

LEGACY CHRISTIAN ACADEMY
UPPER SCHOOL



2021-2022
**COURSE
CATALOG**

BEYOND COLLEGE PREP

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Mission, Vision & Core Values

MISSION: Legacy Christian Academy develops strong leaders with biblical convictions who are equipped to succeed in college and beyond.

We accomplish this mission through a balanced approach that honors and upholds

- Challenging academics
- Robust fine arts
- Competitive athletics
- Positive mentoring relationships
- Covenant partnerships with Christian families

VISION: Legacy Christian Academy will be the school of choice for committed Christian families in North Texas who desire the best Christ-centered education for their children.

CORE VALUES: Legacy Christian Academy affirms these essential beliefs and strives to honor and uphold them in all aspects of school life.

- **Pursuit of Truth.** We affirm “all truth is God’s truth” through a liberal arts education that fosters a love for learning and a desire for wisdom. (*John 8:32: and you will know the truth, and the truth will set you free*)
- **Primacy of Scripture.** We teach all subjects from a biblical worldview and we apply the truth and authority of biblical principles in all situations. (*2 Timothy 3:16-17: All Scripture is breathed out by God and profitable for teaching, for reproof, for correction, and for training in righteousness, that the man of God may be complete, equipped for every good work.*)
- **Imago Dei.** We respect all people as individuals created in the image of God and we celebrate the diversity of gifts and callings. (*Genesis 1:26: Then God said, “Let us make man in our image, after our likeness.”*)
- **Covenant relationships.** We build relationships that foster mutual support, respect, and a commitment to promote the welfare of others. (*Philippians 2:3-4: Do nothing from selfish ambition or conceit, but in humility count others more significant than yourselves. Let each of you look not only to his own interests, but also to the interests of others*)
- **Discipleship.** We, as Christ-followers, are committed to a life of virtue and acting as agents in God’s plan of restoration. (*Matthew 16:24: Then Jesus told his disciples, if anyone would come after me, let him deny himself and take up his cross and follow me.*)
- **Servant-leadership.** We provide opportunities to serve one another, our community, and our world. (*Matthew 20:26-28: But whoever would be great among you must be your servant, and whoever would be first among you must be your slave, even as the Son of Man came not to be served but to serve, and to give his life as a ransom for many.*)

Academic Policies & Information

Grading Scale

All subjects taken throughout grades 9-12 are calculated using a 4.0 scale. For grades 9-12, semester grades in all Honors, AP classes and Dual Credit are given extra GPA weight due to the level of difficulty of these courses.

LETTER GRADE	NUMERICAL GRADE	REGULAR GPA	HONORS GPA	AP/Concurrent GPA
A+	98-100	4.00	4.50	5.00
A	93-97	3.75	4.25	4.75
A-	90-92	3.50	4.00	4.50
B+	87-89	3.25	3.75	4.25
B	83-86	3.00	3.50	4.00
B-	80-82	2.75	3.25	3.75
C+	77-79	2.50	3.00	3.50
C	73-76	2.25	2.75	3.25
C-	70-72	2.00	2.50	3.00
FAILING	0-69	0.00	0.00	0.00

Only grades earned at Legacy Christian Academy are included in the GPA. GPA is calculated on the above scale with weighting for Honors classes and AP classes. Because we encourage our students to take honors and AP courses, and because we feel that the difficulty level of these courses is substantially higher than other courses, we believe that weighting is appropriate. Consequently, we do not provide an unweighted GPA.

Class Format Types

Classes at LCA are categorized into four unique formats. The default format of a listed class is “Standard.” Other formats are clearly indicated in the course description. See information on the various formats below:

1. **Standard** – One LCA teacher on campus instructing in a class room with class-wide pacing. All students in the room are taking the same class at the same pace.
2. **Blended** – One LCA teacher on campus instructing in a classroom with student-specific pacing. Students in the room may be taking different classes in a similar field. Much of the curriculum is on-line and may be self-paced. Students are free to work ahead should they desire.
3. **Online** – A student at LCA will be in an online learning environment with an off-campus/online instructor. Students may be in the class from various other schools across the country/world. Some of these classes will be independent study while others which include multiple LCA students may have a facilitator on campus.
4. **Independent/Internship Study** – Students working independently to study a subject, topic or career. Students will be assigned a mentor to facilitate the study and provide guidance oversight over the learning.

Head of School Honors List

Students at LCA who receive all A's (unweighted) for the entire school year will be recognized by the Head of School and named to the **Head of School Honors List**. The list will be published in June.

Course Availability

Courses listed are subject to course minimums and scheduling restrictions. In the event that a course does not receive the minimum required number of students or a course cannot be worked into a student's non-core class schedule, an alternate selection may be substituted. All prerequisites for a course must be met in order to be enrolled. All prerequisites are noted in the course descriptions. This includes minimal grades in prerequisite courses as well as teacher recommendations and or applications where noted. A student or parent may request an enrollment appeal to the administration in writing. Appeals are contingent upon an open spot being available for an additional student.

While every effort is made to enroll students in their first choice, not all students will receive first choice. Priority is given to students with the best academic record in prerequisite classes. Grades and norm-standard tests may be used to determine eligibility in competitive enrollment situations.

GPA AND CLASS RANK POLICIES & INFORMATION FOR 2021-22

Grade Point Average – LCA calculates a student’s GPA at the end of each year, based on final semester grades. A seventh-semester GPA is available in the middle of the senior year. Only grades earned at Legacy Christian Academy starting in 9th Grade are included in the GPA. GPA is calculated on the above scale with weighting for Honors classes and Concurrent Enrollment /AP classes. LCA encourages students to take advanced courses, and because the difficulty level of these courses is substantially higher than other courses, we believe that weighting is appropriate. Consequently, LCA does not provide an unweighted GPA.

Ranking Policy – Legacy Christian Academy does not publish a complete ranking of students. A student’s class rank will not be calculated or reported except for the top 10 percent of a given class to meet the requirements of Texas House Bill 588. At the end of a student’s Junior year, a top 10 percent report will be calculated for college admissions. Those students in the top 10 percent will be notified and have the official ranking printed on their transcript. No other rankings will be disclosed. In the case of a tie for the top 10 percent, grade point averages shall be calculated to the number of decimal places needed to break the tie. Final senior ranking for the top 10 percent shall be determined at the end of the student’s senior year. The calculation for class rank for the top ten percent is based on the weighted GPA for each semester of courses taken only at LCA starting in 9th grade. A student will not be included in the top ten percent class rank calculation until they have completed a minimum of three semesters at Legacy Christian Academy.

Valedictorian and Salutatorian – To be eligible to graduate with valedictory or salutatory honors, a student shall: (a) have the highest or second highest cumulative grade-point average, (b) have attended LCA for 3 years immediately preceding graduation, (c) have completed the school’s graduation plan.

“Highest Ranking Graduate” Texas Program – To be eligible for the official “Highest Ranking Graduate” Texas Program, a student shall: (a) be a Texas resident, nonresident, or foreign student, (b) graduate from an accredited high school in the State of Texas, (c) be the “Highest Ranking Graduate” based on LCA policy. Legacy policy dictates that only the Valedictorian be considered our “Highest Ranking Graduate” Texas Program Recipient. To be considered the “Highest Ranking Graduate” for Legacy Christian Academy the student must meet the requirements and be officially named as the Valedictorian for Legacy. Transfer students who do not fulfill the requirements for Valedictorian consideration will not be eligible regardless of their GPA.

Graduation Requirements

Before being awarded a high school diploma from LCA, a student must:

1. Complete all Legacy Christian Academy high school core requirements (22 credits);
2. Choose a professional school and complete the chosen school requirements (5 credits);
3. Have a minimum cumulative grade point average of at least 2.00 on a 4.00 scale;
4. Have met all non-curricular requirements required of Legacy Christian Academy students;
5. Receive the approval of the Head of School upon recommendation from the Upper School Principal on behalf of the faculty.

CORE SUBJECT	CREDITS	PROFESSIONAL SCHOOL SUBJECT	CREDITS
English	4	Biblical Worldview	1
Math	4	Foundation Class	1
Science	4	Concentration Class or Elective	2
Bible	3	Capstone or Elective	1
History	3		
World Languages	2		
Fine Arts	1		
Athletics or Equivalent	1		
TOTAL CORE	22	TOTAL PROFESSIONAL SCHOOLS	5

Graduation Honors Designation

Honors Recognition for graduates will be determined by weighted GPA for Legacy Christian Academy classes only. See chart below.

HONORS LEVEL	REQUIRED GPA (WEIGHTED)
Cum Laude	3.50 – 3.74
Magna Cum Laude	3.75 – 3.99
Summa Cum Laude	4.00 +

College Credit Courses

LCA offers a robust number of college credit opportunities while still in high school. These courses are a blend of Advanced Placement and Concurrent Enrollment through accredited universities. In total, LCA makes over 50 hours of college credit available to its students and families. AP students and dual-enrollment students must sit for the AP exam and dual-credit final exams. Failure to sit for a required exam will result in a 10% reduction in the overall 2nd semester LCA grade of the AP course or a zero on the final of the dual-credit course.

The anticipated fees for 2021-22 are as follows:

- AP Exam Fee - \$105 per exam
- John Brown (JBU) Fee - \$110 per credit hour
- LeTourneau University (LETU) Fee - \$110 per credit hour
- Palm Beach Atlantic University (PBAU) Fee - \$110 per credit hour

Concurrent Course Enrollment Requirement per Institution:

- LeTourneau University: Jr/Sr with a 3.0 GPA (on a 4.0 unweighted scale)
- John Brown University: Jr/Sr with a 3.0 GPA (on a 4.0 unweighted scale) and 20 ACT composite
- Palm Beach Atlantic University: Jr/Sr with a 3.0 GPA (on a 4.0 unweighted scale)

For specific course requirements, see course descriptions in the catalogue.

