

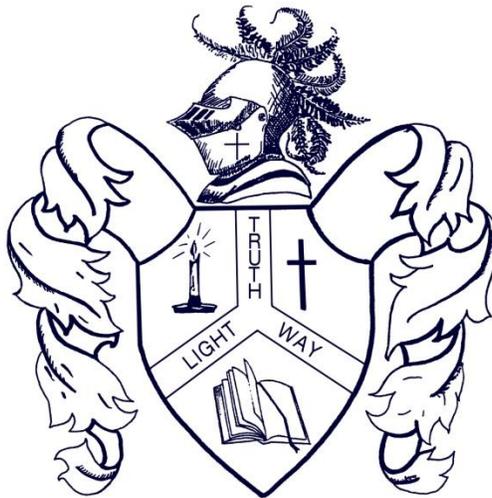
CONCORDIA

LUTHERAN HIGH SCHOOL



ENROLLMENT

CURRICULUM GUIDE



CONCORDIA

LUTHERAN HIGH SCHOOL

700 East Main Street

Tomball, Texas 77375

School Office Phone: 281-351-2547

School Fax: 281-255-8806

www.clhs-tx.org

ENROLLMENT CURRICULUM GUIDE

2015-2016

Table of Contents

Graduation Requirements	page 1
Theology Department	page 2
Theology Department Course Descriptions	
Language Arts Department	page 4
Language Arts Department Course Descriptions	
Mathematics Department	page 7
Mathematics Department Course Descriptions	
Science Department	page 11
Science Department Course Descriptions	
Social Studies Department	page 13
Social Studies Department Course Descriptions	
Foreign Language Department	page 16
Foreign Language Course Descriptions	
Fine Arts Department	page 18
Fine Arts Department Course Descriptions	
Business/Technology Department	page 21
Business/Technology Department Course Descriptions	
Physical Education and Health Department	page 22
Physical Education and Health Course Descriptions	
Agriculture and Consumer Sciences	page 23
Agriculture and Consumer Science Course Descriptions	
Non-Academic Options	page 24
Study Hall	
Student Aide	
Course Planning Guides	page 25
Course Selection Guides (4 years)	

GRADUATION REQUIREMENTS

Classes of 2015-2017

	<u>Minimum Plan</u>	<u>Recommended Plan</u>	<u>Distinguished Plan*</u>
Theology**	4 credits	4 credits	4 credits
Language Arts	4 credits	4 credits	4 credits
Mathematics	3 credits	4 credits	4 credits
Science	2 credits	4 credits	4 credits
Social Studies	3 ½ credits	3 ½ credits	3 ½ credits
Economics	½ credit	½ credit	½ credit
Physical Education	1 credit	1 credit	1 credit
Foreign Language	None	2 credits	3 credits
Health	½ credit	½ credit	½ credit
Technology	1 credit	1 credit	1 credit
Fine Arts	1 credit	1 credit	1 credit
Speech	½ credit	½ credit	½ credit
Elective Courses	6 credits	4 credits	3 credits
<hr/>			
Total Credits	27	30	30

*Distinguished Plan also includes four advanced measures, i.e., an AP score of 3 or higher or a Dual Credit grade of C or higher. Physics must be taken in the junior year and successfully passed.

** Students who transfer to CLHS do not need to meet theology requirements for the semesters during which they attended another school.

Class of 2018 and Beyond

The State of Texas recently made changes to the graduation plans. These changes include moving away from graduation plans to the concept of a student earning endorsements. Of course, the new plans will be re-evaluated and possible changes taking place. CLHS is able to offer most of the endorsements based on current courses offered, but at this time, students attending CLHS will be placed on the Multi-disciplinary Endorsement. Towards the end of the students' sophomore year, they will be given an opportunity to request a particular endorsement that CLHS offers if they so desire. Being a college prep school, it is important that students stay on the 4 x 4 (four years of core classes). Colleges are still currently requiring this. This is why we encourage students to graduate with the Multi-disciplinary endorsement.

THEOLOGY

The theology department at CLHS is committed to proclaiming the good news of Jesus Christ, so each student will (1) know that they, too, are part of God's Redemptive story through faith in Jesus Christ, (2) have the opportunity to live as ambassadors of Christ, and (3) be able to provide an appropriate witness to critics of the Christian faith.

FRESHMAN THEOLOGY – BIBLICAL FOUNDATIONS

HEBSCSS – HEBREW SCRIPTURE (OLD TESTAMENT)

1 semester.....0.5.credit

This is a one-semester course exploring the content, message, literature, and history of the Old Testament. Particular attention is given to how Scripture and the message of the Gospel have influenced culture through the ages to today. Students will gain knowledge of Biblical content (Old Testament), characters, poetry, and narratives that are prerequisites to understanding contemporary society and culture, including literature, art, music, mores, oratory, and public policy.

N.B., This theology course fulfills TEKS 113.38 requirements for 0.5 credit elective course in Social Studies.

NEWTSS – NEW TESTAMENT

1 semester.....0.5.credit

This is a one-semester course exploring the content, message, literature, and history of the New Testament. Particular attention is given to how Scripture and the message of the Gospel have influenced culture through the ages to today. Students will gain knowledge of Biblical content (New Testament), characters, poetry, and narratives that are prerequisites to understanding contemporary society and culture, including literature, art, music, mores, oratory, and public policy.

N.B., This theology course fulfills TEKS 113.38 requirements for a 0.5 credit elective course in Social Studies.

SOPHOMORE THEOLOGY – INTERPRETING GOD'S WORD

INTERPRETATION OF SCRIPTURE

1 semester...0.5 credit

This is a one-semester course exploring the principles of Biblical understanding and basic skills of Biblical interpretation. Students will learn how to make sense of the Biblical message through an interpretive framework. Students will also learn how to report the findings of their research in an exegetical paper and learn how to present their findings as the leader in a small group bible study.

INTRODUCTION TO BIBLICAL AND HISTORICAL THEOLOGY

1 semester.....0.5 credit

This is a one-semester course exploring the major Biblical teachings and how these teachings are challenged and upheld through the history of the Christian Church. Special focus will be given on how Christian leaders through the centuries have maintained a Biblical worldview while applying the Gospel message to their immediate context.

JUNIOR THEOLOGY – DISCOVERING ONE’S PURPOSE AND MISSION IN LIFE

CHRISTIAN VOCATION AND WORSHIP

1 semester....0.5 credit

This is a one-semester course where students will explore who God has made them to be. With the help of a few personality tests, students will discover how God has wired them emotionally, physically, and relationally. Once students have a good idea of who they are, they will explore God’s call and will for their life. Over the course of this semester students will learn what it looks like to live a life of significance as a child of God.

CHRISTIAN LIFE OF PEACE

1 semester....0.5 credit

This one-semester course will look at John 20:26 and explore what it looks like to bring peace into a fallen world. This unit will provide students with the skills of how to confront conflict in a peaceful manner and develop conflict mediation skills. One unit of this class will be devoted to learning about God’s design for relationships and intimacy.

SENIOR THEOLOGY – THE CHRISTIAN IN AN UNCHURCHED CULTURE

CHRISTIAN APOLOGETICS

1 semester....0.5 credit

This is a one-semester course devoted to preparing and equipping the student to defend the faith from modern and postmodern criticism. Special emphasis is given to challenging students to develop critical thinking skills, developing skills in sharing the story of salvation, and understanding how to provide an appropriate witness to critics of the Christian faith.

CHRISTIAN ETHICS

1 semester....0.5 credit

This is a one-semester course exploring various ethical systems and Biblical ethics. Students will learn how to process the aspects of various ethical dilemmas. They will develop skills in assessing these situations using various systems of consideration. Students will be challenged daily to apply a Biblical worldview to difficult circumstances in a reasonable and comprehensive manner.

