

LIBERTY CHRISTIAN ACADEMY

PROGRAM OF STUDIES COURSE DESCRIPTION GUIDE 2026-2027



Liberty Christian Academy exists to support parents and guardians in their Biblical responsibility to nurture and train their children. Thus, LCA provides opportunities which allow students to realize their God-given potential and to live lives that glorify God in the spiritual, academic, social, physical, and vocational realms.

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GENERAL INFORMATION

On the following pages, LCA's graduation requirements are followed by the listing of all courses in the high school curriculum. This listing contains course titles, grade(s) in which students may select a particular course that will be taught, credit value, prerequisites to enroll, and a brief description of each course. Whether or not a particular course is actually taught, however, depends upon minimum enrollment numbers. All current students who have successfully completed high school courses in grades seven or eight receive credit toward graduation as well as credit toward satisfying particular subject area requirements. The courses falling into this category at Liberty Christian Academy are Algebra I, Honors Algebra I, World History I, and World Language. These courses, as well as any other traditional high school courses that may be taken for credit in grades seven or eight, are included in a student's high school grade point average (GPA).

RESOURCE CLASS


Resource classes are available to students with documented academic disabilities. Documentation must be in the form of a current evaluation (within the last three years) by either independent, professional testing, or a public school system. Acceptance into the resource program is determined by the LCA Eligibility Committee.

ELECTIVE COURSE INFORMATION

Electives are available to all students unless otherwise noted. The grade level and any prerequisites are indicated following the course title. **If an elective course does not meet minimum enrollment numbers, it will not be offered.** All students must take one full credit in Applied Arts or Fine Arts to satisfy the graduation requirements. Students pursuing a standard diploma need an additional credit in Applied Arts, Fine Arts, or World Languages. Lab fees are required for some elective courses and are noted in the course description where applicable.

NCAA COLLEGE FRESHMAN ATHLETIC ELIGIBILITY STANDARDS

All potential college student-athletes must register with the NCAA Initial-Eligibility Clearinghouse and meet NCAA academic requirements. Students can register at www.eligibilitycenter.org. NCAA Divisions I and II require 16 core courses as described in the Eligibility Center. NCAA Division I requires ten core courses to be completed prior to the seventh semester (seven of the ten must be a combination of English, math, or natural or physical science). These ten courses become "locked in" at the start of the seventh semester and cannot be retaken for grade improvement. For additional information, contact the Athletic Office or visit the NCAA Eligibility website.

Approved NCAA courses are denoted using the NCAA logo. 

VHSL INFORMATION

In order for students to be eligible to participate in VHSL athletics and activities, students must follow VHSL/LCA eligibility rules. Pursuant to VHSL bylaw 28A-7-2(6), students cannot be 19 before August 1 of that school year. Students must also take 8 consecutive semesters beginning in 9th grade. Each year, students are required to take at least 5 subjects and pass at least 5 subjects in order to maintain eligibility. For additional information, contact the Athletic Office.

GRADUATION REQUIREMENTS

The accrediting bodies of the Commonwealth of Virginia, Cognia, Virginia Council for Private Education (VCPE), and Association of Christian Schools International (ACSI) approve the regulations for establishing standards for Liberty Christian Academy. All students must meet the course requirements of 28 credits for the Advanced Studies Diploma or 26 credits for the Standard Diploma.

ADVANCED STUDIES DIPLOMA

To graduate with an Advanced Studies Diploma, a student must earn at least 28 standard units of credit. The chart below describes the requirements for each discipline:

Advanced Studies Diploma Course Requirements	
Discipline Area	Credits
Bible (a Bible course is required for each year a student is at LCA)	4
English (courses must include English 9, English 10, English 11, and English 12 or equivalent courses)	4
Mathematics (courses must include Algebra I, Algebra II, and Geometry)	4
Science (courses must include Biology; course selections must include courses from at least two different science disciplines: earth sciences, biology, chemistry, or physics)	4
Social Science (courses must include World History, US/VA History, and Government)	4
World Languages (courses must include three years of one world language or two years of two world languages)	3
Health and Physical Education	2
Fine Arts or Applied Arts	1
Economics and Personal Finance	1
Electives	1
Total	28

STANDARD DIPLOMA

To graduate with a Standard Diploma, a student must earn at least 26 standard units of credit. The chart below describes the requirements for each discipline:

Standard Diploma Course Requirements	
Discipline Area	Credits
Bible (a Bible course is required for each year a student is at LCA)	4
English (courses must include English 9, English 10, English 11, and English 12 or equivalent courses)	4
Mathematics (courses must include Algebra I, Algebra II, and Geometry)	3
Science (courses must include Biology; course selections must include courses from at least two different science disciplines: earth sciences, biology, chemistry, or physics)	3
Social Science (courses must include World History, US/VA History, and Government)	3
Health and Physical Education	2
World Language, Fine Arts, or Applied Arts (for students entering 9 th grade in 2022-2023 and beyond, students need 2 credits in World Language, Fine Arts, or Applied Arts. One of these credits must be a Fine or Applied Art. Students prior to this time need 1 Fine or Applied Art credit).	2*
Economics and Personal Finance	1
Electives	4*
Total	26

*Students entering 9th grade in 2022-2023 and beyond need 2 credits in World Language, Fine Arts, or Applied Arts and 4 elective credits. Students entering 9th grade prior to this need 1 credit in Fine or Applied Arts and 5 elective credits.

MATH AND SCIENCE FLOWCHART

These charts illustrate some of the suggested sequencing of math and science courses. Students should consider their goals, college aspirations, and previous courses when deciding what courses to take.

MATH COURSE SEQUENCE CHART

<i>Typical Advanced Diploma Tracks</i>	GRADE	<i>Typical Standard Diploma Track</i>
<div>AP Calculus</div> <div>OR</div> <div>DE C Math 121/128</div> <div>OR</div> <div>Probability & Statistics</div>	12	<div>Algebra III / Trigonometry</div> <div>OR</div> <div>Probability & Statistics</div>
<div>DE C Math 121/128</div> <div>OR</div> <div>Honors Advanced Math (Pre-Calc)</div> <div>OR</div> <div>Algebra III / Trigonometry</div>	11	<div>Honors Geometry [OR] Geometry</div>
<div>Honors Geometry [OR] Geometry</div>	10	<div>Honors Algebra II [OR] Algebra II</div>
<div>Honors Algebra II [OR] Algebra II</div>	9	<div>Honors Algebra I [OR] Algebra I</div>
<div>Honors Algebra I [OR] Algebra I</div>	8	<div>Pre-Algebra</div>

SCIENCE COURSE SEQUENCE CHART

<i>Typical Advanced Diploma Track</i>	GRADE	<i>Typical Standard Diploma Track</i>
<div>Honors Human Anatomy</div> <div>OR</div> <div>AP Biology</div> <div>OR</div> <div>AP Chem</div>	#	<div>Environmental Science</div> <div>OR</div> <div>Physics</div>
<div>Honors Human Anatomy</div> <div>OR</div> <div>AP Biology</div> <div>OR</div> <div>AP Chem</div>	#	<div>Environmental Science</div> <div>OR</div> <div>Chemistry [OR] Honors Chemistry</div>
<div>Honors Chemistry [OR] Chemistry</div>	#	<div>Honors Biology [OR] Biology</div>
<div>Honors Biology [OR] Biology</div>	9	<div>Earth Science</div>

GRADE POINT AVERAGE (GPA) CALCULATIONS

The Grade Point Average (GPA) calculation is a way to quantify the overall academic achievement of a student in a single number. The GPA calculation is used for ranking graduating students and is often requested on applications for awards, recognitions, certain memberships or positions, and on college applications. This value is determined by the grades a student earns and by the level of difficulty of the courses taken.