Math:

1. AP Calculus AB* – 2 Semesters (1 credit – weighted)
2. MTH 1113 College Algebra# – 2 Semesters (1 high school math credit - weighted, 3 hours of JBU credit)
3. MTH 1123 Survey of Calculus# – 2 Semester (1 high school math credit - weighted, 3 hours of JBU credit)

Science:

4. AP Physics I* – 2 Semesters (1 credit – weighted)
5. AP Biology* – 2 Semesters (1 credit - weighted)
6. AP Chemistry* – 2 Semesters (1 credit – weighted)

English:

7. EGL 1013 English I: Composition# - 2 semesters (1.0 high school English credit - weighted, 3 hours of JBU credit)
8. EGL 1023 English II: Literary Analysis & Research# - 2 semesters (1.0 high school English credit - weighted, 3 hours of JBU credit)

Social Studies:

9. HST 2113: US History to 1865#—1 semester (0.5 high school history credit-weighted, 3 hours of JBU credit)
10. HST 2123: US History since 1865#—1 semester (0.5 high school history credit-weighted, 3 hours of JBU credit)
11. POLS 2503: US Government## - 1 semester (0.5 high school history credit-weighted, 3 hours of LETU credit)
12. ECON 2103: Macroeconomics## - 1 semester (0.5 high school history credit-weighted, 3 hours of LETU credit)

World Languages:

13. SPAN 1113: Elementary Spanish I## - 1 semester (0.5 high school world language credit-weighted, 3 hours of LETU credit)
14. SPAN 1123: Elementary Spanish II## - 1 semester (0.5 high school world language credit-weighted, 3 hours of LETU credit)
14. AP Latin Literature* – 2 Semesters (1 credit - weighted)

Fine Arts:

15. AP Studio Art I* – 2 Semesters (1 Fine Arts Credit - weighted)

Professional Schools Program/Electives:

16. AP Computer Science A* - 2 semesters (1 elective credit – weighted)
17. COSC 1303: Computer Science I## - 1 semester (0.5 high school credit-weighted, 3 hours of LETU credit)
18. COSC 2103: Computer Science II## - 1 semester (0.5 high school credit-weighted, 3 hours of LETU credit)
19. PSYC 2013: Intro to Psychology## - 1 semester (0.5 high school credit-weighted, 3 hours of LETU credit)
20. PSYC 2143: Human Growth & Development## - (0.5 high school credit-weighted, 3 hours of LETU credit)
21. HLSC 2033: Medical Terminology## - 1 semester (0.5 high school credit-weighted, 3 hours of LETU credit)
22. PLW 2003 Introduction to Criminal Law## - 1 semester (0.5 high school credit weighted, 3 hours of PBAU credit)

Key:

* Contingent upon exam score and transfer of credit

Contingent upon passage of course and transfer of credit

+ Online Course

New for 2021-2022 School Year

**UPPER SCHOOL COURSE SEQUENCE & OPTIONS
2021-2022**

	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Department Offerings				
English 4 credits	English I Honors English I	English II Honors English II	English III JBU 1013 Composition	English IV JBU 1013 Composition JBU 1023 Lit. Analysis
Mathematics 4 credits (Algebra I, Geometry, Algebra II required)	Algebra I Geometry Honors Geometry	Geometry Algebra II Honors Algebra II	Algebra II Honors Algebra II College Algebra JBU College Algebra Honors Pre-Cal Financial Algebra	JBU College Algebra College Algebra Honors Pre-Cal Financial Algebra Honors Statistics JBU Calculus AP Calculus AB
Science 4 credits (Biology, Chemistry, Physics required)	Biology Honors Biology	Chemistry Honors Chemistry	Physics Honors Physics AP Physics Honors Engineering Honors Anatomy AP Biology AP Chemistry Forensics	Physics Honors Physics AP Physics Honors Engineering Honors Anatomy AP Biology AP Chemistry Forensics
Bible & History 6 credits	Ancient World History & Theology Honors Ancient World History & Theology	Worldviews Honors Worldviews	Apologetics Honors Apologetics	Honors Christian Mind
		Modern World History & Theology Honors Modern World History & Theology	US History JBU US History	Government & Economics LETU US Government & Macroeconomics
Foreign Language 2 credits	Spanish I, Spanish II, Honors Spanish II, Honors Spanish III, LETU Spanish I & II Latin I, Latin II, Honors Latin II, Honors Latin III, AP Latin Literature			
Fine Arts 1 credit	Art, Band, Choir, Theatre, Tech Theatre, Digital Design I & II			
Athletics 1 credit	Sports Participation (.5 credit), Marching Band (.5 credit), Off Season Strength & Conditioning (.5 credit), Off-Campus Athletics			
Professional School Offerings & Electives				
Biblical Worldview	Servant Leadership, Faith & Science, Christian Perspective on the Arts			
Business	Business Concepts, Business Applications, Professional Communications, Communications Aide, Sr. Capstone			
Medicine	Intro to Health Medicine, Intro to Psychology, LETU Intro to Psychology, LETU Human Growth & Development, LETU Medical Terminology, Sr. Capstone			
Engineering & Technology	Principles of Applied Engineering, Intro to Computer Science, AP Computer Science, Robotics, LETU Computer Science I & II, Sr. Capstone			
Humanities	Intro to Law, Business Law & Ethics, Honors Constitutional Law, Honors Criminal Law, PBAU Criminal Law, Intro to Psychology, Early Ed & Training, Honors Christian Mind, LETU Intro to Psychology, LETU Human Growth & Development, Professional Communications, Sr. Capstone			
Fine Arts	Honors Studio Art III, AP Studio Art IV, Honors Band III, Advanced Band IV, Honors Choir III, Advanced Choir IV, Honors Theater III, Advanced Theater IV, Worship Arts, Photography, Sr. Capstone			
Non-Departmental	Legacy Learning Center, Yearbook, Science Lab Aide, Office Aide, Study Hall			

PROFESSIONALS SCHOOL PATHWAYS

SCHOOL OF BUSINESS

Professional Core – 2 credit classes required for every concentration

- A. Servant Leadership (Biblical Worldview)
- B. Business Principles

Concentration - Entrepreneurship & Management (3 Credits)

- 1. Business Applications
- 2. Financial Algebra
- 3. Capstone – Internship, Independent Study, etc.
 - a. 4th Math must be College Algebra, Honors Pre-Calculus or Honors Statistics

Concentration – Finance & Accounting (3 Credits)

- 1. Business Applications
- 2. Honors Statistics
- 3. Capstone – Internship, Independent Study, etc.
 - a. Must complete Honors Pre-Calculus
 - b. *Recommended elective: Business Mathematics & Financial Literacy*

Concentration – Communications & Marketing (3 Credits)

- 1. Professional Communications
- 2. Business Applications
- 3. Capstone – Internship, Independent Study, etc.

Interdisciplinary (3 Credits)

- 1. Business Applications OR PSP School Core (Intro to Health Medicine, Principles of Applied Engineering, Intro to Psychology, Foreign Language III, or 2nd Fine Art)
- 2. 2 electives
- 3. Capstone not required - recommended

SCHOOL OF ENGINEERING & TECHNOLOGY

Professional Core – 2 credit classes required for every concentration

- A. Faith & Science (Biblical Worldview)
- B. 5th Math

Concentration – Engineering (3 Credits)

- 1. Principles of Applied Engineering
- 2. Computer Science Elective
- 3. Capstone – Internship, Independent Study, etc.
 - a. 3rd and 4th Science must be Honors Engineering and Honors or AP Physics
 - b. 5th Math must be JBU Survey of Calculus or AP Calculus AB

Concentration – Computer Science (3 Credits)

- 1. AP Computer Science
- 2. Computer Science Elective
- 3. Capstone – Internship, Independent Study, etc.
 - a. 5th Math must be Honors Pre-Calculus or higher
 - b. *Recommended elective: Principles of Applied Engineering*

Interdisciplinary (3 Credits)

- 1. 5th Math OR PSP School Core (Intro to Health Medicine, Intro to Psychology, Business Concepts, Foreign Language III, or 2nd Fine Art)
- 2. 2 Elective Credits
- 3. Capstone not required - recommended

PROFESSIONALS SCHOOL PATHWAYS

SCHOOL OF FINE ARTS

Professional Core – 2 credit classes required for every concentration

- A. Christian Perspective on the Arts (Biblical Worldview)
- B. Fine Art – Year 2

Concentration – Performing Arts (3 Credits)

- 1. Honors Performing Art – Year 3
- 2. Advanced Performing Art – Year 4
- 3. Capstone – Internship, Independent Study, etc.

Concentration – Visual Arts (3 Credits)

- 1. Honors Visual Art – Year 3
- 2. AP Visual Art – Year 4
- 3. Capstone – Internship, Independent Study, etc.

Interdisciplinary (3 Credits)

- 1. 3rd Fine Art OR PSP School Core (Intro to Health Medicine, Principles of Applied Engineering, Intro to Psychology, Business Concepts, Foreign Language III)
- 2. 2 Elective Credits
- 3. Capstone not required - recommended

SCHOOL OF HUMANITIES

Professional Core – 2 credit classes required for every concentration

- A. Servant Leadership (Biblical Worldview)
- B. Foreign Language III or Intro to Psychology

Concentration – Ministry & Education (3 Credits)

- 1. 2nd Biblical Worldview Class: Christian Perspective on the Arts, Faith & Science
- 2. Intro to Psychology, Foreign Language III, Honors Christian Mind, Early Ed & Teaching, Professional Communications
- 3. Capstone – Internship, Independent Study, etc.

Concentration – Pre-Law (3 Credits)

- 1. Forensics
- 2. Intro to Law + 1 (Business Law, Honors Constitutional Law, Honors or PBACU Criminal Law)
- 3. Capstone – Internship, Independent Study, etc.

Interdisciplinary (3 Credits)

- 1. Professional Communications OR PSP School Core (Intro to Health Medicine, Principles of Applied Engineering, Business Concepts or 2nd Fine Art)
- 2. 2 Elective Credits
- 3. Capstone not required - recommended

PROFESSIONAL SCHOOLS PATHWAYS

SCHOOL OF MEDICINE

Professional Core – 2 credit classes required for every concentration

- A. Faith & Science (Biblical Worldview)
- B. 5th Math or Intro to Health Medicine (Interdisciplinary)

Concentration – Health Sciences (3 Credits)

- 1. Intro to Health Medicine
- 2. AP Biology OR AP Chemistry
- 3. Capstone – Internship, Independent Study, etc.
 - a. 4th Science must be Honors Anatomy
 - b. 5th Math must be Honors Statistics, Honors Pre-Calculus, or Calculus

Concentration – Pre-Med (3 Credits)

- 1. AP Biology
- 2. AP Chemistry
- 3. Capstone – Internship, Independent Study, etc.
 - a. 4th Science must be Honors Anatomy
 - b. 5th Math must be Honors Statistics or Calculus
 - c. *Recommended elective: Intro to Health Medicine*

Interdisciplinary (3 Credits)

- 1. 5th Math OR PSP School Core (Principles of Applied Engineering, Intro to Psychology, Business Concepts, Foreign Language III or 2nd Fine Art)
- 2. 2 Elective Credits
- 3. Capstone not required - recommended

MATHEMATICS

Eight Semesters (4 Credits) of Math are required for Graduation
Algebra I, Geometry, and Algebra II are required

ALGEBRA I (9TH)

Two Semester Course Credit: 1.0

Algebra 1 will provide a mathematical foundation that will be used in all higher-level math classes. This class develops algebraic skills and concepts to use in a wide variety of problem-solving situations. Students examine operations with real numbers, linear equations and inequalities, relations and functions, polynomials, exponents, and radicals.