SPIRITUAL LIFE AT CLHS – BY INVITATION/APPLICATION

1 semester....0.5 credit

This course will be offered each semester, and it will be open to 10th – 12th grade students who are ready to live out their faith and love for Jesus as servant leaders at CLHS. Each class will have a maximum of 20 students who will enroll through an application process. These students will assist in the planning of chapels, service opportunities, and other leadership opportunities within the life of CLHS.

Prerequisite: Complete one year of Theology Coursework.

CHRISTIAN SOCIAL ACTION

2 semesters.....1 credit

This year long course is open to 11th – 12th grade students and is designed to teach them about social action and responsibility in the context of our Christian faith. Students will move beyond the classroom and work for a selected non-profit or service organization on Wednesday/Thursday block days throughout the school year. Students will develop continuing relationships where they volunteer and serve weekly, while in-class projects and reflections will promote greater social awareness, leadership, and spiritual growth. This class will have a maximum of 20 students who will enroll through an application process.

Juniors: Can choose either this course or Christian Vocation/Christian Peace for theology credit.

Seniors: This theology course fulfills TEKS 113.47 requirements for an elective credit course in Social Studies.

LANGUAGE ARTS

ENGLISH I

Grade 9.....2 semesters.....1 credit

English I combines grammar usage, journal writing, vocabulary, the writing process, essay development and various genres of literature. Emphasis is placed on grammatical rules and usage, the Greek myths, a Shakespearean play, a novel and a research paper.

ENGLISH I PRE-AP

Grade 9.....2 semesters.....1 credit

In addition to all of the elements of English I, the English I Pre-AP course follows the Advanced Placement standard criteria for writing and literary analysis. Higher-level vocabulary is incorporated, as well as extensive research techniques. This course is for the highly organized, responsible and self-motivated student who is preparing to work at the college level and take the AP exam at the end of English III and English IV.

Prerequisite: Placement exam scores and the eighth grade English teacher recommendation form are used to help determine placement in Pre-AP.

ENGLISH II

Grade 10.....2 semesters.....1 credit

English II combines units of writing and reading. Emphasis is placed on the various genres of literature, writing skills, grammatical rules and usage, and various forms of writing, including journal writing, creative writing and thesis papers. Vocabulary is also stressed this year.

ENGLISH II PRE-AP

Grade 10.....2 semesters.....1 credit

In addition to all of the elements of English II, the English II Pre-AP course follows the standard criteria, guidelines and expectations for literary analysis and college-level writing. The novel-based, thematic organization of the class allows for individual student growth through a variety of literary genres (nonfiction, poetry, etc.) and related projects. Vocabulary is emphasized. This course requires a student who is highly organized, responsible, self-motivated and willing to put in extra time and effort outside the classroom.

Prerequisites: At least an 85% in English I Pre-AP or a 93% in English I, a cumulative GPA of 3.5 or higher and departmental/counselor approval

ENGLISH III

Grade 11.....2 semesters.....1 credit

English III combines American literature with the study of grammar and writing. Emphasis is placed on the various genres and literary periods in American literature, the writing process, grammatical rules and usage, journal writing and vocabulary.

ENGLISH III AP LANGUAGE AND COMPOSITION

Grade 11.....2 semesters.....1 credit

In addition to all the elements of English III, the English III AP course follows the standard criteria, guidelines and expectations for literary analysis and college-level writing. The novel-based, thematic organization of the class allows for individual student growth through a variety of literary genres (nonfiction, poetry, etc.) and related projects. Vocabulary is emphasized. This course requires a student who is highly organized, responsible, self-motivated and willing to put in extra time and effort outside the classroom. The AP student will be prepared to take the AP Language and Composition exam at the end of AP English III.

Prerequisites: At least an 85% in English II Pre-AP or a 93% in English II, a cumulative GPA of 3.5 or higher and departmental/counselor approval

Reconsideration of a Novel Taught in English Class

The English Department, with the approval of the principal, carefully selects novels based upon the book's academic merit. If a parent has concerns regarding a novel's content, first contact the teacher and then the English department head and, if necessary, the principal.

ENGLISH IV

Grade 12.....2 semesters.....1 credit

English IV combines British literature, world literature and college composition. Emphasis is placed on literature written in Britain from the Anglo-Saxon time period (450-1100 AD) through the twentieth century, world literature selections and on writing skills and various forms of writing. Vocabulary is also emphasized.

ENGLISH IV AP LITERATURE AND COMPOSITION

Grade 12.....2 semesters.....1 credit

In addition to all of the elements of English IV, the English IV AP course follows the standard criteria, guidelines and expectations for literary analysis and college-level writing. The novel-based, thematic organization of the class allows for individual student growth through a variety of literary genres (nonfiction, poetry, etc.) and related projects. Vocabulary is emphasized. This course requires a student who is highly organized, responsible, self-motivated and willing to put in extra time and effort outside the classroom. The AP student will be prepared to take the AP Literature and Composition exam at the end of AP English IV.

Prerequisites: At least an 80% in AP English III or a 93% in English III, a cumulative GPA of 3.5 or higher and departmental/counselor approval

Reconsideration of a Novel Taught in English Class

The English Department, with the approval of the principal, carefully selects novels based upon the book's academic merit. If a parent has concerns regarding a novel's content, first contact the teacher and then the English department head and, if necessary, the principal.

ADVANCED JOURNALISM--YEARBOOK

Grades 10-12.....2 semesters.....1 credit

This course is designed to teach the journalism processes (writing and layout) while producing (from start to finish) the school yearbook. Students are also responsible for raising the money to produce the yearbook through selling advertisements. Advanced Journalism-Yearbook serves as an elective. Students must apply with the teacher in the spring to take the class. This course is usually reserved for upperclassmen.

Prerequisites: *Freshman English and Yearbook sponsor approval*

ADVANCED JOURNALISM—NEWSPAPER

Grades 10-12...2 semesters.....1 credit

This course is designed to teach the process of newspaper writing. Students will produce a monthly school newspaper and will be required to sell advertisements for the publication. Advanced Journalism-Newspaper serves as an elective. Students must apply with the teacher in the spring to take the class. This course is usually reserved for upperclassmen.

Prerequisites: *Freshman English and Newspaper sponsor approval*

COMMUNICATION APPLICATIONS

Grades 9-12....1 semester.....0.5 credit

Communication Applications is an interactive course designed to study and improve basic communication skills and elements, personal communication roles and responsibilities, group and social communication processes, as well as preparation, organization and delivery techniques for public speaking.

DEBATE I

Grades 9-12...2 semesters.....1 credit

Debate is designed to improve students' skills in speaking, listening, composing and reasoning through practical experiences and applications, especially during scheduled competitions. The course includes a concentration in parliamentary procedure, the techniques of persuasion, means of detecting propaganda and fallacies, and building argument. Students will be exposed to extemporaneous speaking, original oratories, and/or Lincoln-Douglas and public forum debating. This course requires competitive speaking and debating in weekend tournaments.

Students who remain in Debate I for the full year will meet their speech graduation requirement. Students will earn ½ credit in Debate and ½ credit in Professional Communications.

Prerequisite: *Teacher approval*

DEBATE II HONORS

Grades 10-12...2 semesters.....1 credit

The student analyzes controversial issues, develops and demonstrates skills for debating propositions of value and policy, applies the basic concepts of argumentation and refutation. Students will participate in **extemporaneous speaking, original oratory, and/or Lincoln-Douglas and public forum debating**. Since this course was developed and taught for competitive speaking and debate, students are **required to compete in tournaments**. This course will require practices and rehearsals prior to competition and performances. This is a year-long course.

Prerequisite: *Debate I and teacher approval*

ORAL INTERPRETATION I

Grades 9-12...2 semesters.....1 credit

In competitive speech, students will learn to select literature for performance, research and apply analysis to performance choices, and refine voice and diction. It will feature an emphasis on forensics which will necessitate extensive practice and rehearsal in oral performances such as humorous interpretations, dramatic interpretations, duo interpretations in humorous and dramatic, duo-acting, and original oratories. This course requires competitive speaking in weekend tournaments.