At Liberty Christian Academy, there are three levels of courses, and each allocates a different number of quality points for a given grade. For most classes, an “A” is worth 4 points, a “B” is worth 3 points, a “C” is worth 2 points, a “D” is worth 1 point, and an “F” is worth zero points. If a student takes an honors level course, an additional 0.5 points is added to any grade earned above an “F.” If a student takes an AP or LU Dual Enrollment course, an additional full point is added to any grade earned above an “F.”

When an unweighted GPA is requested, the GPA is calculated with no additional points, regardless of the course level.

Points Per Semester Credit			
Grading Scale	AP & LU Dual Enrollment	Honors Courses	Regular Courses
A = 90-100	A – 5	A – 4.5	A – 4
B = 80-89	B – 4	B – 3.5	B – 3
C = 70-79	C – 3	C – 2.5	C – 2
D = 60-69	D – 2	D – 1.5	D – 1
F = 0-59	F – 0	F – 0	F – 0

Calculating the GPA

To calculate the GPA for a given year, total the quality points (QP) earned for the grade in each class. Divide this sum by the number of classes taken. For example, if a student had 6 graded classes and earned three “A’s” and three “B’s”, the calculation would be $4 + 4 + 4 + 3 + 3 + 3 = 21$ total quality points which, when divided by six total classes, yields a GPA of 3.5.

If a student takes an Honors level or LU Dual Enrollment course, each grade is worth more QP. The calculation of the GPA follows the same process. Using the previous example, if the first “A” was in an honors course and the last “B” was in a Dual Enrollment course, the calculation would be $4.5 + 4 + 4 + 3 + 3 + 4 = 22.5$ total quality points. When divided by six classes, this total yields a GPA of 3.75.

GRADING SCALE

Prior to the 2016-2017 school year, LCA used a 7-point grading scale. Effective 2016-2017 and beyond, a 10-point grading scale was implemented. Prerequisites and course requirements in this guide reflect the 10-point grading scale.

WORLD LANGUAGE

To enter the **first level** of world language instruction in 7th or 8th grade, the following criteria must be met:

SEVENTH OR EIGHTH GRADE

- A **seventh grade** student must have earned at least a 90% in English 6.
- An **eighth grade** student must have earned at least an 85% English 7 or an 80% in Honors English 7.

HONORS COURSES

LCA offers honors courses in English, math, science and social studies. Students must meet specific requirements to be eligible for an honors course for the following year. In general, honors students are expected to do more challenging work at a more rigorous pace.

ADVANCED PLACEMENT COURSES

In the fall of 2019, LCA added the Advanced Placement Program to the course offerings for students. AP is nationally recognized from the College Board and the credits are accepted at colleges and universities throughout the United States. AP courses are rigorous and are intended for students interested in attending competitive universities. AP courses culminate with the AP exam in the spring. **Because each institution individually decides what scores to accept, students should research those schools for information and policies regarding the minimum score required to earn AP credit, the amount of credit awarded, and how the credits are applied.**

Current AP Courses Offered:

AP Biology	AP Psychology
AP Calculus AB	AP Drawing
AP Chemistry	AP 2-D Design
AP Spanish Language and Culture	AP 3-D Design
AP Government	

DUAL ENROLLMENT COLLEGE COURSE PROGRAM

In the fall of 2004, Liberty Christian Academy implemented a Dual Enrollment Program with Liberty University. This program allows students who are enrolled in certain high school courses to receive both high school and college credit. These courses are offered as dual enrollment courses. Students enrolled in these courses will earn college credit from Liberty University by fulfilling course requirements and completing the course with a passing grade. Students may not take Dual Enrollment courses at LCA while taking other courses at Liberty University. Transcripts will reflect the actual grade the student earned in the course. Since these courses are offered through Liberty University, they are typically accepted for credit by those state colleges, universities, and private institutions of higher education that recognize accreditation by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). **Because each institution individually decides what Dual Enrollment credits to accept, students should research those schools for information and policies regarding transfer credits and how the credits are applied.**

Current Dual Enrollment College Courses Offered:

DE ENGL 101 Composition & Rhetoric	DE ENGL 102 Composition & Literature
DE HIUS 221 Survey of American History I	DE HIUS 222 Survey of American History II
DE MATH 121 College Algebra	DE MATH 128 Elem. Functions & Coord. Geometry
DE INFT 110 Computer Concepts & Application	DE EDUC 201 Introduction to Education & Technology

Dual enrollment courses are designed to be year-long courses in order to earn high school credit, however, for some classes, college credit is based on semesters. In general, dual enrollment students are expected to do more challenging work at a more rigorous pace.

LIBERTY TECHNICAL STUDIES PROGRAM

Liberty Christian Academy and Liberty University's Liberty Technical Studies (formerly Virginia Technical Institute) have partnered together to bring a credentialed vocational program to LCA. Students are able to take CORE and Carpentry and have the opportunity to earn National Center for Construction Education and Research (NCCER) credentials that are internationally recognized in the construction industry. Students receive NCCER certification for these courses. Liberty University will accept these credits as elective credits provided students submit their NCCER credential number to LU.

LIBERTY UNIVERSITY SENIOR HONORS PROGRAM

The Senior Honors Program at Liberty Christian Academy is an educational enrichment program developed in partnership with Liberty University. Students who apply and who are selected for this program have the opportunity to take college courses at Liberty University for college credit during their senior year of high school. Students do not receive high school credit for courses taken through the Senior Honors Program. Students entering this highly selective program must meet the following admissions procedures and they should adhere to all of the program stipulations.

STUDENT QUALIFICATIONS

- The student must be a rising, registered senior who has attended LCA for a minimum of one full year.
- The student must have maintained a cumulative GPA of 3.0 or higher.
- The student must be approved by the Senior Honors Program Acceptance Committee. Criteria to be evaluated by the committee include:
 1. The student has demonstrated the ability to think in the abstract and to reason logically.
 2. The student has shown a strong work ethic in class requirements.
 3. Scores on standardized tests.
 4. School attendance records.
 5. School discipline records.

PROGRAM STIPULATIONS

- Students may not participate in the Senior Honors Program and Dual Enrollment courses at LCA during the same school year.
- The student must complete the Senior Honors Program Application form and return it to the LCA Guidance Office.
- Upon approval from LCA, the student will complete the Resident Special Student Application. The student will submit this form, along with the Senior Honors Program Application, to the Admissions Office of Liberty University for approval.
- Honors program students must take a minimum of five courses at LCA.
- A student may not take a college course that is offered as a high school course at LCA.
- LCA courses will receive a scheduling priority.
- The student must maintain a minimum of a 3.0 GPA at LCA to remain in the Senior Honors Program for the next semester.
- All transportation must be provided by the student's family. If you would like to obtain a parking decal at Liberty University, please contact lupd@liberty.edu.
- Students who are off campus for the purpose of taking a course at Liberty University are not under the legal jurisdiction of Liberty Christian Academy.
- Students must sign out in the High School Office before leaving campus to attend LU classes.
- The cost of tuition and books for the Senior Honors Program is not included in the LCA tuition payment.

By special arrangement, LU tuition costs for students in the Senior Honors Program are one-third the cost of regular LU students. Textbooks and application fees are in addition to the tuition.

CHRISTIAN SERVICE


All students are required to complete 20 hours of pre-approved community service for each year a student is enrolled in high school at LCA. Students who complete 25 or more hours of community service per year will receive a silver cord at graduation. **Diplomas will be held until all required hours are complete.**

EARLY RELEASE & LATE ARRIVAL


Students are required to attend school a minimum of six periods per day. Seniors in good academic standing may be considered for either late arrival or early release, but not both. Approval will be based upon credits needed for graduation.