GEOMETRY (9TH – 10TH)

Two Semester Course Credit: 1.0

Prerequisite: Algebra I

This course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. It includes the study of transformations, circles and right triangle trigonometry. Inductive and deductive thinking skills are used for problem solving and real-world applications. Theorems and postulates will be used to create geometric proofs. The study of perimeter, area, surface area and volume will also be included.

HONORS GEOMETRY (9TH – 10TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in Honors Algebra I or teacher recommendation

This course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. It includes the study of transformations, circles and right triangle trigonometry. Inductive and deductive thinking skills are used for problem solving and real-world applications. Theorems and postulates will be used to create formal geometric proofs. The study of perimeter, area, surface area and volume will also be included. Honors Geometry covers Law of Sines and Cosines and uses higher level algebra concepts throughout each geometric concept.

ALGEBRA II (10TH – 11TH)

Two Semester Course Credit: 1.0

Prerequisite: Algebra I & Geometry

Algebra II applies the foundations learned in Algebra 1 and Geometry by studying operations of all real and imaginary numbers. Students examine equations and functions including: linear, quadratic, power, logarithmic and exponential. It also covers complex radical and absolute value equations, direct or inverse variation, and matrices.

HONORS ALGEBRA II (10TH – 11TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in Algebra I AND Honors Geometry or teacher recommendation

Honors Algebra II applies the foundations learned in Algebra I and Geometry by studying operations of all real and imaginary numbers. Students examine equations and functions including: linear, quadratic, power, logarithmic and exponential. It also covers complex radical and absolute value equations, direct or inverse variation and matrices. Honors Algebra II uses a multi-representational approach to each topic by looking at functions and problems from a graphing, analytical, numerical and verbal perspective. The pace and depth of study will be greater for Honors than regular Algebra II.

Business Mathematics and Financial Literacy (11TH – 12TH)

Formerly Advanced Algebra with Financial Applications (Financial Algebra)

Two Semester Course Credit: 1.0

Prerequisite: Algebra II

This course takes the algebra skills that each student has gained and applies them to the personal financial uses that everyone faces throughout their lifetime. This is a course that applies mathematics to financial life skills. Topics to be covered are: banking services, employment, consumer credit, auto ownership, income taxes, the stock market, retirement and budget writing. The course uses many advanced algebra skills such as: radicals, quadratics, logarithms, linear functions, functional regressions, trigonometry, ratios, proportions, percents, systems of equations, probability, metric system and matrix mathematics. It is a course of advanced algebra applied to real world personal finance.

COLLEGE ALGEBRA (11TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: Algebra II

College Algebra continues the development of Algebra II skills and prepares the student for Pre-Calculus or College level mathematics. Topics will include Polynomial, Rational, Quadratic, Exponential and Logarithmic Functions, Sequences, Series and Probability. The course will focus on the applications of these functions.

JBU COLLEGE ALGEBRA – Dual Credit (11TH – 12TH) - MTH 1113

Two Semester Course 3.0 College Credits LCA Credit: 1.0

LCA Prerequisite: 90% average or higher in Honors Algebra II or teacher recommendation

JBU Prerequisite: Students must have a 3.0 GPA along with a 20 ACT composite and ACT Math score of at least 19 or SAT Math score of at least 480

Topics include solving equations and systems of equations, functions and graphing, complex numbers, inequalities, logarithms, exponentials, sequences, series, and the binomial theorem. This class can be taken for college credit with an ACT Math score of at least 19. Upon successful completion of the course the student will earn 3 college credit hours from John Brown University for MTH 1113: College Algebra.

HONORS PRE-CALCULUS (11TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in Honors Algebra II or teacher recommendation

Honors Pre-Calculus is designed for students who are juniors and are planning to take AP Calculus AB during their senior year or students desiring to take higher level math courses in college. The course includes an in-depth study of trigonometric, polynomial, rational, radical, conical and logarithmic functions. The course will also look at sequence, series and probability. It will include an introduction to Calculus by the study of limits.

HONORS STATISTICS (12TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher or concurrent enrollment in Financial Algebra, College Algebra*, and/or Honors Pre-Calculus or teacher recommendation

Honors Statistics is a course to give students an understanding of the concepts of statistics and tools to become critical readers of current issues involving quantitative data. Applications of the use of data from a wide variety of professions, public policy, and everyday life are made. The course focuses on methods of producing data, organizing data, and drawing conclusions from data. Topics include descriptive statistics, frequency distributions, correlation, regression, inference, and significance. This course will also include a brief introduction to accounting as an application of statistics. Technology including the use Excel spreadsheets will be included.

JBU SURVEY OF CALCULUS – Dual Credit (12TH) - MTH 1123

Two Semester Course 3.0 College Credits LCA Credit: 1.0

LCA Prerequisite: 90% average or higher in Honors Pre-Calculus or teacher recommendation

JBU Prerequisite: Students must have a 3.0 GPA along with a 20 ACT composite and ACT Math score of at least 24 or SAT Math score of at least 580

Survey of Calculus is an introduction to the concepts of differential and integral calculus. Students will learn both math theory and practical application. An emphasis is placed on applied problems in the areas of physical science, life science, social science and business. Upon successful completion of the course the student will earn 3 college credit hours from John Brown University for MTH 1123: Survey of Calculus.

AP CALCULUS AB (12TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in Honors Pre-Calculus or teacher recommendation

This course is for students who wish to earn up to four hours of college credit in Calculus by taking the AP exam offered in May. The course follows the guidelines of the College Board. Topics include limits, continuity, derivatives, integrals and their applications. Topics will be studied from a multi-representational approach to Calculus, with concepts, results and problems being expressed graphically, numerically, analytically and verbally. The policies of this course are implemented nationally through the College Board AP program. *College credit may be earned through the AP exam in May, which is a required component of this course.*

SCIENCE

Eight Semesters (4 Credits) of Science are required for Graduation
Biology, Chemistry, & Physics are required

BIOLOGY (9TH)

Two Semester Course Credit: 1.0

Biology provides students with a multitude of pathways to explore the fascinating world of life and understand its fundamental concepts and processes. With extensive laboratory experiences, students will have continuous exposure to the scientific method, while learning proper laboratory techniques and dissection procedures. The content of this course includes chemistry of life, cell biology, DNA technology, genetics, ecology, evolution/creation, microbiology, classification of organisms, plants, invertebrate /vertebrate zoology, and an overview of the human body systems. Throughout the course, students will be equipped to defend their faith in creation by developing a thorough understanding of the living creation and of the fallacies of evolutionary theory. Students will acquire both an understanding and appreciation of the marvelous study of life and the intricacies, processes, and systems of the world in which God has created. Students are expected to be active participants in discussions, investigations, and collaborative teamwork.

HONORS BIOLOGY (9TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in previous science course or teacher recommendation

Honors Biology provides students with a multitude of pathways to explore the fascinating world of life and understand its fundamental concepts and processes. With extensive laboratory experiences, students will have continuous exposure to the scientific method, while learning proper laboratory techniques and dissection procedures. The content of this course includes chemistry of life, cell biology, DNA technology, genetics, ecology, evolution/creation, microbiology, classification of organisms, plants, invertebrate /vertebrate zoology, and an overview of the human body systems. Throughout the course, students will be equipped to defend their faith of creation by developing a thorough understanding of the living creation and of the fallacies of evolutionary theory. This course will serve as a foundation for future biological courses including AP Biology and Human Anatomy and Physiology. The depth of coverage for these given topics will be extensive and require critically thinking and application. The Honors course assumes a high level of independence as well as academic ability.

CHEMISTRY (10TH)

Two Semester Course Credit: 1.0

Prerequisite: Biology

In Chemistry, students will apply the scientific method as they are introduced to the fundamental chemical nature of all reality. The course will demonstrate that the extremely complex nature of matter is the result of special creative design rather than cosmic chance. Students will explore chemistry as it is applied in everyday life scenarios. Students will develop skills pertaining to design, implementation, and communication of scientific investigation. This course will help create in students a desire to understand the very fundamental composition of all things. Most of all students will develop a sense of personal worth before a compassionate and infinite creator.

HONORS CHEMISTRY (10TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in Honors Biology or teacher recommendation

In Honors Chemistry students will apply the scientific method as they are introduced to the fundamental chemical nature of all reality. The course will demonstrate that the extremely complex nature of matter is the result of special creative design rather than cosmic chance. Students will develop skills pertaining to design, implementation, and communication of scientific investigation. Honors chemistry is the student's first substantial exposure to math-integrated science. Intensive word problems demand application of previously taught math principles. This course will help create in students a desire to understand the very fundamental composition of all things. Most of all students will develop a sense of personal worth before a compassionate and infinite creator. Honors students are challenged to demonstrate application, synthesis, and evaluation in preparation for advanced studies in science.

FAITH & SCIENCE: SCIENTIFIC INVESTIGATIONS (10TH – 12TH)

Required Two Semester Course for School of Medicine and School of Engineering and Technology Credit: 1.0

A course designed to assist students in developing an integrated view of faith and science. Topics are selected from fundamentals of the Christian faith, history of science, nature of science, discovering God in the physical universe, creation of life, evolution of life, science in philosophy and theology, science and culture, and images of man.

PHYSICS (11TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: Chemistry and Geometry and concurrent enrollment in Algebra II or higher

Physics examines the science of matter and energy and their relationship. Topics include principles of sound and light, electricity, magnetism, gravitation, and general mechanics of motion. This course is lab intensive and designed to provide the student with extensive “hands-on” opportunities to do and experience physics. Students are encouraged to seek to understand both the precision and the principles of design that are found throughout God’s creation.