Students who remain in Oral Interpretation I for the full year will meet their speech graduation requirement. Students will earn ½ credit in Oral Interpretation and ½ credit in Professional Communications.

Prerequisite: Teacher approval

ORAL INTERPRETATION II HONORS

Grades 10-12...2 semesters.....1 credit

In oral interpretation, students will select literature appropriate for the reader, the audience, and the occasion and apply appropriate criteria for lifting scenes and cutting literary selections in poetry and prose, solo acting, and duo-acting. Since this course was developed and taught for competitive speaking and performing, students are required to compete in tournaments. This course will require practices and rehearsals prior to competitions and performances. This is a year-long course.

Prerequisites: Oral Interpretation I and teacher approval

CREATIVE WRITING I

Grades 11-12...1 semester...0.5 credit

Creative Writing is designed to foster a love of writing while helping students refine their writing skills. Students will have the opportunity to journal, as well as create short stories, poetry, and drama in an intellectually stimulating atmosphere with the ultimate goal of submitting finished pieces for publication. Additionally, each one act play will be considered as a possible contender for a performance by the theatre arts class. Class time is spent writing, discussing individual works, and engaging in the occasional “coffee house” share session. Along with writing, students will read a variety of genres--- memoirs, short stories, poetry, advertisements, and one act plays.

CREATIVE WRITING II HONORS

Grades 11-12....1 semester....0.5 credit

Creative Writing II Honors provides students with the opportunity to write extensively from one or two of the genres practiced in the Creative Writing I course, including poetry, drama, short story, and creative nonfiction. This course offers an elevated GPA for motivated students who wish to further their craft and submit manuscripts for publication. The course will include field trips, public reading of works in progress, and peer review.

Prerequisites: Creative Writing I and teacher approval

MATHEMATICS

If a student has already taken and received credit for Algebra I, provided he/she has taken the course in junior high for high school credit, then he/she will be placed into Geometry or Geometry Pre-AP.

ALGEBRA I

Grade 9....2 semesters.....1 credit

Algebra I is the study of the real number system, algebraic expressions, polynomial expressions, equations, inequalities, factoring, graphing and functions. Algebra I credit is required of all students.

GEOMETRY

Grades 9-10.....2 semesters.....1 credit

Geometry is the study of an object's shape and size. Students will integrate algebra into their study of geometry through graphing and the use of many algebraic formulas. Students will also develop a logical approach to problem solving using inductive and deductive reasoning. Geometry credit is required of all students.

Prerequisite: *Algebra I*

GEOMETRY PRE-AP

Grades 9-10.....2 semesters.....1 credit

Geometry Pre-AP includes all the elements of geometry, but adds material that supports the use of higher-level problem solving skills. More emphasis is placed on logic and formal proofs are required. This course is designed to prepare a student for future Pre-AP coursework that leads to AP Calculus.

Prerequisites: *For incoming freshmen - Algebra I, placement exam scores and departmental/counselor approval*
For sophomores – Algebra I and departmental/counselor approval

ALGEBRA II

Grades 10-12.....2 semesters.....1 credit

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 functions (including inverse, exponential and rational functions), matrices, quadratic equations, radical expressions, irrational numbers, coordinate geometry, logarithms, binomial expansion and conics. Students will be expected to answer quiz and test questions with and without a calculator.

Prerequisites: *Algebra I and Geometry*

ALGEBRA II PRE-AP

Grades 10-11.....2 semesters.....1 credit

This course includes all of the elements of Algebra II as well as problems with more applications to geometry and science. Enrichment topics will be added including truth tables and parametric equations. Students will be expected to be able to explain and justify answers given on quizzes and tests. This course is designed to prepare a student for AP Calculus. Graphing Calculators are required.

Prerequisites: *At least an 85% in Geometry Pre-AP or a 93% in Geometry, an Algebra I grade of at least a B average, a cumulative GPA of 3.5 or higher and departmental/counselor approval*

ADVANCED ALGEBRA WITH FINANCIAL APPLICATIONS

Grades 11-12.....2 semesters.....1 credit

Advanced Algebra with Financial Applications is a college-preparatory course that will use sophisticated mathematics to give you the tools to become a financially responsible young adult. The course employs selected topics in Algebra II, Pre-Calculus, Probability, Statistics, and Geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying the relevant mathematics. Field projects, computer spreadsheets, and graphing calculators are key components of the course.

Prerequisite: *Geometry*

PRE-CALCULUS

Grades 11-12....2 semesters.....1 credit

Pre-calculus brings together topics from Algebra I, Algebra II, analytic geometry and trigonometry through a strong functions approach. The study progresses from the real number line and plane through Algebraic functions, trigonometry, logarithmic functions, conic sections, sequences and series, and infinite series.

Prerequisites: *Algebra II and departmental/counselor approval*

COLLEGE ALGEBRA DUAL CREDIT

Grades 11-12...1 semester...0.5 high school credit...3 hours college credit

All students enrolling the course must meet the requirements of Lone Star College and enroll by June for the fall semester at Lone Star College - Tomball in College Algebra. A grade of C or better is required for college credit. The course includes material from Math 1314 – College Algebra at Lone Star College (topics include absolute value and quadratic equations and inequalities, graphing skills, inverse functions, logarithmic and exponential functions, polynomial and rational functions, piecewise functions, theory of equations, and systems of equations).

Prerequisites: *Geometry, Algebra II, departmental/counselor approval and acceptance into Lone Star College*

TRIGONOMETRY DUAL CREDIT

Grades 11-12...1 semester...0.5 high school credit...3 hours college credit

All students enrolling in the course must meet the requirements of Lone Star College and enroll in November for the spring semester at Lone Star College – Tomball in Trigonometry. A grade of C or better is required for college credit. The course includes material from Math 1316 – Trigonometry at Lone Star College (Topics include trigonometric functions and their applications solutions of right an oblique triangles, trigonometric identities and equations, inverse trigonometric functions and graphs of the trigonometric functions).

Prerequisites: *Geometry, Algebra II, College Algebra, departmental/counselor approval and acceptance into Lone Star College*

PRE-CALCULUS DUAL CREDIT

Grades 11-12...2 semesters...1 high school credit...4 hours college credit

All students enrolling in the course must meet the requirements of Lone Star College and enroll in November for the spring semester at Lone Star College – Tomball in Pre-Calculus. A grade of C or better is required for college credit. The course includes material from Math 2412 – Pre-Calculus at Lone Star College (an integrated treatment of topics including polynomial, rational, exponential, logarithmic, and trigonometric functions and conics).

Prerequisites: *Geometry, Algebra II, departmental/counselor approval and acceptance into Lone Star College*

STATISTICS AP

Grades 11-12....2 semesters.....1 credit

In this course, students will investigate the trends and patterns from sets of data and discuss what, if anything, can be inferred from the findings. There will be exploration of the different graphical and numerical methods of communicating data, examination of a variety of methods for collecting data, and discussion about how to construct a well-designed study. Time will be spent investigating the principles of probability and establishing parameters for making inferences about sets of data. Throughout this work, students will be prepared to take the AP Statistics exam in May. This is a great course for juniors and seniors to earn the 4th year math requirement. It is a very practical class.

Prerequisites: *Geometry, Algebra II, departmental/counselor approval*

STATISTICS DUAL CREDIT

Grades 11-12...2 semesters...1 high school credit...3 hours college credit

All students enrolling in the course must meet the requirements of Lone Star College and enroll by June for the fall semester at Lone Star College - Tomball in Statistics. A grade of C or better is required for college credit. The course includes material from Math 1342 – statistics at Lone Star College (an introduction to the concepts and methods of statistics). Topics include probability, random variables, binomial and normal distributions, random sampling, statistical inference, hypothesis testing, linear regressions and correlations, and chi-square test).