LANGUAGE ARTS


ENGLISH

 **English 9** (1 Credit) Full year; No Prerequisite


This course will focus on intensive writing instruction and practice, including research and grammar. In addition, the literature studied will include a variety of genres, both fiction and non-fiction texts, and literary elements. **This course or Honors English 9 is a required course for graduation.**

 **Honors English 9** (1 Credit) Full year; Prerequisite: a minimum overall average of 85% in regular English or 80% in Honors English and a teacher recommendation. **Approval Required.**


This course will focus on intensive writing instruction and practice, including research and grammar. In addition, the literature studied will include a variety of genres, both fiction and non-fiction texts, and literary elements. In honors courses, teachers expect greater proficiency in grammar and writing, and assign more reading, writing, and research projects than regular classes. In general, honors English students are expected to do more challenging work at a more rigorous pace. **This course or English 9 is a required course for graduation.**

 **English 10** (1 Credit) Full year; Prerequisite: English 9


This course will focus on intensive writing instruction and practice, including research and grammar. In addition, the literature studied will be selected from world literature and will include a variety of genres, both fiction and non-fiction, and literary elements. **This course or English 10 Honors is a required course for graduation.**

 **English 10: AP Seminar** (1 Credit) Full year; Prerequisite: English 9; a minimum overall average of 85% in regular English or 80% in Honors English and a teacher recommendation. **Approval Required.**

This course is an interdisciplinary course that encourages students to demonstrate critical thinking, collaboration, and academic research. Students will learn to read, comprehend, and explain a perspective or argument, compare and contrast different perspectives, evaluate information to draw conclusions and build an argument, and communicate ideas to an audience. In general, honors English students are expected to do more challenging work at a more rigorous pace. **This course or English 10 is a required course for graduation.**

 **English 11** (1 Credit) Full year; Prerequisite: English 9, English 10


This course will focus on intensive writing instruction and practice, including research and grammar. In addition, the literature studied will be selected from American literature and will include a variety of genres, both fiction and non-fiction texts, and literary elements. **This course or English 11 Honors is a required course for graduation.**

 **Honors English 11** (1 Credit) Full year; Prerequisite: English 9; English 10; a minimum overall average of 85% in regular English or 80% in Honors English; a minimum PSAT score of 500 in reading; and a teacher recommendation. **Approval Required.**

This course will focus on intensive writing instruction and practice, including research and grammar. In addition, the literature studied will be selected from American literature and will include a variety of genres, both fiction and non-fiction texts, and literary elements. In honors courses, teachers expect greater proficiency in grammar and writing, and assign more reading, writing, and research projects than regular classes. Students are encouraged to take the American Lit CLEP test upon completion of the course. In general, honors English students are expected to do more challenging work at a more rigorous pace. **This course or English 11 is a required course for graduation.**

 **English 12** (1 Credit) Full year; Prerequisite: English 9, English 10, English 11

This course will focus on intensive writing instruction and practice, including research and grammar. In addition, the literature studied will be selected from British literature and will include a variety of genres, both fiction and non-fiction texts, and literary elements. **This course or Dual Enrollment English is a required course for graduation.**

 **Dual Enrollment English 101/102** (1 high school credit and 6 college credit hours) Full year (12); Prerequisite: English 9, English 10; English 11; a minimum overall average of 85% in regular English or 80% in Honors English; teacher recommendation; Recommended scores: a minimum PSAT score of 500 in reading or SAT critical reading/writing scores of 510 or higher or ACT reading/English scores of 20 or higher. Dual Enrollment English students are expected to do more challenging work at a more rigorous pace. Successful completion of English 101 is a prerequisite for continuation into English 102 for college credit. **Approval Required.**

English 101—Composition & Rhetoric (1st Semester) Through the critical engagement of a variety of texts, including written, oral, and visual, this course prepares students to become careful readers, critical thinkers, and skilled writers. Drawing upon rhetorical theory, English 101 emphasizes the practices of analytical reading, informed reasoning, effective writing, and sound argumentation. The course requires 4,000 words of writing in no fewer than five writing projects, three of which are argumentative essays incorporating external sources.

English 102—Composition & Literature (2nd Semester) This course continues the emphasis on writing. Two analytical papers—based upon studies of the short story, poetry, and drama—and a literary research paper, sequentially developed, are required.

This course or English 12 is a required course for graduation.

Creative Writing (1 Credit) Full year (11-12); No prerequisite

Creative writing is a seminar course in which the student explores a variety of genres of literature (narrative non-fiction, fiction, poetry, and drama). This course will include lectures, discussions, and workshops, providing the students the opportunity to develop, write, edit, present, and critique their own and their classmates' original works. As a culminating project, the student will edit and revise their best work in each genre and create a portfolio.

ENGLISH AS AN ADDITIONAL LANGUAGE


Composition and Literature (ESL-1 HOUR) (1 Credit) Full year (9-12); No prerequisite

Composition and Literature (ESL-1 Hour) is a course designed to provide an understanding of the English language, and focuses on skills related to listening, speaking, reading, writing, and vocabulary for students learning English as a second language. Particular emphasis is placed on writing skills, including grammar (including the 8 major parts of speech) mechanics, punctuation, and composition of varied sentences, strong paragraphs, and expository writing, with a focus on strong organization, style, and diction. **Enrollment in this course is by recommendation of the Office of International Relations.**

English Foundations (ESL-2 HOUR) (2 Credit) Full year (9-12); No prerequisite


English Foundations (ESL-2 Hour) is a course designed to provide a solid foundation in the English language, and teaches speaking, listening, reading, writing, and vocabulary for students learning English as a second language. **Enrollment in this course is by recommendation of the Office of International Relations.**

SPEECH

 **Debate** (1 Credit) Full Year (9-12); No prerequisite

This course will teach the basics of formal debate. The following skills will be taught: methods of argumentation, discerning fallacies in oral and written work, writing cases, and the many different debate formats.


WORLD LANGUAGE

 **Spanish I** (1 Credit) Full year (7-12); Prerequisite: **(7th Grade)** minimum 90% in English 6 **(8th Grade)** minimum 85% in English 7 or an 80% in Honors English 7 **(9th-12th Grade)** No prerequisite


This level introduces the student to basic Spanish vocabulary, pronunciation and grammar. Emphasis is placed on reading and listening comprehension skills, writing, pronunciation and Hispanic culture. Only present tense verbs are learned along with forms in the present that allow references to future and soft command forms.

 **Spanish II** (1 Credit) Full year (8-12); Prerequisite: Spanish I


The student will build upon language skills introduced in Spanish I. Proficiency is gained in oral and written communication. New vocabulary and grammar concepts are introduced. Main verb tenses taught will include irregular forms in present tense, reflexive, imperative, preterite and imperfect past tenses.

 **Spanish III** (1 Credit) Full year (9-12); Prerequisite: Spanish II


Spanish III will build upon language skills introduced in Spanish II and demonstrate fluency in conversational situations. Higher standards of pronunciation and mastery of classroom vocabulary, grammatical structures, self-expression and listening comprehension are expected. Emphasis is placed on original expression, circumlocution and paraphrasing skills. There is a strong focus on literature and cultural reading, grammatical concepts and proficiency is expected in listening and speaking.

 **Honors Spanish IV** (1 Credit) Full year (10-12); Prerequisite: A minimum overall average of 85% in Spanish III and a teacher recommendation. **Approval Required.**


In this upper-level language course, students will engage in advanced written and spoken communication on a variety of topics with the goal of promoting proficiency and confidence in the target language. Students will also develop a greater appreciation and awareness of Spanish-speaking cultures. Students will become life-long learners by using Spanish for personal enjoyment and enrichment. There is a strong focus on literature and discussions as a way to improve speaking, reading, listening, and grammar proficiency. The course will be principally taught in Spanish and will be taught in accordance with the Standards for Foreign Language Learning as set forth by ACTFL (American Council on the Teaching of Foreign Languages). Students are encouraged to take the Spanish Language CLEP test upon completion of the course.

 **AP Spanish** (1 Credit) Full year (10-12); Prerequisite: A minimum overall average of 80% in Honors Spanish IV; a PSAT reading score of 500 or SAT reading score of 505 or ACT reading score of 20 and a teacher recommendation. **Approval Required.**

AP Spanish V is a college level introductory survey course of Spanish culture and language and is taught in Spanish. Students continue to develop their interpretive, interpersonal, and presentational skills in Spanish as well as critical reading and analytical writing. Students are encouraged to take the AP Exam upon completion of the course.