HONORS PHYSICS (11TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in Honors Algebra II and concurrent enrollment in Honors Pre-Calculus or teacher recommendation

Honors Physics examines the science of matter and energy and their relationship. Topics include principles of sound and light, electricity, magnetism, gravitation, and general mechanics of motion. While this course is lab intensive, Honors physics is designed to provide a more rigorous mathematical development of physics principles than the regular physics class. Students will be challenged to fully understand the conceptual laws introduced in the course and apply that understanding in problem solving and analysis. Students are encouraged to seek to understand both the precision and the principles of design that are found throughout God’s creation.

AP PHYSICS (11TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in previous Honors science class and a 90% average or higher or concurrent enrollment in Honors Pre-Calculus or teacher recommendation.

AP Physics is equivalent to a first-semester college physics course. Use of a college textbook, challenging labs, and a rapid progression through the curriculum optimally prepares the student for the AP Physics Exam in May. Lab activities, an essential portion of the course, demand teamwork, problem-solving skills and well-developed lab reports. Facility in working complex word problems requires extensive homework and rigorous, time-sensitive testing. AP Physics is a mathematically intensive course that provides a foundation in mechanics, energy, waves, and electricity. *College credit may be earned through the AP exam in May, which is a required component of this course.*

HONORS ANATOMY & PHYSIOLOGY (11TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in Honors Biology AND Honors Chemistry or teacher recommendation

Essential principles of human anatomy and physiology are presented, including basic chemistry, mechanisms for maintaining homeostasis, cell and tissue studies, and an overview of all the body systems. The course is designed for those students wanting a depth of understanding in the structure and function of the miraculous human body. Collaborative teamwork, presentations, and laboratory studies are an integral part of the course. All students are required to complete assigned class work and homework, to be prepared for labs and to participate in class discussions and activities. Highlights of the course include: The planning, coordinating and implementation of an elementary health fair as well as First Aid and CPR certification.

AP BIOLOGY (11TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in Honors Biology AND Honors Chemistry or teacher recommendation

AP Biology is designed to be on the same level of a college introductory biology class. It will include lab work, field work, and several research projects. Since the nature of the course is college prep, the tests and assignments will be more demanding than a normal high school course. Extra time and effort will be expected if the student is to do well. We will cover the primary illustrated unifying themes of biology as laid out by the College Board which they refer to as the ‘Big Ideas’. The students will be taught careful lab techniques, and how to investigate them and think critically about the topic at hand. The policies of this course are implemented nationally through the College Board AP program. All students are required to take the AP exam in May. All science courses at Legacy Christian Academy are designed to enrich the student’s understanding and appreciation of the glorious universe that God has created. This allows our students to use that understanding of how it all works together to further His kingdom and express His glory through their own lives. AP Biology allows our students to dive deeper into the knowledge of this wonderful creation and to ask relevant questions that spark imagination and creativity in their ability to share Biblically based information about this world and our purpose in it. *College credit may be earned through the AP exam in May, which is a required component of this course.*

AP CHEMISTRY (11TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in Honors Chemistry or teacher recommendation

The AP Chemistry course provides students with a foundation to support future advanced coursework in chemistry. Through inquiry-based learning, students develop critical thinking and reasoning skills. Students cultivate their understanding of chemistry and science practices as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. The key concepts and related content that define the AP Chemistry course and exam are organized around underlying principles called the Big Ideas. They encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the particulate nature of matter underlying the observations students make about the physical world. All science courses at Legacy Christian Academy are designed to enrich the student's understanding and appreciation of the glorious universe that God has created. This allows our students to use that understanding of how it all works together to further His kingdom and express His glory through their own lives. AP Chemistry allows our students to dive deeper into the knowledge of this wonderful creation and to ask relevant questions that spark imagination and creativity in their ability to share Biblically based information about this world and our purpose in it. *College credit may be earned through the AP exam in May, which is a required component of this course.*

HONORS ENGINEERING (11TH & 12TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher or concurrent enrollment in Honors or AP Physics and Honors Pre-Calculus or teacher recommendation from both math & science teachers

Honors Engineering introduces students to: aeronautical and astronautical engineering, architectural and structural engineering, electrical, mechanical, and power engineering. Major projects include model rocket design and flight, designing and building a model skyscraper with a working elevator, and designing a model power plant. Students are required to use CAD software as part of the design process for each project. Students will learn and apply the engineering process of research, design (w/CAD and 3D analysis), prototype production, and building the final project. Students will also be required to give a presentation concerning aeronautical engineering and an oral presentation with their power plant project. Students will develop a sense of what engineers do and how engineers benefit our society through the lens of a Christian perspective.

FORENSICS (11TH & 12TH)

Two Semester Course Credit 1.0

Prerequisite: Biology and Chemistry

This year-long course is designed to create an awareness of the branch of health science relating to medical and criminal forensics. This course focuses on introductory skills and assessment in order to develop the ability to identify, analyze, and process logically using deductive reasoning and problem solving. Medical forensics involves many aspects of health science instruction and applies the knowledge and technology of chemistry, biology, and physics.

ENGLISH

Eight Semesters (4 Credits) of English are required for Graduation

ENGLISH I (9TH)

Two Semester Course Credit: 1.0

English I provides a foundation of literary study that will engage students in narrative discussion preparing them for college and beyond. Students will read a variety of genres from various time periods including *The Odyssey* (Homer), *Romeo and Juliet* (Shakespeare), *The House on Mango Street* (Cisneros), and *Lord of the Flies* (Golding). In addition students will read a selection of short stories, nonfiction pieces, and poetry. A variety of writing assignments, presentations, and vocabulary study will also be studied.

HONORS ENGLISH I (9TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in eighth grade English course or teacher recommendation

Honors English I provides a foundation of literary study that will engage students in narrative discussion preparing them for college and beyond. Students will read a variety of genres from various time periods including *The Odyssey* (Homer), *Julius Caesar* (Shakespeare), *Romeo and Juliet* (Shakespeare), *The House on Mango Street* (Cisneros) and *Lord of the Flies* (Golding). In addition, students will read a selection of short stories, nonfiction pieces, and poetry. A variety of writing assignments, presentations, and vocabulary study will also be studied. Honors students will read additional selections, taking a more in-depth and analytical approach to rhetorical analysis while writing under more demanding standards.

ENGLISH II (10TH)

Two Semester Course Credit: 1.0

Prerequisite: English I

English II introduces and connects students with the great works that have shaped the literature of Western civilization, including *Fahrenheit 451* (Bradbury), *Anthem* (Rand), *A Doll's House* (Ibsen), *Cry, the Beloved Country* (Paton), and *Their Eyes Were Watching God* (Hurston), as well as various short stories and poetry pieces. Students will continue to write to improve diction, organization, focus, and deeper critical thinking. Students will write a research paper and as well as literary analyses, descriptive, comparative, and creative pieces.

HONORS ENGLISH II (10TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in Honors English I or teacher recommendation

English II Honors introduces and connects students with the great works that have shaped the literature of Western civilization, including *Paradise Lost* (Milton), *Doll's House* (Ibsen), *Pride and Prejudice* (Austen), *Cry, the Beloved Country* (Paton), *Their Eyes Were Watching God* (Hurston), various short stories, and poetry. Students will write a research paper and as well as literary analyses, descriptive, comparative, and creative pieces. Honors students will take a more in-depth approach to literary analysis and literary artistry through various types of literature and improve their ability to communicate their analysis through writing and speaking with focus on strong organization, elevated diction, and deeper critical thinking.

ENGLISH III (11TH)

Two Semester Course Credit: 1.0

Prerequisite: English II

In English III, students read extensively from American Literature, including *The Scarlet Letter* (Hawthorne), *Incidents in the Life of a Slave Girl* (Jacobs), an excerpt from *Narrative of the Life of Frederick Douglass* (Douglass), *Huckleberry Finn* (Twain), *The Old Man and The Sea* (Hemingway), *The Great Gatsby* (Fitzgerald), and *The Crucible* (Miller). Reading also includes nonfiction texts, essays, historical documents, poetry, and short stories. A variety of writing assignments, presentations, and intensive vocabulary study will also be included in this class.

DUAL CREDIT JBU ENGLISH 1013: Composition (11TH – 12TH)**Two Semester Course Credit: 1.0 3 College Credit Hours****LCA Prerequisite: 90% average or higher in Honors English II or teacher recommendation****JBU Prerequisite: Unweighted GPA of 3.0, ACT of 20 composite and 20 in English**

This course prepares students for college research and academic writing. The readings and research span a variety of social issues and expose students to a variety of techniques commonly employed in academic writing. Students practice researching, understanding and forming opinions on social issues and they interact with multiple perspectives from diverse voices. College-level research is required. Students will produce approximately eight essays of varying lengths during the year, culminating in the final argument paper of 5-7 pages in length. Students will also be reading seminal American Literature texts.

ENGLISH IV (12TH)**Two Semester Course Credit: 1.0****Prerequisite: English III or JBU English 1013**

The goal of English IV is to prepare and encourage students to read and write fluently at the collegiate level and beyond. Students will read quality literature, such as *Hamlet* (Shakespeare), *Frankenstein* (Mary Shelley), *12 Angry Men* (Rose), *Dr. Jekyll and Mr. Hyde* (Stevenson), *Death of a Salesman* (Miller) and *1984* (Orwell). Critical reading will also include nonfiction texts, poetry, and short stories. Language study will consist of ongoing vocabulary development with an emphasis on constructing sound meaningful sentences, and reflective commentary. Four major essays will be written covering all writing modes (expository, narrative, persuasive, and descriptive). Students will write several creative pieces and in-class essays. Listening and speaking skills will be sharpened as students will be expected to participate in unit seminars.

DUAL CREDIT JBU ENGLISH 1023: Literary Analysis and Research (12TH)**Two Semester Course Credit: 1.0 3 College Credit Hours****LCA Prerequisite: 90% average or higher in Dual Credit JBU English 1013 or teacher recommendation****JBU Prerequisite: Completion of Dual Credit JBU 1013 and unweighted GPA of 3.0, ACT of 20 composite and 20 in English**

Reading and discussing good literature can be one of the most rewarding and enriching ways to contemplate questions of the human heart. Thinking critically and persuasive writing skills are honed via the study and analysis of literature. Students will explore drama, novels, poetry, and short fiction. Major works include *Macbeth*, *Hamlet*, *Wuthering Heights*, *Heart of Darkness*, and *Brave New World*. Shorter works include poems and short stories by both contemporary and classical writers and poets. Appreciating diverse voices from around the world and from various historical periods help students understand the universality of good literature. A majority of the grade is based on four literary analysis papers, one for each genre.