Prerequisites: *Geometry, Algebra II, departmental/counselor approval and acceptance into Lone Star College*

FINITE MATHEMATICS DUAL CREDIT

Grade 12...1 semester...0.5 high school credit...3 hours college credit

This course follows Pre-Calculus and provides a local advanced math credit for students. Finite Mathematics may be taken in conjunction with AP Calculus or as an additional year of mathematics after Pre-Calculus. All students enrolling in the course must meet the requirements of Lone Star College and enroll by June for the fall semester at Lone Star College – Tomball in Finite Math. A grade of C or better is required for college credit. This course includes material from Math 1324 - Finite Mathematics at Lone Star College including matrices, systems of equations, linear programming, the simplex method, probability, and the mathematics of finance.

Prerequisites: *Pre-Calculus or College Algebra, Trigonometry, departmental/counselor approval and acceptance into Lone Star College*

ELEMENTS OF CALCULUS DUAL CREDIT

Grade 12...1 semester...0.5 high school credit...3 hours college credit

This course follows Pre-Calculus and provides a local advanced math credit for students. Elements of Calculus may be taken in conjunction with AP Calculus or as an additional year of mathematics after Pre-Calculus. All students enrolling in the course must meet the requirements of Lone Star College and enroll in November for the spring semester at Lone Star College – Tomball in Elements of Calculus. A grade of C or better is required for college credit. This course includes material from Math 1325 - Elements of Calculus at Lone Star College including limits, continuity, rates of change, differentiation and integration techniques and applications, calculus of the logarithmic and exponential functions and partial derivatives.

Prerequisites: *Pre-Calculus or College Algebra, departmental/counselor approval and acceptance into Lone Star College*

CALCULUS I AP AB

Grade 12.....2 semesters.....1 credit

This course follows the rigorous curriculum developed by the College Board covering limits, derivatives, integrals and a variety of applications of each. In preparation for the AP exam given in May, students will be expected to answer test questions with and without a graphing calculator. Students will also be expected to be able to justify and explain answers given on a test.

Prerequisites: *Pre-Calculus Dual Credit and departmental/counselor approval*

SCIENCE

INTEGRATED PHYSICS AND CHEMISTRY

Grades 9-10.....2semesters.....1 credits

In Integrated Physics and Chemistry, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem-solving skills. This course integrates the disciplines of physics and chemistry in the following topics: motion, waves, energy transformations, properties of matter, changes in matter, and solution chemistry. Laboratory experiments and activities will reinforce material discussed in lecture.

Prerequisites: Departmental/counselor approval

BIOLOGY I

Grades 9-10.....2 semesters.....1 credit

In Biology I, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical-thinking and scientific problem-solving skills. Biology I emphasizes the continuity and diversity of God's creation through the study of a variety of topics that include: structures and functions of cells and viruses; growth and development of organisms; cells, tissues, and organs; nucleic acids and genetics; creationism and the theory of evolution; taxonomy; metabolism and energy transfers in living organisms; living systems; homeostasis; ecosystems; and plants in the environment. Lab experiences and dissections are a major component of this course.

Prerequisite: Placement exam scores are used to help determine placement into Biology I.

BIOLOGY I PRE-AP

Grade 9.....2 semesters.....1 credit

Biology I Pre-AP covers the same material as Biology I, but in significantly greater depth and at a faster pace. There is a greater emphasis on analytical thinking, problem-solving skills, and scientific application. Biology I Pre-AP is designed to prepare students for Biology II AP. Students are responsible for more independent projects, self-study, reading, and essay writing.

Prerequisite: Placement exam scores are used to help determine placement into Biology I Pre-AP.

BIOLOGY II AP

Grade 11-12.....2 semesters.....1 credit

Biology II AP is a college-level biology survey course for juniors and seniors seeking advanced instruction in cell and molecular biology, taxonomy of organisms, and human systems. Classroom experiences emphasize acquiring and understanding the facts and concepts that support the broad themes of modern biology. Laboratory experiences emphasize the thought processes and techniques actually used in biological research. All students are required to take the College Board AP Final Exam.

Prerequisites: 85% in Biology I Pre-AP or 93% in Biology I, 85% in Chemistry I Pre-AP or 93% in Chemistry I and departmental/counselor approval

CHEMISTRY I

Grade 10-11.....2 semesters.....1 credit

Chemistry I will give the student a better understanding of the world that God has created. Students will gain knowledge of measurement, dimensional analysis, the writing and naming of chemical compounds, the concept of the mole, chemical reactions, stoichiometry, the organization and development of the periodic table, chemical bonding, and solution chemistry. Problem-solving is a major facet of this course. Laboratory experiments and activities will reinforce material discussed in lecture.

Prerequisites: Algebra I, Biology I Pre-AP or 75% in Biology I and departmental/counselor approval

CHEMISTRY I PRE-AP

Grade 10....2 semesters.....1 credit

Chemistry I Pre-AP covers the same material as Chemistry I, but in significantly greater depth and at an accelerated pace. In addition, students will gain knowledge of oxidation-reduction, chemical equilibrium, gas laws, organic chemistry, nuclear chemistry, and descriptive chemistry. Problem-solving is a major facet of this course. Laboratory experiments and activities will reinforce material discussed in lecture. Chemistry I Pre-AP is designed to prepare students for Chemistry II DC.

Prerequisites: *Geometry, 85% in Biology I Pre-AP or 93% in Biology I and departmental/counselor approval*

CHEMISTRY II DUAL CREDIT

Grades 11-12...2 semesters...1 high school credit...8 hours college credit

All students enrolling in the course must meet the requirements of Lone Star College and enroll by June for the fall semester and November for the spring semester at Lone Star College – Tomball. A grade of C or better is required for college credit. Topics include a mathematical introduction (metric system, significant figures and scientific notation), discussion of atoms, molecules and ions, stoichiometry, electronic structures periodic relationships, bonding, molecular geometries and properties of gases, liquids, solids, and solutions. Appropriate lab experiments are included.

Prerequisites: *Algebra II, 85% in Chemistry I Pre-AP, departmental/counselor approval and acceptance into Lone Star College*

ENVIRONMENTAL SYSTEMS

Grades 11-12....2 semesters.....1 credit

In Environmental Science, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving skills. Students study a variety of topics that include: biotic and abiotic factors in habitats; ecosystems and biomes; interrelationships among resources and an environmental system; sources and flow of energy through an environmental system; relationships between carrying capacity and changes in populations and ecosystems; and changes in environments.

Prerequisites: *Biology I and Chemistry I*

RAD SCIENCE

Grades 11-12....2 semesters....1 credit

RAD Science (Scientific Research and Design) will be taught in distinctively different units by different teachers in the science department. Students will have the opportunity to explore and experience inquiry-based science while improving critical thinking and laboratory skills through units which may include, but are not limited to:

- 1) Forensic Science: The application of science to law enforcement.
- 2) Rube Goldberg (roobgöld'berg) n: A comically involved, complicated invention, laboriously contrived to perform a simple operation – Webster's New World Dictionary
- 3) Sustainable Agriculture
- 4) Scientific Experimentation & Analysis

Prerequisites: *Biology I, Chemistry I and departmental/counselor approval*

ANATOMY AND PHYSIOLOGY HONORS

Grades 11-12....2 semesters.....1 credit

Anatomy and Physiology Honors is designed to give the motivated upper level student an opportunity to study the structure and function of the mammalian body at the level of organs and organ systems, with an emphasis on human anatomy and physiology. Lab experiences and dissections are a major component of this course.

Prerequisites: *Biology I, Chemistry I and departmental/counselor approval*

PHYSICS I

Grades 11-12.....2 semesters.....1 credit

In Physics, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving skills. Students will gain knowledge of measurement, dimensional analysis, linear motion, forces, vectors, friction, circular motion, energy, momentum, heat, waves, sound, light, electricity and magnetism. This course is not as heavily math-oriented as Physics I Pre-AP. Problem solving is a major facet of this course. Laboratory experiments and activities will reinforce material discussed in lecture. This course provides students with a conceptual framework, factual knowledge, and analytical and scientific skills.