 **French I** (1 Credit) Full year (8-12); Prerequisite: **(8th Grade)** minimum 85% in English 7 or an 80% in Honors English 7 **(9th-12th Grade)** No prerequisite

This level introduces the student to basic French vocabulary and grammar. Emphasis is placed on pronunciation, basic vocabulary, common phrases, beginning grammar, reading comprehension, writing skills, and the study of French culture. Writing and oral presentations are focused on one concept at a time. Present tense regular and irregular verbs will be introduced.

 **French II** (1 Credit) Full year (9-12); French I


French II will build upon language skills introduced in French I. Proficiency is gained in oral and written communication. New vocabulary and grammar concepts are introduced. Main verb tenses taught will include irregular present tense, near future, and compound past. French culture will be emphasized.

 **French III** (1 Credit) Full year **elective** (10-12); Prerequisite: French II


French III will build upon language skills introduced in French II and demonstrate fluency in conversational situations. Higher standards of pronunciation and mastery of classroom vocabulary, grammatical structures, self-expression and listening comprehension are expected. Emphasis is placed on original expression, circumlocution, and paraphrasing skills. There is a strong focus on literature and cultural reading, grammatical concepts, and proficiency is expected in listening and speaking. Students are encouraged to take the French Language CLEP test upon completion of the course.


MATHEMATICS

***A third Math course is required for graduation, and a Math course must be taken during the JR or SR year.**


 **Algebra I** (1 Credit) Full year (8-10); Prerequisites: **(8th Grade)** Minimum 80% average in Honors Pre-Algebra or an 85% in Pre-Algebra; an 80% or higher on the final exam and a teacher recommendation. **Approval Required. (9th-10th Grade)** Pre-Algebra.


Topics of study include problem-solving, equalities, equation writing, linear equations, graphing, systems of equations and inequalities, polynomials, factoring, operations with rational expressions, complex fractions, and advanced problem-solving. **This course or Honors Algebra I is a required course for graduation.**


 **Honors Algebra I** (1 Credit) Full year (8-9); Prerequisites: Minimum average of 80% in Honors Pre-Algebra or an 85% or higher in Pre-Algebra; an 80% or higher on the final exam in Pre-Algebra and teacher recommendation. **Approval Required.** This course is designed to build on algebraic concepts. It develops advanced algebra skills such as equations and inequalities, equation writing, linear equations, graphing, systems of equations and inequalities, polynomials, factoring, operations with rational expressions, complex fractions, quadratic equations, and advanced problem-solving. The content of the course is anchored in real world contexts. Students will use the graphing calculator to further their understanding in the course. More material will be covered in greater depth than in the regular Algebra I course. **This course or Algebra I is a required course for graduation.**


 **Algebra II*** (1 Credit) Full year (9-12); Prerequisite: Algebra I


This course is designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as advanced polynomials, imaginary and complex numbers, quadratics, exponents, logarithms, rational equations and includes the study of trigonometric functions. The content of this course is important for students' success on the SAT, ACT, and college mathematics entrance exams. **This course or Honors Algebra II is a required course for graduation.**


 **Honors Algebra II *** (1 Credit) Full year (9-12); Prerequisites: A minimum overall average of 80% in Honors Algebra I or an 85% or higher in Algebra I; 80% or higher on the final exam in Algebra I, and a teacher recommendation. **Approval Required.** This course is designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as advanced polynomials, imaginary and complex numbers, quadratics, exponents, logarithms, rational equations and includes the study of trigonometric functions. The content of this course is important for students' success on the SAT, ACT and college mathematics entrance exams. The content of the course is anchored in real world contexts and the use of the graphing calculator is integral to the course. More material will be covered in greater depth than in the regular Algebra II course. **This course or Algebra II is a required course for graduation.**


 **Geometry*** (1 Credit) Full year (9-12); Prerequisites: Algebra I; Algebra II
Topics of study include points, lines, planes, angles, parallel lines, congruence and similarity of polygons, triangle inequalities, inductive and deductive reasoning, proofs, right triangles, trigonometric ratios, circles, constructions, area, and volume of solids. **This course or Honors Geometry is a required course for graduation.**

 **Honors Geometry*** (1 Credit) Full year (9-12); Prerequisites: A minimum overall average of 85% in Algebra II or 80% in Honors Algebra II; an 80% or higher on the final exam in Algebra II, and a teacher recommendation. **Approval Required.** Topics of study include points, lines, planes, angles, parallel lines, congruence and similarity of polygons, triangle inequalities, inductive and deductive reasoning and loci. Students will formulate and construct proofs, right triangles, trigonometric ratios, circles, constructions, area, and volume of solids. **This course or Geometry is a required course for graduation.**

 **Probability and Statistics with Applications*** (1 Credit) Full year (10-12); Prerequisites: Algebra I; Algebra II; and Geometry.
This course is designed as an introduction to statistics. The course will enhance student understanding of basic statistical topics. Emphasis will be placed on a survey of descriptive statistics and graphs, probability, random variables, confidence intervals, hypothesis testing, sampling, types of distributions, correlation and regression, and statistical applications.


 **Algebra III/Trigonometry*** (1 Credit) Full year (10-12); Prerequisites: Algebra I; Algebra II; and Geometry
This course is designed to enhance student understanding of Algebra and Trigonometry: use of real numbers in the solution of inequalities and equalities; graphing linear, absolute value and parabolic equations; quadratic equations, polynomials and factoring, rational expressions, radical expressions, probability and sequence/series, and a complete study of trigonometry to include the basic ratios, identities, solving triangles, area of triangles, and inverses of trigonometric functions.

 **Honors Advanced Mathematics*** (1 Credit) Full year (11-12); Prerequisites: A minimum overall average of 85% in Geometry or Algebra III/Trig or 80% in Honors Geometry; 80% or higher on the final exam and a teacher recommendation. **Approval Required.**
Topics of study include review of coordinate geometry, families of graphs-parabolic, absolute value, greatest integer, rational, square root functions, exponential and logarithmic functions, solving quadratic equations and inequalities, systems of linear equations, the study of matrices, a complete study of trigonometry to include the basic ratios, identities, solving triangles, area of triangles, inverses of trigonometric functions, polar coordinate system and complex polar numbers, exponential and logarithmic, and the study of the conic sections.

 **Dual Enrollment Math 121/128*** (1 high school credit and 7 college credit hours) Full year (11-12); Prerequisites: A minimum overall average of 85% or higher average in Algebra II and Geometry or Algebra III/Trig or 80% or higher in Honors Algebra II and Honors Geometry or Honors Advanced Math; 80% or higher on the final exam, teacher recommendation; Recommended scores: a PSAT score of 530 or higher, an SAT score of 530 or higher or an ACT score of 23 or higher. **Approval Required.**

MATH 121- College Algebra (1st Semester): Fundamental concepts of college algebra including sets, equations and inequalities, functions and graphs, polynomials, rational functions, exponential and logarithmic functions, linear inequalities, and linear programming.


MATH 128- Elementary Functions and Coordinate Geometry (2nd Semester): A pre-calculus course that includes the study of elementary functions, their graphs and applications including polynomial, rational, algebraic functions, exponential, logarithmic and circular or trigonometric functions.

 **Advanced Placement Calculus AB** (1 Credit) Full year (11-12); Prerequisites: A minimum overall average of 85% or higher average in Algebra II and Geometry or Algebra III/Trig or 80% or higher in Honors Algebra II and Honors Geometry or Honors Advanced Math; 80% or higher on the final exam, teacher recommendation; Recommended scores: a PSAT score of 530 or higher, an SAT score of 530 or higher or an ACT score of 23 or higher. **Approval Required.** Major topics of study include limits and continuity, differentiation, integration and accumulation of change, applications of integration, parametric equations, and polar coordinates.