HISTORY

Six Semesters (3 Credits) of History are required for Graduation
Modern World History, US History, and Government & Economics are required

MODERN WORLD HISTORY & THEOLOGY (10TH)

Required Two Semester Course Credit: 1.0

Prerequisite: Ancient Biblical World History & Theology

Building upon the content of the freshman course *Ancient Biblical World History and Theology*, *Modern World History & Theology* will trace major developments that shaped Western Civilization from the Roman Empire in 27 B.C. to the present. While secular history increasingly diminishes the central importance of Christianity in Western Civilization, students in this course will be reminded that God's central purpose in history is the "summing up of all things in Christ Jesus" and "that the manifold wisdom of God might now be made known through the church" (Eph. 1:10, 3:10). With this purpose in mind, students will be challenged to engage and integrate the disciplines of history, philosophy, and theology as they consider how Western Civilization was shaped by events in Christianity and how events in Western Civilization shaped the direction of Christianity as well.

HONORS MODERN WORLD HISTORY & THEOLOGY (10TH)

Required Two Semester Course Credit: 1.0

Prerequisites: 90% average or higher in Honors Ancient Biblical World History & Theology or teacher recommendation.

Building upon the content of the freshman course *Ancient Biblical World History and Theology*, *Honors Modern World History & Theology* will trace major developments that shaped Western Civilization from the Roman Empire in 100 A.D. to the present. While secular history increasingly diminishes the central importance of Christianity in Western Civilization, students in this course will be reminded that God's central purpose in history is the "summing up of all things in Christ Jesus" and "that the manifold wisdom of God might now be made known through the church" (Eph. 1:10, 3:10). With this purpose in mind, students will be challenged to engage and integrate the disciplines of history, philosophy, and theology as they consider how Western Civilization was shaped by events in Christianity and how events in Western Civilization shaped the direction of Christianity as well. Honors students will read additional selections, taking a more in-depth and analytical approach to rhetorical analysis while writing under more demanding standards.

UNITED STATES HISTORY (11TH)

Two Semester Course Credit: 1.0

This class is a survey of American political, social, and economic history from the "discovery" of the Americas through the present day. Students will use primary and secondary sources to analyze and discuss history and not simply commit chronological dates and/or names to memory. Students will also learn how God was, and is, an integral part of the founding and continued success of our nation.

DUAL CREDIT JOHN BROWN UNIVERSITY US HISTORY (11TH - 12TH)

Two Semester Course 6.0 College Credits LCA Credit: 1.0

This course consists of two semester long JBU courses (outlined below). Enrollment in both courses is required.

LCA Prerequisites: 90% average or higher in Honors Modern World History & Theology AND Honors English II or a teacher recommendation from both teachers

JBU Prerequisites: ACT Composite Score of 20 with 3.25 GPA for rising juniors or 3.0 GPA for rising seniors

****Students who meet the LCA Prerequisites, but do not meet the JBU requirements may audit the course for Legacy credit only. Same rigor and academic standards apply.***

US HISTORY TO 1865 – HST 2113

Fall Semester Course 3.0 College Credits

US History is a survey of American political, social, and economic history from the colonial era through the Civil War. The course focuses on the following key themes: contact and conquest, colonialism, slavery and race, the meaning of the American revolution, challenges and opportunities in the new nation, and sectional crisis and Civil War. In addition, the course explores how early Americans thought about such questions as the relationship between the individual and society, the meaning of equality, and the relationship of rights and responsibilities. Students will learn the skills of critical thought in the context of historical inquiry.

US HISTORY POST 1865 – HST 2123

Spring Semester Course 3.0 College Credits

This class is a survey of American political, social, and economic history from Reconstruction through the present day. Students will learn the skills of critical thought in the context of historical inquiry through examination and analysis of primary historical texts and an extensive research paper project. Upon successful completion of the course, students will earn JBU course credit.

GOVERNMENT & ECONOMICS (12TH)

Two Semester Course Credit: 1.0

Government and Economics are classes designed to acquaint students with the origins, development, structure, function and policies that shape the political and economic systems of the United States. Topics include the constitutional framework; federalism; the function of the legislative, judicial and executive branches, individual rights and liberties, political parties, political and economic policies (local, State and Federal), a comparison of political and economic systems, and concepts related to microeconomics and macroeconomics. Furthermore, these topics will be discussed within a Biblical framework.

DUAL CREDIT LETOURNEAU UNIVERSITY US GOVERNMENT & ECONOMICS (11TH – 12TH)

Two Semester Course 6.0 College Credits LCA Credit 1.0 Format: Online with College Professor

This course consists of two semester long LETU courses (outlined below). Enrollment in both courses is required.

LCA Prerequisites: Previous history teacher recommendation required.

LETU Prerequisites: Students must have a minimal 3.0 GPA (unweighted on a 4.0 scale) to qualify for this course.

****It is not possible to audit this course***

US GOVERNMENT - POLS 2503

Fall Semester Course 3.0 College Credits

The constitution and structure of the United States government will be emphasized. In addition, forces that impact the federal government's operation will also be evaluated including the role of the media, the economy, and its global relations. This class will be taught by a LETU professor in an online format.

MACROECONOMICS – ECON 2103

Spring Semester Course 3.0 College Credits

An introduction to the nature and theory of macroeconomics. The course includes the introduction of supply and demand, examination of national income accounting, the role of government to include fiscal and monetary policy, the American banking system, and international trade. This class will be taught by a LETU professor in an online format.

WORLD LANGUAGES

Four Semesters (2 Credits) in sequence of WORLD Languages are required for Graduation

LATIN I (9TH)

Two Semester Course Credit: 1.0

This course will introduce students to the Latin Language and the Romans who used it, as well as provide a better understanding of our own language and social system through examining vocabulary, characters and situations in the context of reading passages. Through these passages, students will come to understand phonetic pronunciation, and gain confidence in reading aloud. Through examining Latin sentences, students will utilize Latin grammar to attain mastery of English grammar and syntax. Finally, students will begin to use literary source material to make deductions and inferences regarding both individual characters as well as larger social structures. They will compare ancient Roman culture to modern American society, engaging both with a dialogue of the Gospel.

LATIN II (9TH – 10TH)

Two Semester Course Credit: 1.0

Prerequisite: Latin I

Latin II finishes the Cambridge Unit 2 book and begins Unit 3. Latin II continues its emphasis on vocabulary and English derivation, places a greater emphasis on accurate oral pronunciation, and introduces more nuanced grammatical features and complex sentence structures.

HONORS LATIN II (9TH – 10TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in Latin I or teacher recommendation

Latin II finishes the Cambridge Unit 2 book and begins Unit 3. Latin II continues its emphasis on vocabulary and English derivation, places a greater emphasis on accurate oral pronunciation, and introduces more nuanced grammatical features and complex sentence structures. Students will produce translations of larger segments of Latin text and will engage in more textual analysis.

HONORS LATIN III (10TH – 11TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in Honors Latin II or teacher recommendation

Latin III finishes the Cambridge Unit 3 book and begins Unit 4. Latin III continues its emphasis on vocabulary and English derivation, places a greater emphasis on accurate oral pronunciation, and introduces more nuanced grammatical features and complex sentence structures. Students will encounter grammatical constructions which are more idiomatic to the Latin language as well as sentences which show more nuanced relationships between ideas and clauses. Students will produce translations of larger segments of Latin text and will engage in more textual analysis.

AP LATIN LITERATURE (11TH - 12TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in Honors Latin III or teacher recommendation

AP Latin is designed to provide advanced high school students with a rich and rigorous Latin course, approximately equivalent to an upper-intermediate college Latin course. Students who successfully complete the course are able to read, understand, translate, and analyze Latin poetry and prose. Despite many similarities, Latin poetry and prose have broadly different features and patterns; thus, the syllabus of required readings includes poetry and prose to ensure students will be confident in handling both. *College credit may be earned through the AP exam in May, which is a required component of this course.*

SPANISH I (9TH – 12TH)

Two Semester Course Credit: 1.0

Spanish I will introduce to students the basic foundational language skills required to learn Spanish. In addition, the study of cultures of various Spanish speaking countries will create a greater appreciation for the language. Daily practical usage of the language will strengthen these newly acquired skills and enrich daily and spiritual life. It will be highly emphasized to practice using what has been taught from previous chapters in order to develop fluency of the language. Spanish I begins the compilation and application of oral, reading, and writing skills. It also focuses on comprehension, analysis, inference gathering, utilization of reference aid, and vocabulary. New vocabulary will be introduced at the beginning of every chapter and will be utilized in all aspects of the language. Cultures of various speaking countries will be touched upon. Writing proficiency will be applied through the practice of short sentences, short answer questions, and mini paragraphs. Themes will include friendships, school, food, hobbies, and home.

SPANISH II (9TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: Spanish I

The goal of Spanish II is to build upon the previous knowledge from Spanish 1 and further expand the student's knowledge of reading, writing, and oral proficiency. Students will be able to communicate by listening, writing, and speaking at a moderate level by the end of the school year. They may not understand and be able to respond with total fluency, but they will have developed moderate conversational skills, a higher level of grammar, and better listening comprehension skills. Students will develop their knowledge of the Spanish language including listening, reading, writing, speaking, and a sense of Hispanic history, culture, and way of life. Through this knowledge they will learn to socialize, acquire and provide information, express feelings and opinions, and connect with other subject areas they are learning about in school, life, and in our Christian faith. Aspects of Spanish culture are introduced through the use of media, games, and adapted readings and in small or large group discussions. In addition to written and oral tests and quizzes, students are assessed using a variety of formats: oral dialogues, presentations, written compositions and other means. Homework assignments are an integral part of this course as they not only reinforce concepts and skills that are introduced in class, but also enable students to participate in class discussions.

HONORS SPANISH II (9TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in Spanish I or teacher recommendation

The goal of Honors Spanish II is to build upon the previous knowledge from Spanish I and further expand the student's knowledge of reading, writing, and oral proficiency. The class will be conducted 40/60 Spanish to English. Students will be able to communicate by listening, writing, and speaking at a moderate level by the end of the school year. They may not understand and be able to respond with total fluency, but they will have developed moderate conversational skills, a higher level of grammar, and better listening comprehension skills. Honors Spanish II will work at a faster pace and cover additional information to further their knowledge. Oral participation will be expected at all times. Students will develop their knowledge of the Spanish language including listening, reading, writing, speaking, and a sense of Hispanic history, culture, and way of life. Through this knowledge they will learn to socialize, acquire and provide information, express feelings and opinions, and connect with other subject areas they are learning about in school, life, and in our Christian faith. Aspects of Spanish culture are introduced through the use of media, games, and adapted readings and in small or large group discussions. In addition to written and oral tests and quizzes, students are assessed using a variety of formats: oral dialogues, presentations, written compositions and other means. Homework assignments are an integral part of this course as they not only reinforce concepts and skills that are introduced in class, but also enable students to participate in class discussions.