Prerequisites: *Biology I, Chemistry I and departmental/counselor approval*

PHYSICS I AP

Grades 11-12.....2 semesters.....1 credit

Physics I AP is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.

Prerequisites: *Students should have completed Geometry Pre-AP and be concurrently taking Algebra II Pre-AP or an equivalent course. Although the Physics I course included basic use of trigonometric functions, this understanding can be gained either in the concurrent math course or in the Physics I AP course itself.*

PHYSICS II AP

Grade 12.....2 semesters.....1 credit

Physics II AP is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.

Prerequisites: *Physics I AP and students should have taken or be concurrently taking Pre-Calculus or an equivalent course.*

SOCIAL STUDIES

WORLD GEOGRAPHY

Grade 9.....2 semesters.....1 credit

World Geography will study the world in spatial terms, places and regions, physical systems, human systems, environment and society. Students will master five skills: (1) Asking geographic questions (2) Acquiring geographic information (3) Organizing geographic information (4) Analyzing geographic information (5) Answering geographic questions.

WORLD GEOGRAPHY HONORS

Grade 9.....2 semesters.....1 credit

World Geography Honors will take the student to a higher level of critical thinking. It will focus the student on preparation to take the AP Human Geography exam and/or Dual Credit U.S. History in the junior year. The student must be willing to read more outside of class and research independently in and out of class. Projects and reports will be required in addition to the basic course. Consequently, the student should be self-motivated, organized, and responsible. Reading and writing skills should be highly developed.

Prerequisite: Placement exam scores are used to help determine placement in Honors.

WORLD HISTORY

Grade 10.....2 semesters.....1 credit

World History is a course offered to give students an overview of the history of humankind. The course covers humankind from the creation of man to the present day. Emphasis is placed on the studying of significant people, events and issues that have shaped the history of mankind. The course involves many interactive activities, including a group research project and oral presentation for each semester.

WORLD HISTORY HONORS

Grade 10.....2 semesters.....1 credit

World History Honors requires students to use higher-level critical thinking and writing skills in relation to the cause and effect of famous world events both in the past and the present. Two research papers will be required, along with additional outside readings.

Prerequisites: Approval of English I and World Geography teachers, at least an 85% in World Geography Honors or a 93% in World Geography and a cumulative GPA of 3.5 or higher

U.S. HISTORY

Grade 11.....2 semesters.....1 credit

This course is designed to help the student develop an in-depth understanding of the events which have shaped America since 1865-Reconstruction. It includes extensive coverage of the 1960s, 1970s and 1980s. In United States History, students will be required to use note-taking skills, verbal responses to questions to affirm comprehension of materials, and use decision making skills in simulations of historical events.

U.S. HISTORY TO 1877 DUAL CREDIT

Grade 11...1 semester....0.5 high school credit...3 hours college credit

This course is a survey of U.S. History from the Age of Discovery through the Civil War and Reconstruction. Special emphasis is placed on the emergence of the United States as a nation. Other topics will include Westward Expansion, Slavery, the Civil War, and Reconstruction. The purpose of this course is to provide students with an interpretive analysis of the social, economic, political, and intellectual dynamics that have shaped United States history before 1877.

Prerequisites: Approval of English II and World History teachers with respect to written work which must demonstrate critical thinking and writing skills, at least an 85% in World History Honors or a 93% in World History, a cumulative GPA of 3.5 or higher and acceptance into Lone Star College

U.S. HISTORY SINCE 1877 DUAL CREDIT

Grade 11...1 semester...0.5 high school credit...3 hours college credit

This course is a survey of U.S. history from the end of a Reconstruction to the present. Special emphasis is placed on the emergence of the United States as a world power and our subsequent assumption of international responsibilities. Other topics will include: Westward Expansion, Industrialization, Immigration, World War I, World War II, the subsequent Cold War, Vietnam, and the collapse of the Soviet Empire.

Prerequisites: Approval of English II and World History teachers with respect to written work which must demonstrate critical thinking and writing skills, at least an 85% in World History Honors or a 93% in World History, a cumulative GPA of 3.5 or higher and acceptance into Lone Star College

SOCIOLOGY

Grades 11-12....1 semester....0.5 credit

Sociology is the science that studies human society and social behavior. The course will help students gain a better understanding of social interaction - how people relate to one another and influence each other's behavior. Special emphasis is given to group participation and team building. Reading and writing skills are essential.

PSYCHOLOGY

Grades 11-12....1 semester....0.5 credit

In Psychology, students consider the development of the individual and personality. The study of psychology is based on an historical framework, and relies on effective collection and analysis of data. Students study topics such as: theories of human development, personality, motivation and learning. Reading and writing skills are essential.

ECONOMICS

Grade 12.....1 semester.....0.5 credit

Economics will emphasize free enterprise and its benefits, as well as an in-depth study of other international economic forms. A study of basic household finances in relation to international finances and their historical development will also be taught. Students will apply critical thinking skills to create economic models and to evaluate economic activities at all levels.

ECONOMICS HONORS

Grade 12.....1 semester.....0.5 credit

Students enrolled in Economics Honors will analyze the economy as a whole, as well as the behavior of individuals, businesses and markets. Emphasis will be placed on comparative economic theories, as well as current economic issues. Sample activities include: debates, essays, critiques, web-based activities, stock market games, current events and independent research.

Prerequisites: Approval of English III and U.S. History teachers, at least an 80% in U.S. History DC or a 93% in U.S. History and a cumulative GPA of 3.5 or higher

GOVERNMENT

Grade 12.....1 semester.....0.5 credit

Basic American and international governments are presented. The class is broken down into four major sections: writing the Constitution and Madisonian principles; public opinion, elections and linkage institution; Civil Rights and Civil Liberties; and the branches of government. Students are required to apply their knowledge to current events on a regular basis. Major projects and activities include: exams, current event analysis, Supreme Court case synopsis and public polling.

GOVERNMENT AP

Grade 12.....1 semester.....0.5 credit

Advanced Placement (AP) Government is a course that is a comprehensive study of the United States governmental system and political behavior. This college-level course puts an emphasis on the study of the United States Constitution, not only from an historical basis, but also from an interactive and constantly evolving document perspective affecting our daily lives. The course includes a study of documents that shaped our political foundation, the structure and roles of the three branches of government, the formation of government policy, and the rights and responsibilities of citizenship in a democratic state. The text will serve as a resource, in addition to other essays, readings, case studies and Internet sites. Independent reading and research is an important component to the student's success in this course. The course also has a major emphasis on analytical writing skills and responding to major United States Supreme Court cases.

Prerequisites: Approval of English III and U.S. History teachers with respect to written work which must demonstrate critical thinking and writing skills, at least an 80% in U.S. History DC or a 93% in U.S. History and a cumulative GPA of 3.5 or higher

FOREIGN LANGUAGE

SPANISH I

Grades 9-11.....2 semesters.....1 credit

This course is designed to present the basic concepts in Spanish. Students will be evaluated on using the language in all contexts: speaking, listening, reading and writing. The culture and geography of Spanish-speaking countries is explored. Grammar skills include sentence structure, nouns, pronouns, adjectives, articles, prepositions, and the conjugation of basic verbs in the present and simple past tenses. Vocabulary topics include: days/months, numbers, colors, weather, physical characteristics, emotions, family members, house, school, food, restaurants, vacations, clothing and shopping.

Prerequisite: Recommended grade average of 80 or above in the previous year's English course

SPANISH II

Grades 9-12.....2 semesters.....1 credit

Spanish II is an intermediate course in which reading, speaking, listening, and writing skills taught in Spanish I are expanded and refined. The culture and geography of Spanish-speaking countries is explored. Grammar development includes: review of all present tense verbs; study of the past tenses and their usage; future and conditional tenses; usage of reflexive, indirect, and direct object pronouns; and comparatives and superlatives. Vocabulary topics include: school, daily routine, clothing, leisure activities, childhood, family and holidays, the future, and travel.