SCIENCE

***A third science course is required for graduation, and a science course must be taken during the JR or SR year.**

EARTH SCIENCE


 **Earth Science** (1 Credit) Full year (9); No prerequisite


This course includes a general study of meteorology, geology, astronomy, and oceanography. Everything will be taught from a Christian perspective with an emphasis on the Genesis account of Creation.


 **Environmental Science*** (1 Credit) Full year (11-12); Prerequisites: Completed two science credits.

This course introduces students to advanced principles and concepts of Environmental Science. It provides a broad understanding of the ecological relations and processes on the lands, in the oceans and fresh waters, and the air. The impacts of global and local environmental changes, human intervention, and effects of pollutants on various ecological units will also be examined.


BIOLOGY

 **Biology*** (1 Credit) Full year (9-10); Prerequisite: **(9th Grade)** 85% or higher in Physical Science; 85% or higher in Algebra I or 80% or higher in Honors Algebra I; and a teacher recommendation. **Approval Required. (10th Grade)** Earth Science. This course includes a study of the general principles of living organisms including a study of the cell, genetics, and each of the phyla in the six kingdoms. The entire course is taught from a Creation perspective. **This course or Honors Biology is a requirement for graduation.**

 **Honors Biology*** (1 Credit) Full year (9-10); Prerequisites: 85% or higher in Earth Science or Physical Science; 85% or higher in Algebra I or 80% or higher in Honors Algebra I; and a teacher recommendation. **Approval Required.** This course includes a study of the general principles of living organisms including a study of the cell, genetics, and each of the phyla in the six kingdoms. Students are expected to do more challenging work at a more demanding pace. The entire course is taught from a Creation perspective. **This course or Biology is a requirement for graduation.**


 **Honors Human Anatomy and Physiology*** (1 Credit) Full year (11-12); Prerequisites: a minimum overall average of 85% in Biology and Chemistry or 80% in Honors Biology and Honors Chemistry; and a teacher recommendation. **Approval Required.**

This course will include a detailed study of human anatomy and physiology. Emphasis will be placed on Man as a unique creation of God. Emphasis will also be placed on a Christian's responsibility to understand social, ethical, and moral concerns that relate to new scientific research. Students are expected to do more challenging work at a more demanding pace.


 **Advanced Placement Biology*** (1 Credit) Full year (11-12); Prerequisites: a minimum overall average of 85% in Biology and Chemistry or 80% in Honors Biology and Honors Chemistry; teacher recommendation; Recommended scores: PSAT math score of 510 or reading score of 500 or higher, or SAT math score of 530 or reading score of 510 or higher or ACT math score of 23 or reading score of 20 or higher. AP Biology students are expected to do more challenging work at a more rigorous pace. **Approval Required.**

This course is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions.


CHEMISTRY

 **Chemistry*** (1 Credit) Full year (10-12); Prerequisites: Biology or Honors Biology and be enrolled in Algebra II or completed Algebra II.

Topics of study include general study of matter, an in-depth study of the atom, and writing formulas for compounds. There is major emphasis on writing equations and solving problems for stoichiometry, gases and acids. The design and order of God in the creation and sustaining of the universe is emphasized.


 **Honors Chemistry*** (1 Credit) Full year (10-12); Prerequisites: A minimum overall average of 85% in Biology or 80% in Honors Biology and be enrolled in Algebra II or Honors Algebra II or completed Algebra II or Honors Algebra II with an 80% or higher; and a teacher recommendation. **Approval Required.**

What in the world is matter? What is it made of? What kinds of changes does it undergo? These questions and many more will be examined in this highly reactive and challenging course. Topics for study include matter and changes, atoms, chemical bonds, nomenclature, solutions, stoichiometry, acids and bases, oxidation-reduction, and kinetics. In addition, many laboratory experiences will help students realize that chemistry IS the central science. Students are expected to do more challenging work at a more rigorous pace.

 **AP Chemistry** (1 Credit) Full year (11-12); Prerequisites: a minimum overall average of 85% in Chemistry or 80% in Honors Chemistry; a minimum overall average of 85% in Algebra II or 80% in Honors Algebra II; teacher recommendation; Recommended scores: PSAT math score of 510 or reading score of 500 or higher, or SAT math score of 530 or reading score of 510 or higher or ACT math score of 23 or reading score of 20 or higher. AP Chemistry students are expected to do more challenging work at a more rigorous pace. **Approval Required.**

AP Chemistry is an introductory college-level chemistry course. Students will cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy.

PHYSICS

 **Physics*** (1 Credit) Full year (10-12); Prerequisites: Biology or Honors Biology; and be enrolled in Algebra II or completed Algebra II.

This introductory physics course helps students recognize the nature and scope of physics and its relationship to the other sciences. Students will learn about basic topics such as motion, forces, energy, momentum, heat and heat transfer, waves, electricity, and magnetism. Students will be engaged in scientific inquiry, investigations, and labs so that they develop a conceptual understanding and basic scientific skills.

SOCIAL STUDIES

World History I (1 Credit) Full year (8); No Prerequisite

This course is a survey of world history and cultures of the world from Creation to the middle ages. The goal of this course is for students to strengthen their historical and biblical worldview and to recognize how God has used nations throughout the course of history for His purposes and glory. Emphasis is placed on the analysis of primary and secondary sources in developing an understanding of the people, cultures, and governments of ancient civilizations.

World History II (1 Credit) Full year (10); No Prerequisite

This course is a survey of world history from the middle ages and the Renaissance period to the modern era, within the context of a Biblical worldview. Emphasis is placed on the spread and impact of Western civilization from the fall of Rome to the present. The goal of this course is for students to strengthen their historical and Biblical worldview and to recognize how God has used nations throughout the course of history for His purposes. **This course or Honors World History II is a required course for graduation.**

Honors World History II (1 Credit) Full year (10); Prerequisite: A minimum overall average of 80% in World History I, and a minimum overall average of 85% in English 9 or 80% in Honors English 9; and a teacher recommendation. **Approval Required.**

This course is a survey of world history and the impact of Western Civilization from the Renaissance period to the modern era, within the context of a Biblical worldview. The goal of this course is for students to strengthen their historical and Biblical worldview and to recognize how God has used nations throughout the course of history for His purposes. As an honors course, students will be expected to read, interpret, and draw conclusions from primary sources and other historical writings. This course is more in depth and covers far more complex economic, political, social systems and movements than the regular World History II course. A high level of reading comprehension and critical thinking is expected of students in this course. Students are encouraged to take the Western Civ II CLEP test upon completion of the course. **This course or World History II is a required course for graduation.**

United States/Virginia History (1 Credit) Full year (11); Prerequisite: World History II

Students will examine the historical development of American ideas and institutions from the colonial era to the present within the context of a Biblical worldview. The course includes a survey of American historical events, culture, people, conflict, and struggle that shape America and the world today. **This course or Dual Enrollment History is a required course for graduation.**

Dual Enrollment History 221/222 (1 high school credit and 6 college credit hours) Full year (11-12). Prerequisite: A minimum overall average of 80% in Honors World History II or 85% in World History II; teacher recommendation; Recommended scores: PSAT reading score of 500 or higher or SAT reading score of 510 or higher or ACT reading score of 20 or higher. **Approval Required.**


HIUS 221—Survey of American History I (1st Semester) This course is a survey of the political, social and economic developments of America from the colonizing experience through the Civil War with emphasis on the development of the American democratic tradition.

HIUS 222—Survey of American History II (2nd Semester) This course is a survey of American history from Reconstruction to the present, stressing interpretation and analysis of major eras and trends.