HONORS SPANISH III (10TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in Honors Spanish II or teacher recommendation

Honors Spanish III students continue to develop their communication skills by using their knowledge of the Spanish language including listening, reading, writing and speaking as well as knowledge of various Hispanic cultures. In Honors Spanish III, students begin to master the use of several Spanish tenses as well as advanced grammar concepts. Students begin to read and listen to more authentic selections and write and speak about them in preparation for the advanced Spanish curriculum. Students are expected to participate to the best of their ability, by speaking in Spanish during class activities and interaction with the teacher. The class will be conducted 60/40 Spanish to English.

DUAL CREDIT LETOURNEAU UNIVERSITY ELEMENTARY SPANISH I & II (11TH – 12TH)

Two Semester Course 6.0 College Credits LCA Credit 1.0 Format: Online with College Professor

This course consists of two semester long LETU courses (outlined below). Enrollment in both courses is required.

LCA Prerequisites: 90% average or higher in Honors Spanish III or teacher recommendation

LETU Prerequisites: Students must have a minimal 3.0 GPA (unweighted on a 4.0 scale) to qualify for this course.

****It is not possible to audit this course***

ELEMENTARY SPANISH I – SPAN 1113

Fall Semester Course 3.0 College Credits

A basic beginning semester course for students with no previous study of Spanish. Emphasis on speaking, writing, reading, and listening, as the basis for the development of all three Communication Modes (Interpersonal, Interpretive, and Presentational). Hispanic cultures will be introduced through a variety of texts, including readings, music, art, and film.

ELEMENTARY SPANISH II – SPAN 1123

Spring Semester Course 3.0 College Credits

For students with the equivalent of one semester of previous college-level study of Spanish. The emphasis is on strengthening students' interpersonal, interpretive, and presentational skills in both oral and written Spanish. Hispanic cultures are presented through a variety of authentic texts, including short pieces of literature, essays, and newspaper articles. Music, art, and film are also included.

After Elementary Spanish I (SPAN 1113) and II (SPAN 1123), students should be able to engage in everyday conversations with native speakers, and read straightforward texts, both fiction and nonfiction, with relative ease.

BIBLE: THEOLOGY & BIBLICAL WORLDVIEW

**Two Semesters (1 Credit) of Bible for each year a student is attending Legacy is required for graduation
Ancient Biblical World History & Theology, Worldviews, and Apologetics are required**

ANCIENT BIBLICAL WORLD HISTORY & THEOLOGY (9TH)

Two Semester Course Credit: 1.0

The ideas and events of the ancient world form the foundation of Western Civilization that we have inherited. Taking the chronology and text of the Bible as a foundation and the primary historical resource, students will encounter the events that shaped the ancient world through the unfailing reliability of Scripture. The chronology and content of the Bible will provide the backbone of the course, and will be amply supplemented by primary source readings from the ancient civilizations represented. Topics will include the Ancient Near East, Egypt, Phoenicia, Assyria, Babylon, Persia, Greece, and Rome, with particular attention given to their interaction with the biblical narrative, and a practical understanding of their relevant geographies, contributions, and interactions with the story of civilization. Students will be challenged to engage and integrate the disciplines of history, philosophy, and theology as they read significant portions of the Bible, both Old and New Testament, and formulate a coherent understanding of the ancient world that is still relevant today.

HONORS ANCIENT BIBLICAL WORLD HISTORY & THEOLOGY (9TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in Honors eighth grade History course or teacher recommendation

The ideas and events of the ancient world form the foundation of Western Civilization that we have inherited. Taking the chronology and text of the Bible as a foundation and the primary historical resource, students will encounter the events that shaped the ancient world through the unfailing reliability of Scripture. The chronology and content of the Bible will provide the backbone of the course, and will be amply supplemented by primary source readings from the ancient civilizations represented. Topics will include the Ancient Near East, Egypt, Phoenicia, Assyria, Babylon, Persia, Greece, and Rome, with particular attention given to their interaction with the biblical narrative, and a practical understanding of their relevant geographies, contributions, and interactions with the story of civilization. Students will be challenged to engage and integrate the disciplines of history, philosophy, and theology as they read significant portions of the Bible, both Old and New Testament, and formulate a coherent understanding of the ancient world that is still relevant today. Honors students will read additional selections, taking a more in-depth and analytical approach to rhetorical analysis while writing under more demanding standards.

WORLDVIEWS (10TH)

Two Semester Course Credit: 1.0

Prerequisite: Ancient Biblical World History & Theology

This class is a survey of philosophy and a formal study of worldviews. The Christian theistic worldview will be used to examine naturalism, nihilism, existentialism, the new age movement and postmodernism. It is the goal of the class to see students hold to the Christian theistic worldview intellectually and live it in their lives day to day. This course will teach students how to think Christianly as well as address their doubts and analyze their presuppositions in order to deepen their faith and convictions. Students will understand the basic flow of western philosophy from pre-Socratic times to present day. Students will also investigate competing worldviews, their logical inconsistencies and dangerous outcomes and understand and defend the Christian worldview against competing worldviews.

HONORS WORLDVIEWS (10TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in Honors Ancient Biblical World History or teacher recommendation

This class is an advanced survey of philosophy and a formal study of worldviews. The Christian theistic worldview will be used to examine naturalism, nihilism, existentialism, the new age movement and postmodernism. It is the goal of the class to see students hold to the Christian theistic worldview intellectually and live it in their lives day to day. This course will teach students how to think Christianly as well as address their doubts and analyze their presuppositions in order to deepen their faith and convictions. Students will understand the basic flow of western philosophy from pre-Socratic times to present day. Students will also investigate competing worldviews, their logical inconsistencies and dangerous outcomes and understand and defend the Christian worldview against competing worldviews. The class centers on the reading of primary sources, intensive writing, and Socratic discussion.

APOLOGETICS (11TH)

Two Semester Course Credit: 1.0

Prerequisite: Worldviews

This course systematically examines a rational defense of the basic elements of the Christian faith, including the existence of God, the reliability of the Bible, the deity of Christ, and the historicity of the resurrection. Students will obtain a knowledge of the basics of apologetics and understand how to give a rational defense of the Christian faith. They will be equipped to always be prepared to give a reason for the hope we have in Christ to all who may ask and to demolish the vain arguments and every pretension that sets itself up against Christianity. In addition, students will develop a love for God through Jesus Christ as His hand is seen at work in history.

HONORS APOLOGETICS (11TH)

Two Semester Course Credit: 1.0

Prerequisite: Application & interview required

This course systematically examines a rational defense of the basic elements of the Christian faith, including the existence of God, the reliability of the Bible, the deity of Christ, and the historicity of the resurrection. Students will obtain a knowledge of the basics of apologetics and understand how to give a rational defense of the Christian faith. The Honors class will engage with more scholarly works while learning in a more Socratic style. Emphasis will be placed on the Historicity of Scripture as a foundation for debates and criticisms. Debates will be critiqued and evaluated based upon soundness of both logic and argument.

HONORS CHRISTIAN MIND (12TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in Honors Apologetics or teacher recommendation

The Christian Mind course will analyze what it means to Love the Lord with all one's mind and what does intellectual life as a Christian calling look like. The key verses for this course are Matthew 22:37 and Romans 12:1-2. Students will discover "Why the Mind Matters in Christianity" and the mind's role in spiritual transformation. What are the characteristics of a mature Christian mind and how does one take every thought captive to Christ. What does it mean to be a Christian intellectual and what intellectual disciplines and virtues are important for renewing one's mind? Classic texts on the subject will be read, such as, *Habits of the Mind* by James W. Sire, *Love Your God with all Your Mind* by J.P. Moreland, and *The Christian Mind* by Harry Blamires.

FAITH & SCIENCE: SCIENTIFIC INVESTIGATIONS (10TH – 12TH)

Required Two Semester Biblical Worldview Course for School of Medicine and School of Engineering and Technology Credit: 1.0

A course designed to assist students in developing an integrated view of faith and science. Topics are selected from fundamentals of the Christian faith, history of science, nature of science, discovering God in the physical universe, creation of life, evolution of life, science in philosophy and theology, science and culture, and images of man.

CHRISTIAN PERSPECTIVE ON THE ARTS (10TH – 12TH)

Required Two Semester Biblical Worldview Course for School of Fine Arts Credit: 1.0

This course introduces students to art from various time periods and challenges them to evaluate the worldviews they encounter from a Biblical Worldview. Students will be able to name the six basic time periods and describe the artwork they produced, critique and analyze the technical excellence of works of art, show an understanding of the basic worldview found in the art of each period studied, approach art with humility and demonstrate respect for artistic ability, and think critically about particular worldviews and be capable of correcting them to line up with a Christian worldview. Key texts for this class include: *How Should We Then Live?* by Francis Schaeffer, *Art and the Bible* by Francis Schaeffer, and *Imagine* by Steve Turner.

SERVANT LEADERSHIP (10TH – 12TH)

Required Two Semester Biblical Worldview Course for School of Business and Humanities Credit: 1.0

Servant Leadership will introduce students to a unique style of leadership that is modeled on the approach of Jesus who said He came to serve, not to be served. This upside-down leadership style puts the needs of followers above the needs of the leader; promotes teamwork, individual dignity and worth; and results in a synergy of purpose unachievable with the old leadership models. This course introduces the principles and practice of servant leadership. What is a servant leader? Why would we choose to be servant leaders? How does a servant leader function in the life of the church, within their vocation, and in the world to which Christ sends us? This course will provide students with a solid foundation of the theory and practice of leadership while contrasting traditional and more modern theories with Jesus' style of servant leadership and its most effective application today.

FINE ARTS

Two Semesters (1 Credit) of Fine Arts is required for Graduation

VISUAL ARTS

ART I (9TH)

Two Semester Course Credit: 1.0

Art I students will develop skills producing various 2-D work while becoming familiar with terminology and foundational techniques typically used in studio work. Emphasis will be placed on developing observational skills, drawing & painting skills, learning historical trends, and practicing artistic integrity. Students will also continue to cultivate a biblical worldview in the art they produce and in the art they critique.