Prerequisites: Grade average of 80% or above in Spanish I and teacher recommendation

SPANISH III HONORS

Grades 9-12.....2 semesters.....1 credit

Spanish III Honors offers the student the opportunity to apply the knowledge gained from Spanish I and II in a more practical and relevant way. A larger emphasis is placed on the usage of the language through speaking, listening, and conversation. In addition, special attention is given to cultural themes and topics in Spanish-speaking countries. With the exception of grammatical explanation, class is held mostly in Spanish.

Prerequisites: Grade average of 85% or above in Spanish II and teacher recommendation

SPANISH IV AP

Grades 10-12..... 2 semesters.....1 credit

The AP Spanish Language course is conducted completely in Spanish. The course is designed to help prepare students to demonstrate their level of Spanish proficiency for the AP Spanish Language Exam. The course is meant to be comparable to fifth and sixth semester college and university courses that focus on speaking and writing in the target language at an advanced level. A wide variety of spoken and written materials will be used to train students to understand Spanish in formal and informal situations, and to enhance their abilities to express themselves accurately and resourcefully, both orally and in writing.

Prerequisites: *Grade average of 85% or above in Spanish III H and teacher recommendation*

AMERICAN SIGN LANGUAGE I

Grades 9-12.....2 semesters.....1 credit

This course develops expressive and receptive fingerspelling skills. Receptive skills focus on whole-word and phrase recognition as well as identifying fingerspelling words in context. Expressive skills focus on the development of speed, clarity, and fluency. This course is an introduction to American Sign Language called (ASL), a visual gestural language which is distinct from English. American Sign Language will be used in class for language functions such as introductions, asking for and giving directions, making requests and talking about and identifying others. Emphasis is placed on the contextual use of facial expressions, body, head and eye movements as essential grammatical functions, and its application within the Deaf Community.

AMERICAN SIGN LANGUAGE II

Grades 10-12.....2 semesters.....1 credit

This course is designed to continue development of the American Sign Language (ASL) skills with primary focus on refining the use of basic ASL sentence types. Pronominalization, classifiers, spatial referencing, pluralization, and temporal and distributional aspects are introduced. Student will learn routine communicative functions of the language: asking, requesting, providing clarification, giving and asking for directions. Information about the Deaf Community and Deaf Culture will be included. This class will place an emphasis on glossing and sign reading skills.

Prerequisites: *ASL I with a grade of 80 or above and teacher recommendation*

AMERICAN SIGN LANGUAGE III HONORS

Grades 11-12...2 semesters...1 credit

This course is an integration of expressive and receptive skills in American Sign Language with emphasis on literature, discourse styles, and contextualization at an Intermediate Level. It provides students with information on idiomatic/colloquial usages of signs, as well as grammatical structures for complex sentences. There will be lectures in ASL, videotapes, quizzes, videotaping of signing skills, written midterm and final exams. No voice is used in ASL 3 class; therefore, students will adhere to this regulation also. Attendance is a must. Excessive absences will not be tolerated.

Prerequisite: *Completion of ASL I and ASL II with a grade average of 80 or above and teacher recommendation*

FINE ARTS

CHOIR I - CONCORDIA SINGERS

Grades 9-11.....2 semesters.....1 credit

The Concordia Singers is an SATB ensemble available to all female and male students interested in choir. There is no audition required. This choir is primarily for beginning singers who do not have much experience. This choir performs individually, as well as periodically with the Concordia Concert Choir, men's ensembles and women's ensembles.

The objective of The Concordia Singers is to first and foremost be a witness to others by means of spreading the Word of God to its audiences and fellow classmates and to glorify God by giving thanks through the means of singing using the wonderful gift of music. In doing so, they will learn and improve on the basic skills of singing such as technique, sight-reading, rhythm-reading, musical artistry, etc. Students will learn to interpret stylistic and creative aspects of music and how to critique themselves and others. They will learn and perform quality choral music that is appropriate for a beginning level choral ensemble. Another goal of this ensemble is to prepare singers for the auditioned ensemble—The Concordia Concert Choir.

Students will perform in four concerts a year, some chapel services and large group competition. Students may also elect to perform a solo or in an ensemble at UIL competitions. In addition to daily classes, occasional large group rehearsals, sectionals and lessons may be scheduled outside of the normal choir period.

THE CONCORDIA CONCERT CHOIR

By audition only.....Grades 9-12.....2 semesters.....1 credit

The Concordia Concert Choir is an auditioned SATB ensemble and is the top vocal ensemble at Concordia.

The objective of The Concordia Concert Choir is to first and foremost be a witness to others by means of spreading the Word of God to its audiences and fellow classmates and to glorify God by giving thanks through the means of singing using the wonderful gift of music. This ensemble will focus on more in-depth choral techniques and skills and will perform higher-level choral music. Students will continue to grow and learn stylistic and creative aspects of music as well as critique themselves and others.

Students will perform in four concerts a year, two or more church services, grade school visits, chapels, large group competitions and will go on a tour in the spring. Tours alternate long/short every other year (one year is a long tour; next year is a short tour, etc.). Students may also elect to perform a solo or in an ensemble at UIL competitions. In addition to daily classes, occasional large group rehearsals, sectionals, and lessons may be scheduled outside of the normal choir period.

Students must audition for placement in this group. Auditions will consist of:

- 1) Perform a hymn (Beautiful Savior, Amazing Grace, etc.) or a song of choice (America the beautiful, Star-Spangled Banner, etc.)*
- 2) Sight-read a melody*
- 3) Sight-read a rhythm*
- 4) Have vocal range tested*

Important note: *There is no prerequisite for this ensemble. The director will make the final decision on whether or not a student makes the ensemble....regardless of past experience.*

THE CONCORDIA CONCERT HONORS CHOIR

Grades 9-12 2 semesters....1 credit

Choir can be taken for “honors credit”. Students electing to take choir as an honors course must meet all the normal requirements of Concert Choir. Additionally, honors students must:

- 1) *Designate “honors” status at the beginning of each semester.*
- 2) *Complete a satisfactory audition for TMEA and/or TPSMEA All-State. (First Semester)*
 - a. *Showing up for the audition with no prior rehearsal/being unprepared will **NOT** be accepted as a satisfactory audition **OR....***
- 3) *Complete an audition for the National Honor Choir at Musical Arts Day at Concordia University in Seward Nebraska. (First Semester)*
 - a. *If you make the Honor Choir, you **must** attend Musical Arts Day in order for this to count towards honors credit.*
- 4) *Perform a satisfactory solo at competition. (Second semester)*
 - a. *Similar to first semester, a soloist who chooses to not be prepared will not receive honors credit.*
- 5) *Attend an approved professional or collegiate concert and write a concert report. (Both semesters)*
- 6) *Participation*
 - a. *This is new. Any designate “honors” student who consistently loses points for daily participation will lose their honors credit for this class.*
 - b. *If a student is close to losing honor credit due to poor daily participation, a meeting will be scheduled with the choir director to determine what actions to take.*
- 7) *Honors credit is earned. The choir director and other students should be able to point out who the honors choir students are with no prior knowledge if they actually are or not.*

Students failing to complete these requirements will be dropped from the honors program.

SYMPHONIC BAND

Grades 9-12 2 semesters....1 credit

The Symphonic Band is a performance-based ensemble for students with prior experience in instrumental music. This ensemble will cultivate artistic skills through various styles of quality music. We share this God-given gift of music by performing in four concerts, competitions, some athletic events, and various other special events. Members have the option of performing in small ensembles, jazz band, and pit orchestra for the fall musical. They also have the opportunity to audition for All-State ensembles, Honor Bands, and perform in solo/small ensemble competitions. In addition to daily class, occasional sectionals and lessons may be scheduled outside the regular class period. Private lessons are encouraged outside of school.