Dual Enrollment History students are expected to do more challenging work at a more rigorous pace. **This course or US/VA History is a required course for graduation.**

Government (1 Credit) Full year (12) Prerequisites: World History; US/VA History


This course is a study of the American political process from the organization of local and state governments to the constitutional framework of the federal system. Emphasis will be placed on the analysis of political parties, powers, and functions of the legislative, executive, and judicial branches, and the role of Christian citizens in an ever-changing global society. **This course or Honors Government is a required course for graduation.**

 **Advanced Placement Government** (1 Credit) Full year (12); Prerequisite: A minimum overall average of 85% in US/VA History or 80% in Dual Enrollment History; teacher recommendation; Recommended scores: PSAT reading score of 500 or higher or SAT reading score of 510 or higher or ACT reading score of 20 or higher. **Approval Required.**

This course provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project. **This course or Government is a requirement for graduation.**

 **Military History** (1 Credit) Full year (11-12); Prerequisites: World History II; be enrolled or have completed US/Virginia History.

This course is a study of military history from the ancient world to the present with an emphasis on the modern era and American military history. This course will also explore how leaders, weapons, culture, religion, nationalistic movements, technology, and ideologies shape warfare.

 **Advanced Placement Psychology** (1 Credit) Full year (11-12); Prerequisite: a minimum overall average of 85% in English 10 or English 11 or 80% in Honors English 10 or Honors English 11; a minimum PSAT reading score of 500 or higher, SAT reading score of 510 or higher, or ACT reading score of 20 or higher; and a teacher recommendation. **Approval Required.** This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

BIBLE

***a Bible class is required each year a student is enrolled at LCA.**

Apologetics - Bible 9* (1 Credit) Full year

This course is designed to equip the student to take their faith beyond personal application and equip them to engage the culture with their faith. Through this course the student will grow in their confidence of the Gospel and their faith. This course will equip the student to be confident and bold in standing up for their faith in the world. **This course is required for graduation.**

Evangelism & Missions - Bible 10* (1 Credit) Full year

This course is designed to equip students to fulfill the Great Commission in reaching people with the Gospel of Jesus Christ through one on one evangelism and worldwide missions, with the premise that evangelism and missions are the same and cannot be separated. This course is an in-depth look at the book of Acts from a missions and evangelism perspective. Through this course, the student will gain confidence in the truth of God's Word and His commission to reach the lost. **This course is required for graduation.**

Biblical Worldview - Bible 11* (1 Credit) Full year

This course will cover the basic principles that are required in order to formulate a Biblical worldview. Emphasis will be placed upon the relationship between behavioral freedom, Biblical ethics, and a Christian's responsibility to understand social, ethical, and moral concerns. **This course is required for graduation.**

Senior Bible - Bible12* (1 Credit) Full year

This course will include a survey of four topics: *The Book of James*, *The Life of Christ*, *Preparation for Marriage and Family*, and *World Philosophies and Religions*. **This course or Dual Enrollment Theology is required for graduation.**

Dual Enrollment Theology 201/202 (1 high school credit and 6 college credit hours) Full year (12); Prerequisite: a minimum overall average of 85% in regular English or 80% in Honors English; teacher recommendation; Recommended scores: PSAT reading score of 500 or higher or SAT critical reading/writing scores of 510 or higher or ACT reading/English scores of 20 or higher. Dual Enrollment Theology students are expected to do more challenging work at a more rigorous pace. **Approval Required.**

This course is a general survey of Bible doctrine designed to synthesize and outline each of the ten major areas of systematic theology, including prolegomena, bibliology, theology proper, Christology, angelology, pneumatology, anthropology, hamartiology, soteriology, ecclesiology and eschatology.

This course or Bible 12 is a required course for graduation.

Theology and Culture (1 Credit) Full year (9-12)

This course will explore major theological doctrines, cultural influences and trends, and how to contextualize theological doctrines in our present culture.

Cultivating Biblical Manhood (1 Credit) Full year (9-12)

This course will address the overall question, “What is it to be a man of God?” Today’s worldly definition of manliness leads young men to seek a life of money, cars, and women—men with bigger toys. While men view Christianity as soft, weak, and the loss of competition, aggression, and strength. This course will teach that a man does not need to forfeit the qualities of being a man in order to be a man of God. This course will look at men of the Bible, men of history, and men of today who use the gifts of masculinity to serve God, men that are not ashamed of the gospel.

Cultivating Biblical Womanhood (1 Credit) Full year (9-12)

This course will address the overall question, “What is it to be a woman of God?” This course will look at women of the Bible, women of history, and women of today who use their gifts to serve God, women that are not ashamed of the gospel.

HEALTH AND PHYSICAL EDUCATION

9th Grade Health and Physical Education (1 Credit) Full year; No Prerequisite

Classes will rotate on a semester basis in order to maintain a consistency in both the Health and PE curriculum. Health builds upon topics that are important to the growing teenager— alcohol, drugs, tobacco, health promotion, appearance and performance enhancers, and communicable and non-communicable diseases. Physical Education emphasizes a lifestyle of fitness and builds upon the basics of the team sports introduced in the lower grades and begins to teach higher level thinking skills in each. **This is a required course for graduation.**

10th Grade Health and Physical Education and Driver’s Education (1 Credit) Full year; Prerequisite: 9th Grade Health/PE

Classes will rotate on a semester basis in order to maintain a consistency in both the Health and PE curriculum.

First Semester - First semester is a combination of Driver’s Education and First Aid. The 36-hour required in-class Driver’s Education course is taught, and **students must pass with a 70% in order to be state certified to take “Behind the Wheel”** at LCA. American Health and Safety Institute materials are utilized for First Aid. Second Semester - Physical education focuses on the transition between the team sport concept and activities that can be integrated for a lifetime. **This is a required course for graduation.**

Driver’s Education – Behind the Wheel Training (No Credit) (10-12)

The Behind the Wheel training portion of driver education is available to students who have a current VA Learner’s Permit and have **successfully completed the 36 hour in-class portion with a minimum grade of 70%**. There is a fee associated with this training. Registration information is available through the Guidance Department.

Sports Medicine I (1 Credit) Full year (11-12); Prerequisites: Biology.

This course is designed to provide high school students with the basic knowledge to recognize, prevent, and rehabilitate sports injuries and teach techniques, concepts, and procedures proven to be effective in the management of athletic injuries. Hands on injury prevention and rehabilitation techniques, such as taping, bracing, and wrapping will be taught in the training room/lab setting. This course in no way prepares a young person to make medical decisions, but rather it introduces him/her to the field of Sports Medicine.

Sports Medicine II (1 Credit) Full year (12); Prerequisite: Sports Medicine I.

This course is designed to provide high school students with the basic knowledge to recognize, prevent, and rehabilitate torso and upper extremity injuries, and teach techniques, concepts and procedures proven to be effective in the management of athletic injuries, as well as administrative duties. Hands on injury prevention and rehabilitation techniques, such as taping, bracing and wrapping will be taught in the training room/lab setting. This course in no way prepares a young person to make medical decisions, but rather it introduces him or her to the field of Sports Medicine. Students are expected to do more challenging work at a more demanding pace.

Advanced Physical Education (1 Credit) Full year (11-12); No prerequisite. **Approval Required.**

This course is designed for students who have a desire to learn lifetime sports and activities. The course emphasis is on individual and dual sports such as bowling, tennis, golf, Ping-Pong, paddleball, badminton, and others. Units of study may vary each year based on the availability of local facilities.

Women's Strength and Conditioning (1 Credit) Full Year; No prerequisite. **Approval Required.**

This course is designed for the student who desires to learn the mechanics of lifting to increase muscle strength, muscle endurance, flexibility, and cardiovascular endurance. Emphasis is placed on developing each area through functional and sport-specific exercises including, but not limited to weight training, stretching, plyometrics, and aerobic and anaerobic activities. ***This course may be taken more than once.**

Men's Strength and Conditioning (1 Credit) Full Year; No prerequisite **Approval Required.**

This course is designed for the student who desires to increase muscle strength, muscle endurance, flexibility, and cardiovascular endurance. Emphasis is placed on developing each area through sport-specific exercises including, but not limited to weight training, stretching, plyometrics, and aerobic activities. ***This course may be taken more than once.**

FINE ARTS

ART

Art Foundations (1 Credit) Full year (9-12); No prerequisite

This course serves as a foundation for learning and exploring visual elements including line, shape, color, perspective, value, texture, space and movement as well as basic 2D/3D design and art criticism. Students will learn introductory techniques in watercolor, acrylic painting, basic ceramics, mixed media as well as developing drawing skills.