ART II (10TH)

Two Semester Course Credit: 1.0

Prerequisite: Art I or teacher recommendation

Art II continues development of foundational skills in the process of art making and builds upon the basic skills developed in Art I. Emphasis will be placed on applying design and drawing skills to additional 2-D mediums such as printmaking and photography. A few basic 3-D design mediums will be introduced. Students will further develop critical thinking skills and problem-solving techniques, applying them to the art making process. Creative expression, artistic integrity and biblical worldview components will continue to be explored.

HONORS ART III: DRAWING, 2D DESIGN, AND 3D DESIGN (11TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in Art II or teacher recommendation (requires a portfolio review)

Honors students will achieve proficiency levels in a variety of skills and techniques, and will continue the development of skills learned in Art I and II. Students are encouraged to explore advanced ideas and originality in the artwork produced. At this level students will be expected to use critical thinking skills effectively and independently in analyzing art work. Artistic integrity will be expected of all students. Students will develop the breadth portion of the AP portfolio.

AP STUDIO ART IV: DRAWING, 2D DESIGN, AND 3D DESIGN (12TH)

Two Semester Course Credit: 1.0

Prerequisite: 90% average or higher in Honors Art III or teacher recommendation (requires a portfolio review)

AP Studio Art provides rigorous artistic challenges on par with a college level studio art course. This class is designed for the dedicated art student who is capable of high-level creative independence and expression both inside and outside of class. Students will continue to work on an advanced portfolio to be reviewed by the College Board comprised of three sections: breadth (demonstration of a serious ground in visual principles and techniques, as begun in Honors Art), concentration (the development a conceptual thesis which demonstrates an in-depth process of visual discovery and growth), and quality (art pieces that exhibit a synthesis of form, technique and content). Artistic integrity is an AP requirement.

DIGITAL DESIGN I (9TH – 12TH)

Two Semester Course Credit: 1.0

Dive into the world of digital art, photo manipulation and content creation with the use of Adobe Creative Suite! The goal of this course is to help students discover, develop and enjoy their God-given talents as they learn the elements and principles of design through digital art creation. Students will begin the course with a study of basic studio art techniques and learn how to translate those techniques into the digital medium. Throughout the course, students are encouraged to use their visual problem-solving skills to express themselves through digital means. The curriculum will be infused with verbal and written critique of student work, which will help teach the importance of assigning aesthetic valuing and criticism to their work. Students will also be encouraged to explore and find an appreciation for the digital arts and creating art while worshipping the Lord through their digital creations.

DIGITAL DESIGN II (10TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: Completion of Digital Design I or teacher recommendation

With the world turning towards technology as a creative outlet, no time is better than now to join the digital art community by experiencing real-world situations Graphic Designers, Web Developers, and other Graphic Artists encounter. By using Adobe Creative Cloud Suite, students will be encouraged to use critical thinking skills to express themselves through digital means with the use of skills learned in Digital Design I. This course will offer a variety of ways for students to explore the creative process and create aesthetically pleasing artworks infused with the elements and principles of art. Through the use of creative designing, critiquing, and self-reflection, students in Digital Design II will have an opportunity to enter the world of design with a broadened, more open-mind about digital art and how to handle professional, real-world encounters.

PERFORMING ARTS

BAND (9TH – 12TH)

Two Semester Course Credit: 1.0

The LCA Band includes several components: Marching Band, Concert Band, Jazz Band, Percussion Ensemble, and Color Guard. Members perform throughout the year in a variety of settings, including Football games, marching competitions, parades, indoor stage concerts, and concert and sight-reading evaluations and festivals. In addition, the Color Guard perform and compete as separate entity during the late Fall and Winter. The Screamin' Eagle Band offers its members countless opportunities to grow musically as well as personally, using their talents. Through developing strong work habits and learning to work together as a team, Band members develop life-long skills that will serve them in whatever future pursuits they choose. Our goal is for *all* of our students to develop a lasting affinity for music, and become positive role-models and citizens.

HONORS BAND (11TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: 2 years of US Band AND director recommendation

In addition to the normal band coursework, honors students will audition for TPSMEA All Region and All State bands, participate in TPSMEA solo & ensemble events, complete a music theory component, prepare a piece for performance in the end-of-year Jr./Sr. Fine Arts Showcase, and attend an outside performance each semester that will include a written critique and oral presentation.

ADVANCED BAND (11TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: Honors Band AND director recommendation

In addition to the normal band coursework, honors students will audition for TPSMEA All Region and All State bands, participate in TPSMEA solos & ensemble events, complete a music composition component, prepare a piece for performance in the end-of-year Jr./Sr. Fine Arts Showcase, and attend an outside performance each semester that will include a written critique and oral presentation.

CONCERT CHOIR (9TH – 12TH)

Two Semester Course Credit: 1.0

Students will sing four part or more (divisi) choral literature and establish the best possible ensemble sound. Students will learn music theory, sight-reading, and music history. Students will perform in school, community, festival, and competition events throughout the school year.

HONORS CHOIR (11TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: 2 years of Concert Choir AND director recommendation

In addition to the normal choir coursework, advanced students will audition for TPSMEA All Region and All State choirs, participate in TPSMEA solo & ensemble events, complete a music theory component, prepare a piece for performance in the end-of-year Jr./Sr. Fine Arts Showcase, and attend an outside performance each semester that will include a written critique and oral presentation.

ADVANCED CHOIR (11TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: Honors Choir AND director recommendation

In addition to the normal choir coursework, advanced students will audition for TPSMEA All Region and All State choirs, participate in TPSMEA solo & ensemble events, complete a music composition component, prepare a piece for performance in the end-of-year Jr./Sr. Fine Arts Showcase, and attend an outside performance each semester that will include a written critique and oral presentation.

THEATER I (9TH – 12TH)

Two Semester Course Credit: 1.0

Theater I will introduce and provide experience in all aspects of theater arts. Students will examine and study the role that acting, directing, sound, lights, set, costumes, make-up, and publicity play in the creation of a production. Additionally, students gain a working knowledge of theater history and the multiple forms of theatrical performance, as well as the technical aspects of theater and theatrical design. Students will be required to view and analyze one professional production during the year and will perform in the school one-act play.

THEATER II (10TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: Theater I or teacher recommendation

Theater II is a continuation of the work covered in Theater I in a more advanced context. Students will engage in more intensive preparation of their craft. This course focuses on styles of acting and performance and theatrical production. Class work focuses on scene study (including research, direction, stage management, character analysis, setting analysis and design) and monologues from various theatrical eras and genres. Auditioning techniques will be examined as well. Students will be required to view and analyze one professional production during the year. Students will perform in school, community, festival and competition events throughout the year.

HONORS THEATER III (10TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: Theater II AND director recommendation

Honors Theater III provides an opportunity to deepen skills and knowledge in an area in which the student has already demonstrated the ability to produce distinguished work. Students will engage in more intensive preparation of their craft. The creative physical, emotional and mental aspects of performance are studied through scene work, monologues, and improvisations. Auditioning techniques will be examined as well. Students will study various acting teachers and complete an acting technique/theory project. Student will be required to view and analyze one professional production per semester. This course also includes an introduction to directing theater. The director's concept and responsibilities are studied through scene work. Students will perform in school, community, festival and competition events throughout the year.

ADVANCED THEATER IV (11TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: Honors Theater III AND director recommendation

This advanced course is designed to prepare the serious theater student for life in the theater beyond the high school arena. Through a rigorous series of creative projects, the advanced theater student is challenged to work as an actor, a director, a theater technician, and a drama teacher. Students study advanced principles of acting and character analysis including and exploration of objectives, obstacles, choices and given circumstances, basic stage and rehearsal terms. Students teach theater etiquette to their peers, serve as a casting director during an audition process, and are expected to lead improvisation exercises and class discussion. From time to time, students are engaged in technical theater experiences and workshops. Students will perform in school, community festivals and competition events throughout the year.

TECH THEATER I (9TH – 12TH)

Two Semester Course Credit: 1.0

This course develops knowledge of and experience in all the technical (nonperformance) aspects of theatrical production. Special emphasis is placed on the elements of theatrical design, design analysis, stage management, and production management. Additionally, students gain hands-on experience in all aspects of technical theater. Students will be required to view and analyze one professional production during the year and are required to work as part of the crew for at least one of the LCA school productions.

TECH THEATER II (10TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: Tech Theater I or teacher recommendation

Tech Theater II continues to refine those concepts and skills outlined in Tech Theater I. This course broadens the focus of design to include lighting and costumes while expanding the student's understanding of the inter-relatedness of the various design aspects. Students are directly involved in the technical aspects of the productions as they design and construct sets. Costumes and makeup; hang lights, create special effects; paint; and build props for the productions. Students learn specialized vocabulary and explore set design, lighting design and costume design. Students will be required to work as part of the crew for at least one of the LCA school productions.

HONORS TECH THEATER III (11TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: Tech Theater II AND teacher recommendation

Tech Theater III focuses on the production staff aspects of putting on a show. Such positions include: Stage Manager, Technical Director, Set/Costume Designer and Lighting Designer. This class requires students to participate in extra rehearsals and performances beyond the school day. Students will be required to view and analyze one professional production per semester and are required to work crew for the main LCA school production.

ADVANCED TECH THEATER IV (11TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: Honors Tech Theater AND teacher recommendation

Tech Theater IV deepens the focus on the Production Staff aspects of putting on a show. Such positions include: Stage Manager, Technical Director, Set/Costume Designer and Lighting Designers. This class requires students to participate in extra rehearsals and performances beyond the school day. Students will be required to view and analyze one professional production per semester and are required to work crew for the main LCA school production. Students will also oversee the Fine Arts End-of-the-year Showcase.

PROFESSIONAL SCHOOLS COURSES

Beyond College Prep

SENIOR CAPSTONE (12TH)

Required Course for PSP Concentration Endorsements; Recommended for Interdisciplinary

Two Semester Course Credit: 1.0 Format: Independent Study/Internship

Prerequisite: Application required to be considered for this course

Senior Capstone is an opportunity for students to independently explore a particular career of interest within their chosen school and concentration. The Capstone encompasses either an independent study mentorship (ISM) opportunity or an internship. An ISM will involve students working closely with their Dean and a mentor in their selected area of study for problem solving, organizational strategies, and management skills. While an ISM could resemble a traditional college-level thesis, students may choose to conduct their learning within a proposed business model, or pursue work in the fine arts, or work under a professional mentor. Research may be in any academic area, but projects should have a goal of innovation in a specific field or a high-level of exposure and experience within a career field. In the case of internship opportunities, students will be assigned a partner on campus or through local professional connections. Each student will produce a paper or project by spring and will ultimately present his/her findings in a showcase event.