Prerequisites: *Students must audition for placement in this ensemble. They should be prepared to:*

- 1) *Play a major or chromatic scale to showcase range on instrument*
- 2) *A short excerpt from a solo or band piece*
- 3) *Sight-read a melody*

SYMPHONIC BAND HONORS

Grades 9-12 2 semesters....1 credit

Symphonic Band Honors is designed to give upper level band students multiple opportunities to study music at a more advanced level. The honors students meet at the same time with the rest of the band, but honors credit is earned through a self-paced, independent student that requires extra time outside of the school day over the course of the semester.

Prerequisites: *An interview with Mr. Held, band director, to determine placement.*

THEATRE ARTS I

Grades 9-12.....2 semesters.....1 credit

Theatre Arts is designed to give a general overview of the basics of stage craft. Each student will be engaged in discussion and activities in regards to technical theatre (light, sound, set, make-up, and costume design), acting, and directing. Besides the more tangible sides to theatre, students will come away with an historical understanding of how theatre started and the state theatre is in today. Students should expect to be active both inside and outside of the classroom, as this class requires students to see live theatre productions and apply their classroom knowledge towards what they experience, as well as participate in different aspects of the school's theatrical productions. Anyone who is willing to move, act, build, and discuss will enjoy Theatre Arts.

ART I

Grades 9-12.....2 semesters.....1 credit

Art I is a prerequisite for all other art classes. The course will help students to become more visually sensitive to the world around them. Art I is a beginner's look at the fundamentals of art including the elements and principles of design and applying concepts and techniques learned in drawing, painting etc. Critical evaluation of art, art appreciation and art history will also be incorporated into the curriculum.

ART II

Grades 10-12... 2 semesters.....1 credit

Art II allows the students to explore the elements and principles of design on a more advanced level. The emphasis will be on using these elements and principles to complete specific two-dimensional and three-dimensional design problems. Critical evaluation of art, art appreciation and art history will also be incorporated into the curriculum.

Prerequisites: Art I and teacher approval

ART III PRE-AP

Grades 11-12.....2 semesters.....1 credit

In Art III Pre-AP, students will have the opportunity to explore the elements and principles of design at an even more advanced level. The emphasis will be on visual problem solving, art history, creating productive work habits, self and group critiques, students proposing their own project ideas and finding their own artistic voice. In addition, Art III Pre-AP will help prepare the students for the rigorous demands and creative rewards that making and submitting an AP Studio Art Portfolio will bring.

Prerequisites: Art II and teacher approval

ART IV AP

Grade 12.....2 semesters.....1 credit

Art IV AP students will work independently and create a portfolio in various mediums using the Advanced Placement Program of art as a guide. The student will develop a concentration of artwork, display the breadth of work created, prepare an artist's statement and submit the portfolio for review by the Advanced Placement Program.

Prerequisites: Art III Pre-AP and teacher approval

BUSINESS/TECHNOLOGY

TOUCH SYSTEM DATA ENTRY

Grades 9-11.....1 semester.....0.5 credit

This course is largely a skills based class. It is a technique students need in order to function in a technology rich society and educational environment. Proper technique, accuracy, and speed are the main objectives. The word processing lessons relate to the educational process at CLHS. Proper methods for formatting letters, essays, poetry, research papers, lab reports, etc. will also be covered.

BUSINESS INFORMATION MANAGMENT A

Grades 9-12.....1 semester.....0.5 credit

This course is designed to give students some practical uses for the modern computer. The students will be given a brief introduction to computer terminology and will gain competency in using the following computer application programs: Advanced Word Processing, Presentation Software, and Spreadsheets. A unit on computer ethics and safety as it relates to a technology rich society is also covered. Microsoft Office is the software used.

BUSINESS INFORMATION MANAGEMENT B

Grades 9-12.....1 semester.....0.5 credit

The students will gain competency in using the following computer application programs: Desktop Publishing, Advanced Presentation, and Databases. Microsoft Office is the software used.

BUSINESS OWNERSHIP

Grades 11-12....1 semester.....0.5 credit

Students develop a foundation in the economical, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. Students incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate business decisions.

GRAPHIC DESIGN

Grades 9-12.....1 semester.....0.5 credit

Careers in graphic design and illustration span all aspects of the advertising and visual communications industries. Within this context, in addition to developing knowledge and skills needed for success in the Arts, Audio/Video Technology and Communications career cluster, students will be expected to develop an understanding of the industry with a focus on fundamental elements and principles of visual art and design.

MULTI-MEDIA PRODUCTION

Grades 9-12.....2 semesters.....1 credit

This course will teach students the fundamentals of multi-media production using digital photography and video cameras while working with state-of-the-art film editing software. This class is hands-on and will require students to apply and improve their creative, technical, critical thinking, writing, and visual communication skills. The students will focus on the skill of manipulating images, audio clips, photography and video in order to create and communicate to the Concordia community via the school and athletic websites and social media applications. Students must be self-motivated, show initiative, be willing to work outside of class to record/document school events, and be dedicated to collaborative efforts and the pursuit of excellence in showcasing Concordia Lutheran High School. The following is a list of skills that will be developed in this class: creativity and innovation, communication and collaboration, research and information fluency, critical thinking, problem solving, decision making, digital citizenship and technology operations and concepts. All of these skills will be utilized to deploy digital media into print, web, and video products. This is a year-long course and will fulfill the technology requirement for graduation.

PHYSICAL EDUCATION AND HEALTH

State graduation requirements include 1.0 credit for physical education. Concordia graduation requirements also include a 0.5 credit for health. The physical education credit is earned through physical education period, athletic period, physical education equivalency, or an approved off-campus activity program. There is a limit of 1.0 credit per year.

PHYSICAL EDUCATION

Grades 9-12.....1 semester.....0.5 credit

This program will emphasize physical fitness and team sports. The following is a list of activities to be included: basketball, bowling, jogging, softball, tennis, track and field, and volleyball.

ATHLETICS

Grades 9-12.....1 semester.....0.5credit

Athletic Period is strongly encouraged for all athletes. It is currently offered for baseball, basketball, football, soccer, softball and volleyball. A student must be aware that students who choose the athletic period may have advantages over students that do not participate in the athletic period.

PHYSICAL EDUCATION EQUIVALENT

Grades 9-12.....1 completed season.....0.5 credit

Students not enrolled in P. E. or athletic period may earn 0.5 credit for completing a full season in athletic training, baseball, basketball, cheerleading, cross country, football, golf, soccer, softball, swimming, tennis, track or volleyball.

OFF-CAMPUS PHYSICAL EDUCATION

Grades 9-12.....1 semester.....0.5 credit

Requests for waivers for approval of private or commercially sponsored physical activity programs will be considered only for programs not offered at CLHS that lead to Olympic level participation and/or competition. See the Registrar for additional information.

HEALTH

Grades 9-12.....1 semester.....0.5 credit

Health is a required class in which the student studies the human body in order to develop an awareness and appreciation of the skills required to maintain personal health and safety. It emphasizes the importance of responsible decision-making to a student's overall wellness. The text provides not only information about critical health issues, but also a wealth of decision-making models for study. Students sharpen their judgment as they consider health issues and learn how to apply decision-making skills to their own lives. Students also receive training in CPR.

AGRICULTURE & CONSUMER SCIENCES

FASHION DESIGN

Grades 10-12....1 semester.....0.5 credit

This course offers students an opportunity to explore and expand their knowledge of fashion, fabrics and construction. The lab emphasis is on construction concepts, techniques, sewing a simple quilt and garment construction.

ADVANCED FASHION DESIGN

Grades 11-12.....1 semester.....0.5 credit

This course emphasizes an advanced understanding of fabrics, fashion, and construction. The students will explore a variety of textiles, their uses, and manufacturing techniques. The construction of 3-4 sewing projects is required.

LIFETIME NUTRITION & WELLNESS

Grades 10-12....1 semester.....0.5 credit

This course allows students to use principles of lifetime wellness choices and nutrition to help them make informed decisions that promote overall good health. The student will understand the role of nutrients in the body, principles of digestion and metabolism, demonstrate knowledge of nutritionally balanced diets, and apply knowledge of food preparation/management principles as it relates to nutritious recipes. The student will also operate kitchen equipment and tools properly. In addition, the student will apply safety and sanitation practices as a component of wellness. The student will study the benefits of exercise and research the relationship between nutrition and disease through every phase of life.