Drawing & Painting I (1 Credit) Full year (10-12); Prerequisite: Art Foundations or approval based on art portfolio.

Students will work in a variety of drawing techniques using graphite, charcoal, pastel and colored pencil. In addition to intermediate skills in drawing, this class will focus on acrylic, ink, and watercolor processes. Inspiration for the drawings and paintings will be modern art and art history. Students will also explore non-traditional and contemporary art techniques with soap, plaster, and other mixed mediums.

Drawing & Painting II (1 Credit) Full year (10-12); Prerequisite: Drawing & Painting I.

This course will build upon the basic drawing and painting skills to focus on the development of strong compositions, as well as artistic style and voice. Students will work in a variety of drawing and painting mediums, and will explore more complex artistic styles, techniques, and concepts. This course involves a high level of critical thinking, independent work and study, and deeper problem-solving expectations.

Sculpture (1 Credit) Full year (10-12); No prerequisite

This course will focus on three-dimensional art in a variety of media with a major emphasis on clay and ceramics with hand building and potter's wheel work. Students will explore wire, papier-mâché, and wood as materials to create three-dimensional art. Sculpture from art history as well as current artists will inspire student work. This course will also focus on arts and crafts and explore a variety of art processes and techniques that may include batik and glass mosaics.

AP Art (1 Credit) Full year (11-12); Prerequisite: Art Foundations or Drawing & Painting. **Approval Required.**

This course presents an inquiry-based approach to learning about and making art and design. Students are expected to conduct an in-depth, sustained investigation of materials, processes, and ideas. AP Art students develop and apply skills of inquiry and investigation, practice, experimentation, revision, communication, and reflection. Students create and submit portfolios for AP Drawing, AP 2D Art and Design, AP 3D Art and Design. ***This course may be taken more than once.**

MUSIC

Concert Choir (1 Credit) Full year (9-12); No prerequisite. **Application and Audition Required.**

This course is designed to exercise the advanced skills of the student and to improve upon vocal techniques through the use of varied repertoire. Students are required to participate in all concerts. Additional opportunities to perform include chapels, regional, and district choral events, and local churches and community events. ***This course may be taken more than once.**

Praise & Worship (1 Credit) Full year (10-12); No prerequisite. **Application and Audition Required.**

This course will study what praise and worship is in reference to daily living and communicating this worship through the vehicle of music. Praise and Worship will teach students how to become effective communicators through music ministry. It will also give students the opportunity to practice effectively and prepare spiritually for chapel. Students in this class will lead worship in chapel services. ***This course may be taken more than once.**

High School Band (1 Credit) Full year (9-12); No prerequisite.

Content includes the development of individual competency in sight reading, dynamics, rhythmic interpretation, intonation, and the concepts of ensemble performance. This band is intended to meet the needs of the advanced instrumentalist. ***This course may be taken more than once.**

Commercial Music (1 Credit) Full year (9-12) Prerequisite: One or more years of band at the middle or high school level, or two years of piano lessons. **Audition Required.**

An advanced music class which is a small-group performance-based class for instrumentalists who play drum set, keyboard percussion, piano, bass, guitar (electric), and string and wind instruments. All students will be held to high standards and are expected to make musical growth. The course will have practice requirements for homework, as well as performances outside of the school day. There will be music composition and theory-based projects throughout the course. The following areas represent a broad list of areas to be studied: Jazz styles, improvisation, history and social studies, instrument-specific roles, reading (pitch and rhythm training), critical listening, music theory, song form, jazz and commercial music repertoire, ear training, and performance. Entrance is by audition and director approval only. ***This course may be taken more than once.**

DRAMA

Acting / Theater I (1 Credit) Full year (9-12); No prerequisite

In the first semester the course will focus on character analysis. The student will do an in-depth study of characterization. The student will participate in a variety of performances. All aspects of production will be developed. In the second semester, the course will explore the history of theater. All aspects of directing, producing, and assembling a production will be explored. A study and hands-on application of the skills of set design, make-up, lighting, and costuming will be practiced.

Acting and Theater II (1 Credit) Full year (10-12); Prerequisite: Acting and Theater I.

This course will be a study of acting theory and production where six basic theories of acting will be studied. This class will also be used to prepare for various theatre competitions such as VTA. The students will view selected classic films that will be representative of various film eras and genres. The various acting techniques of the actors will be observed, identified, and analyzed. Students will evaluate and understand the aspects used in the film in the areas of script writing, costuming, makeup, set design, acting technique, lighting, technical production, vision, and intent. The students will write their own theatrical scripts that they will cast, produce, and direct.

APPLIED ARTS

TECHNOLOGY

Introduction to Programming (1 Credit) Full year (9-12); No prerequisites

This course will cover Microsoft Small Basic and an introduction to Visual Basic. This course will focus on the IT industry as a profession and the use of programming in the world of business. Careers and social issues that are driven by programming in the IT industry will also be discussed.

C# Programming (1 Credit) Full year (10-12); Prerequisite: Introduction to Programming.

This course will be a complete introduction to the Visual C# Programming Language and the Microsoft Integrated Development Environment. Students will learn about project design, the use of the C# development tool box as well as writing code utilizing the C# tool set. Students will demonstrate proficiency of course objectives through hands-on projects in C#.

Computer Aided Drafting (CAD) (1 Credit) Full year (10-12); No prerequisite

Drafting will introduce students to computer-aided drafting concepts and equipment in order to develop a general understanding of a typical AutoCAD system and its operation. This course is designed to prepare students to participate in post-secondary engineering programs.

Cybersecurity (1 Credit) Full year (9-12); No prerequisite

This course will help students develop a thorough understanding of the digital landscape they encounter daily. They will delve into the essential components of computer hardware and software, explore the complexities of network connectivity, and immerse themselves in the realms of encryption and cryptography. Additionally, the course emphasizes the vital importance of protecting our increasingly digital world from unauthorized access, while upholding the privacy and integrity of data. By grasping these foundational concepts, students will be equipped to identify and mitigate potential cybersecurity threats. This holistic approach will ensure that they are well-prepared to navigate the continually evolving cybersecurity landscape.

Dual Enrollment INFT 110 (1 high school credit and 3 college credits) Full year elective (11-12); Prerequisites: A minimum overall average of 85% in a technology or core area class; teacher recommendation; Recommended scores: PSAT reading score of 500 or higher or SAT reading score of 510 or higher, an SAT math score or 530 or higher, ACT reading score of 20 or higher, or ACT math score of 23 or higher. **Approval Required.**

This Computer Concepts and Applications course will introduce the student to the operation and use of computers. Specific applications taught include operating systems, word processing, spreadsheets, and presentation software. In addition,

students will learn basic terminology and concepts related to the use of computers in today's society. Students are expected to do more challenging work at a more rigorous pace. *The course culminates with the Liberty University Information Technology Computer Assessment (skills and concepts entrance exam).*

Broadcasting Bulldog Bytes (1 Credit) Full year (11-12). No prerequisite. **Approval Required.**

This course provides real-world experiences for students to practice skills relating to public speaking in the areas of writing, editing, speaking, problem solving, and interviewing. Emphasis is placed on the technology used in broadcasting, effective personal presentation, and collaboration. ***This course may be taken more than once.**

DIGITAL DESIGN

Multimedia and Digital Imaging (1 Credit) Full year (9-12); No prerequisite

This course will introduce digital photography, Photoshop, PowerPoint, web design, video and audio editing, computer animation, and Scratch, an open-source icon programming. This course is project-oriented and students will be expected to be self-directed to manage tasks within given timeframes.

