workshop, the students will analyze and develop individual writing skills with an emphasis on expository and creative forms as well as a focus on grammar. The students will be encouraged to publish their works.