FOOD SCIENCE AND TECHNOLOGY

Grades 11-12.....1 semester.....0.5 credit

Food Science and Technology expands on the knowledge learned from Nutrition and Food Science and enables students to utilize principles of meal planning, evaluate nutritional values of recipes and learn more advanced techniques of food preparation.

Prerequisite: Lifetime Nutrition and Wellness

INTERPERSONAL STUDIES

Grades 11-12.....1 semester.....0.5 credit

This course examines how the relationships between individuals, family members and peers affect the quality of life. In addition, students use knowledge and skills in family studies to enhance personal development, foster quality relationships, promote wellness, manage multiple adult roles and pursue careers related to counseling and human services. In addition, this course offers the financial course “Financial Peace”, a high school curriculum written by Dave Ramsey. This study focuses on consumer practices, investments, long-term financial planning and goal-setting.

WILDLIFE, FISHERIES, & ECOLOGY MANAGEMENT

Grades 9-12.....1 semester.....0.5 credit

This course is designed to inform the students about wildlife management and outdoor recreation. Hunting and fishing skills and safety are taught as well as water and boating safety. State certification in hunting and boating is available to students who qualify (state-mandated fee required for certification). This course examines the management of game and non-game wildlife species, fish, and aqua-crops and their ecological needs as related to current practices. Students do not have to complete the certifications for this class, but have the opportunity. Hunter’s Education Fee is \$15.00. Boater’s Education Fee is \$20.00

NON-ACADEMIC OPTIONS

STUDY HALL

Grades 9-12.....1 semester.....no credit

Prerequisite: Counselor approval based on a credit-earned review

STUDENT AIDE

Grades 11-12.....1 semester.....no credit

Students may select to have a period of their schedule to serve as an aide to a teacher, administrator or office staff member. While serving as an aide, a student may perform functions such as filing, assisting with textbooks, grading, or helping with set-up/maintenance of athletic facilities. This is not necessarily an all-inclusive list of potential tasks.

Note: Student aides are to maintain a 3.0 GPA and have no major disciplinary infractions.

COURSE PLANNING GUIDES

When referring to the following course planning guide, please note any applicable prerequisites under the course description.

Consult your counselor to optimize the course of action that best suits your academic needs and collegiate plans.

Freshman Course Selection	
Theology	HEBSCSS – Hebrew Scripture (Old Testament) NEWTSS – New Testament
Language Arts	English I English I Pre-AP Communication Applications Debate I Oral Interpretation I
Social Studies	World Geography World Geography H
Mathematics	Algebra I Geometry Geometry Pre-AP
Science	Integrated Physics and Chemistry Biology I Biology I Pre-AP
Foreign Language	Spanish I, II, and III H American Sign Language I
Fine Arts	Art I Choir I – Concordia Singers Concert Choir Symphonic Band Theatre Arts I
Technology/Business	Touch System Data Entry Business Information Management A Business Information Management B Graphic Design Multi-Media Production
Physical Education & Health	Health Physical Education Athletic Period Physical Education Equivalent Off-Campus Physical Education
Agriculture & Consumer Sciences	Wildlife, Fisheries, & Ecology Management
Non-Academic Options	Study Hall

Sophomore Course Selection	
Theology	Interpretation of Scripture Introduction to Biblical & Historical Theology Spiritual Life at CLHS
Language Arts	English II English II Pre-AP Communication Applications Debate I Debate II H Oral Interpretation I Oral Interpretation II H Advanced Journalism: Newspaper Advanced Journalism: Yearbook
Social Studies	World History World History H
Mathematics	Geometry Geometry Pre-AP Algebra II Algebra II Pre-AP
Science	Integrated Physics and Chemistry Biology Chemistry I Chemistry I Pre-AP
Foreign Language	Spanish I, II, III H, and IV AP American Sign Language I and II
Fine Arts	Art I and II Choir I – Concordia Singers Concert Choir Concert Honors Choir Symphonic Band Symphonic Honors Band Theater Arts I
Technology/Business	Touch System Data Entry Business Information Management A Business Information Management B Graphic Design Multi-Media Production
Physical Education & Health	Health Physical Education Athletic Period Physical Education Equivalent Off-Campus Physical Education
Agriculture & Consumer Sciences	Fashion Design Lifetime Nutrition and Wellness Wildlife, Fisheries, & Ecology Management
Non-Academic Options	Study Hall

Junior Course Selection		
Theology	Christian Life of Peace Christian Vocation and Worship Spiritual Life at CLHS Christian Social Action	
Language Arts	English III English III AP Communication Applications Debate I Debate II H Oral Interpretation I Oral Interpretation II H Advanced Journalism: Newspaper Advanced Journalism: Yearbook Creative Writing I Creative Writing II H	
Social Studies	U.S. History U.S. History DC	Sociology Psychology
Mathematics	Algebra II Algebra II Pre-AP Adv. Alg. with Fin. App. Pre-Calculus College Algebra DC	Trigonometry DC Pre-Calculus Dual Credit Statistics AP Statistics DC
Science	Chemistry I Chemistry II DC Environmental Systems RAD Science	Anatomy and Physiology H Physics I Physics I AP
Foreign Language	Spanish I, II, III H and IV AP American Sign Language I, II, and III H	
Fine Arts	Art I, II, and III Pre-AP Choir I – Concordia Singers Concert Choir Concert Honors Choir	Symphonic Band Symphonic Honors Band Theatre Arts I
Technology/Business	Touch System Data Entry Business Info Management A Business Info Management B	Graphic Design Business Ownership Multi-Media Production
Physical Education & Health	Health Physical Education Athletic Period	Physical Education Equivalent Off-Campus Physical Ed
Agriculture & Consumer Sciences	Fashion Design Advanced Fashion Design Lifetime Nutrition and Wellness Food Science and Technology Interpersonal Studies Wildlife, Fisheries, & Ecology Management	
Non-Academic Options	Study Hall Student Aide	

Senior Course Selection		
Theology	Christian Apologetics Christian Ethic Spiritual Life at CLHS Christian Social Action	
Language Arts	English IV English IV AP Communication Applications Debate I Debate II H Oral Interpretation I Oral Interpretation II H Advanced Journalism: Newspaper Advanced Journalism: Yearbook Creative Writing I Creative Writing II H	
Social Studies	Sociology Psychology Economics	Economics H Government Government AP
Mathematics	Algebra II Algebra II PAP Adv. Alg. with Fin. App. Pre-Calculus. College Algebra DC Trigonometry DC	Pre-Calculus DC Statistics AP/DC Finite Math DC Elements of Cal DC Calculus AP AB
Science	Chemistry II DC Environmental Systems RAD Science Anatomy and Physiology H	Physics I Physics I AP Physics II AP
Foreign Language	Spanish I, II, III H and IV AP American Sign Language I, II, and III H	
Fine Arts	Art I, II, III Pre-AP and IV AP Concert Choir Concert Honors Choir	Symphonic Band Symphonic Honors Band Theater Arts I
Technology/Business	Touch System Data Entry Bus Info Management A Bus Info Management B	Graphic Design Business Ownership Multi-Media Production
Physical Education & Health	Health Physical Education Athletic Period	Physical Education Equivalent Off-Campus Physical Ed
Agriculture & Consumer Sciences	Fashion Design Advanced Fashion Design Lifetime Nutrition & Wellness	Food Science and Technology Interpersonal Studies Wildlife, Fisheries, & Eco Mgt.
Non-Academic Options	Study Hall Student Aide	



CONCORDIA
LUTHERAN HIGH SCHOOL

700 E. Main
Tomball, TX 77375
Phone: 281-351-2547
Fax: 281-255-8806
www.clhs-tx.org