Photography (1 Credit) Full year (10-12); No prerequisite; **Students must have a digital single lens reflex (DSLR) camera with manual setting capabilities.**

In this introductory photography course, students study the basic parts of the camera, concepts of exposure control with aperture, shutter speed and ISO and exposure equivalents, lighting, and composition. Weekly field assignments outside of class help students perfect skills needed to become a good photographer. One quarter will be spent on Adobe Photoshop to learn how to edit photographs. This course requires significant time outside of the classroom taking photos to be used with in-class assignments.

Graphic Design (1 Credit) Full year (10-12); No prerequisite

In this course, students will complete a variety of design projects including publication design, posters, logos, magazine layouts, photo manipulation, illustration, and more. Students will begin this course learning about the elements and principles of design, color theory, and typography standards used in visual communication. Students will be given the opportunity to explore the design process and develop creative visual solutions for their own projects. The course will introduce various career paths in the graphic design industry. Students will learn beginning and intermediate skills in Adobe Photoshop, Illustrator, and InDesign and will create a digital portfolio of their work.

STEM

Robotics (.5 Credit) Semester (9-12). No prerequisite

This course uses lessons developed by VEX Robotics to teach practical skills in programming, design, and development, while simultaneously preparing to compete in the spring VEX Robotics completion. The ultimate goal of this course is to help students develop collaborative skills while strengthening creative, critical thinking capabilities. ***This course may be taken more than once.**

YEARBOOK

Yearbook (1 Credit) Full year (10-12); No prerequisite **Application and Interview Required.**

This course is designed to develop students' skills in one or more of the following areas: copy writing, yearbook design, photography, and editing. Students will learn how to use Adobe InDesign to put the yearbook together as well as Adobe Bridge to organize content. In addition, students will learn to market and sell advertising necessary to supplement the production expenses of the yearbook. ***This course may be taken more than once.**

BUSINESS

Economics and Personal Finance (1 Credit) Full year (11-12); No prerequisite

Students will understand personal finance and economics through a biblical perspective. They will learn to manage money by preparing a practical budget, maintaining a checking and savings account, considering the necessity of insurance, reflecting on the benefits of good credit, studying investment strategies within their reach, understanding basic economic principles, and completing an entrepreneurship project. **This course is required for graduation.**

Accounting (1 Credit) Full year (11-12); Algebra II

This course will divulge the key to understanding the language of Business. Concepts will include: the accounting cycle, investigation of subledgers and transactional data, preparation of financial statements and ratio analysis. Projects will include forensic investigations to ascertain the fortitude of internal controls utilizing Microsoft Excel. The focus of this class will include sole proprietorships, partnerships and corporations.

FAMILY AND CONSUMER SCIENCES

Culinary Arts (1 Credit) Full year (9-12); No prerequisite

Students develop and refine food preparation skills through a well-balanced blend of lectures and practical applications in the lab. Menu planning, meal preparation, food budget, kitchen safety, kitchen cleanliness, personal safety and personal cleanliness are emphasized throughout the course. In addition, special emphasis is placed on the My Plate and on home management.

Sewing and Home Design (1 Credit) Full year (9-12); No prerequisite

This course will offer students the ability to learn basic skills in sewing by completing various projects for both personal and home use while also learning and applying principles and elements of design in clothing and in the home.

VOCATIONAL

Woodworking (1 Credit) Full year (9-12); No prerequisite

This is a basic course designed to provide students with an opportunity to use hand and power tools to build wood projects. Students design projects, follow approved work procedures, use proper assembly techniques, and learn to use protective finishes on projects. In addition, beginning blueprint reading, tool identification, and safety procedures are stressed during the first semester. During the second half of the year, students will sharpen and expand their basic skills. Projects are more detailed, and the level of difficulty is commensurate with the students' skills. Along with teacher assigned projects, students will select a teacher approved project to produce during the semester.

CORE (CRFT 101) (1 high school credit and NCCER Certification) Full year (10-12); Prerequisite: Woodworking preferred.

Approval Required.

CORE serves as the orientation and foundation for each technical studies specialization. Topics addressed include introductions to: Safety, Construction Math, Hand Tools, Power Tools, Construction Drawings, Communication Skills, Employability Skills and Materials Handling. *This course serves as a prerequisite for all technical studies foundation courses.* **These dual credits are only accepted and granted as credentialed credits through Liberty Technical Studies.**

Carpentry (CARP 101) (1 high school credit and NCCER Credential) Full year (11-12); Prerequisite: CORE NCCER Certification. **Approval Required.**

Carpentry is a practical course combining lecture and hands-on instruction. Topics addressed include: Orientation to the Trade; Building Materials, Fasteners, and Adhesives; Hand and Power Tools; Reading Plans and Elevations; Floor Systems; Wall and Ceiling Framing; Roof Framing; Introduction to Concrete, Reinforcing Materials and Forms; Windows and Exterior Doors; Basic Stair Layout. **These dual credits are only accepted and granted as credentialed credits through Liberty Technical Studies.**

Dual Enrollment Education 201 (1 high school credit, 3 college credits and Field Experience Practicum) Full year (11-12); Prerequisite: A minimum overall average of 85% in an English or math class; teacher recommendation; administrator approval; Recommended scores: PSAT Reading or Math score of 500 or higher or SAT Reading score of 510 or higher, an SAT Math score of 530 or higher, ACT Reading score of 20 or higher, or ACT Math score of 23 or higher. **Approval Required** This course is Introduction to Education and Instructional Technology. The teacher candidate will be acquainted with the role of public and private education and the nature of the teaching profession as well as technology in the classroom. Attention will be given to current developments in the field of education and the terminology basic to those in the profession. Students will apply what they learned through a practicum internship in a classroom as a teacher's assistant.

ACADEMIC SUPPORT

Algebra I Remediation (1 Credit) Full year (9-10); Prerequisites: 69% average or below in Pre-Algebra 8 and teacher recommendation.

This **elective** course is designed to provide intense Algebra I support and aid students in building their conceptual understanding of algebra. This instruction will also reinforce prerequisite concepts for Algebra I that a student may be lacking. Students will practice necessary fundamental skills which will reinforce what is taught in their core class. **This course is not a math credit toward graduation.**

Algebra II Remediation (1 Credit) Full year (9-10); Prerequisites: 69% average or below in Geometry or Algebra I and teacher recommendation.

This **elective** course is designed to provide intense Algebra II support and aid students in building their conceptual understanding of algebra. This instruction will also reinforce prerequisite concepts for Algebra II that a student may be lacking. Students will practice necessary fundamental skills which will reinforce what is taught in their core class. **This course is not a math credit toward graduation.**

Resource (1 Credit) (Separate contract and annual cost required) Full year (9-12) **Enrollment in this course is by administrative recommendation.**

Resource is taught by certified special education teachers and is available to students with documented academic disabilities. Documentation must be in the form of a current evaluation (within the last three years) by either independent, professional testing or a public school system. Acceptance into the resource program is determined by the LCA Eligibility Committee. Resource is designed to help students identify and utilize strategies that will help them become independent learners. Students are expected to maintain an agenda that will help them organize their class and homework assignments. The focus within Resource is remediation, clarification, and review of academic material. Resource is part of a collaborative approach to learning that includes students, parents, and classroom teachers. As such, it is very important that parents maintain communication with their child's classroom teachers. Additionally, as needed, classroom intervention strategies defined by the academic plan may be implemented to help promote success. Students are also taught self-advocacy skills that are necessary for the classroom and beyond.

Learning Lab (No Credit) Full year (9-12)

This course is designed to provide students with a structured, scheduled study environment. Students are expected to bring their own work to complete during this time. Students may apply to assist in the High School Office as an Office Runner during this class period.

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