BUSINESS

BUSINESS CONCEPTS (10TH – 12TH)

Formerly Business Foundations

Required Course for School of Business

Two Semester Course Credit: 1.0

This course is an introduction to business and the private enterprise system from the perspective of the Christian world view. The course will provide students with an understanding of the foundational principles of business, including Economics, Entrepreneurship, Finance, Marketing, Management and designing business documents.

BUSINESS APPLICATIONS (11TH – 12TH)

Formerly Business Management

Two Semester Course Credit: 1.0

Prerequisite: Completion of Business Concepts

This course will build upon the foundational elements presented in Business Concepts and lead students to convert their conceptual understanding into an application-centered environment. Students will be challenged to apply the 4 Functions of Management, Sales & Marketing skills, Ethics & Social Responsibility, along with other business skills and processes to business scenarios that will prepare them for their futures.

PROFESSIONAL COMMUNICATIONS (11TH – 12TH)

Two Semester Course Credit: 1.0

This course is a study of the development of professional communication skills, both written and oral for today's marketplace. Includes mechanics, techniques, and psychological principles of effective professional communications with emphasis on contemporary communication technologies.

COMMUNICATIONS AIDE (11TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: Application or LCA Communications Department Recommendation

Students will assist LCA Marketing and Communications with projects related to the LCA community. Great experience with social media, video production, graphic design, etc. for the student. Enrollment is limited and students will be chosen upon interview with the Director of Marketing. Students will receive Pass/Fail credit and the class will not calculate in the students' GPA.

ENGINEERING & TECHNOLOGY

PRINCIPLES OF APPLIED ENGINEERING (9TH – 12TH)

Required Course for Engineering Concentration; Interdisciplinary

Two Semester Course Credit: 1.0

Principles of Applied Engineering provides an overview of the various fields of science, technology, engineering, and mathematics and their Interrelationships. Students learn to solve real-world problems using the engineering design process. Students will apply the 4 C's (Communication, Collaboration, Critical Thinking, Creativity) of 21st-century learning that are in demand for all industries. Upon completion of this course, students will understand design thinking and product creation. Further, students will have worked on a design team to develop a product or system.

INTRO TO COMPUTER SCIENCE (9TH – 12TH)

Two Semester Course Credit: 1.0 Format: Blended

The introduction to computer science curriculum teaches the foundations of computer science and basic programming, with an emphasis on helping students develop logical thinking and problem-solving skills. As students achieve a mastery of coding principles they will begin exploring a variety of applied programming applications.

ROBOTICS (10TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: Introduction to Computer Science or teacher recommendation

The Robotics class will incorporate STEM principles as they apply to the world of robots. The primary focus of the class will be coding the intelligence aspect of robotics, but students will also have the opportunity to construct custom robots. The curriculum will include real world features of engineering, such as project planning, designing, and testing. Students in the Robotics class must participate in the Robotics club, which will require some work outside the classroom and attendance at team competitions, typically two per year.

AP COMPUTER SCIENCE (10TH – 12TH)

Two Semester Course Credit: 1.0 Format: Blended

Prerequisites: 90% average or higher in Intro to Computer Science or teacher recommendation

This is a year-long course designed to help students master the basics of the Java language and equip them to take a computer class in college. All learning materials and resources teachers and students need for a successful year-long Java course can be found on the CodeHS website. Emphasis will be placed on project-based assignments and the ability to design and write code modularly while developing design-level thinking. Teamwork and leadership skills will be fostered in this dynamic and project-based course. *College credit may be earned through the AP exam in May, which is a required component of this course.*

DUAL CREDIT LETOURNEAU UNIVERSITY COMPUTER SCIENCE (11TH – 12TH)

Two Semester Course 6.0 College Credits LCA Credit 1.0 Format: Online with College Professor

This course consists of two semester long LETU courses (outlined below). Enrollment in both courses is required.

LCA Prerequisites: A 90% or higher in Intro to Computer Science AND Computer Science teacher recommendation

LETU Prerequisites: Students must have a minimal 3.0 GPA (unweighted on a 4.0 scale) to qualify for this course.

****It is not possible to audit this course***

COMPUTER SCIENCE I - COSC 1303

Fall Semester Course 3.0 College Credits

The Fall semester begins with an introduction to the field of computer science. Problem solving strategies, basic data structures, and an introduction to algorithms in the context of a modern programming language. A first college course in programming with an emphasis on scientific and engineering applications.

COMPUTER SCIENCE II - COSC 2103

Spring Semester Course 3.0 College Credits

The Spring semester is a deeper study of computing principles. Abstract data types, object-oriented programming concepts, and introductory topics of graphical-user interfaces, unit testing, and file structures. Students hone their problem-solving skills through a variety of programming assignments. This class will be taught by LETU professor in an online format.

HUMANITIES

INTRO to LAW (10TH – 12TH)

Required Course for Law Concentration

One Semester Course Credit: .5 Format: Online with The King's Academy Instructor

This course is two semesters including Intro to Law and one other Law elective course (outlined below)

Students will begin to understand the nature and purpose of law in the context of our legal system. Students will be given an overview of the types and sources of law, the dual-court system of the United States and its history, the general process of litigation, and careers in law. Special biblical concepts for our system of jurisprudence, as well as biblical methods of dispute resolution. *(This is an online distance learning course in partnership with The King's Academy)*

BUSINESS LAW & ETHICS (10TH – 12TH)

Optional Course for Law Concentration

One Semester Course Credit: .5 Format: Online with The King's Academy Instructor

Prerequisites: Intro to Law

Students will examine the basic elements of a contract and explore biblical concepts of negotiation, agreement, and business relationships. Students will also learn about types of property, explore legal issues for each type of property, and learn about stewardship of property. Students will be introduced to the concept of a tort with special emphasis on premises liability. Finally, students will explore selected topics in employment law. *(This is an online distance learning course in partnership with The King's Academy)*

Honors Criminal Law & Procedure (10TH – 12TH)

Optional Course for Law Concentration

One Semester Course Credit: .5 Format: Online with The King's Academy Instructor

Prerequisites: 90% average or higher in Intro to Law or School Dean Recommendation

Students who explore the topic of "What is a crime?" and differentiate a crime from other legal actions. Students will learn about key aspects of criminal procedure, including investigation, arrest, trial, and post-trial, with an understanding for the accused's rights at each phase of the process. Special emphasis will be placed on the concept of "justice" as tied in to a consideration of God's mercy and grace. Students will also learn about substantive criminal law, the burden of proof, and general defenses to a crime. *(This is an online distance learning course in partnership with The King's Academy)*

Honors Constitutional Law (10TH – 12TH)

Optional Course for Law Concentration

One Semester Course Credit: .5 Format: Online with The King's Academy Instructor

Prerequisites: 90% average or higher in Intro to Law or School Dean Recommendation

Students will examine the history of the U.S. Constitution, along with its underlying biblical values and themes. Students will explore the concepts of separation of power, branches of government, and whether branches are fulfilling intended roles under the constitution. Students will learn about key rights provided and how they play out in modern culture by studying U.S. Supreme Court cases. *(This is an online distance learning course in partnership with The King's Academy)*

DUAL CREDIT PALM BEACH ATLANTIC UNIVERSITY APPLIED HUMANITIES - Law (11TH – 12TH)

One Semester Course 3.0 College Credits LCA Credit .5 each Format: Online w/ The King's Academy Instructor

LCA Prerequisites: Intro to Law; Students must have a minimal 3.0 GPA (unweighted on a 4.0 scale) to qualify for this course. & School Dean Recommendation

PBAU Prerequisites: Students must have a minimal 3.0 GPA (unweighted on a 4.0 scale) to qualify for this course.

****It is not possible to audit this course***

PLW2003: Introduction to Criminal Law (11TH – 12TH) 3.0 College Credits

Students who explore the topic of "What is a crime?" and differentiate a crime from other legal actions. Students will learn about key aspects of criminal procedure, including investigation, arrest, trial, and post-trial, with an understanding for the accused's rights at each phase of the process. Special emphasis will be placed on the concept of "justice" as tied in to a consideration of God's mercy and grace. Students will also learn about substantive criminal law, the burden of proof, and general defenses to a crime.

INTRO TO PSYCHOLOGY (10TH – 12TH)

Required Course for Law Concentration; Ministry and Education Concentration

Two Semester Course Credit: 1.0

****Requirement may also be satisfied with LETU Intro to Psychology semester course***

Introduction to Psychology provides a foundational understanding related to the study of human behavior. Students will be given exposure to basic historical theory, human development, perception, learning, personality, and other applied areas.

DUAL CREDIT LETOURNEAU UNIVERSITY APPLIED HUMANITIES - Ministry & Education (11TH – 12TH)

Two Semester Course 6.0 College Credits LCA Credit 1.0 Format: Online with College Professor

This course consists of two semester long LETU courses (outlined below). Enrollment in both courses is required.

LCA Prerequisites: School Dean Recommendation

LETU Prerequisites: Students must have a minimal 3.0 GPA (unweighted on a 4.0 scale) to qualify for this course.

****It is not possible to audit this course***

PSYC2013: Intro to Psychology 3.0 College Credits

The scientific study of behavior and mental processes. Fundamental theories, problems, and procedures relating to human activity. Biological, social, and cultural factors in development. Topics include neuroscience, development, gender, sensation and perception, learning, memory, thinking, motivation and emotion, stress, personality, psychological disorders and therapy, and social psychology.

PSYC2143: Human Growth & Development 3.0 College Credits

This course involves the study of biopsychosocial and spiritual aspects of development from birth to death. Through the examination of various theories and research, this course will allow students to experience a greater understanding of physical, cognitive, social, and emotional development through the lifespan.

EARLY ED AND TRAINING (11TH – 12TH)

Formerly Elementary Education Aide

Two Semester Course Credit: 1.0

Prerequisite: Application required

Students will assist LCA teachers in early education grades up to 1st grade with educational tasks and learning initiatives. Students will receive Pass/Fail credit and the class will not calculate in the students' GPA. Students must apply and be approved by the associated principal(s).

MEDICINE

INTRO TO HEALTH MEDICINE (10TH – 12TH)

Required Course for Health Sciences Concentration

Two Semester Course Credit: 1.0

This course provides an overview of health careers and overriding principles central to all health professions. Students will examine anatomy, physiology and disease development, privacy, ethics, and safety in health care. They will also explore science and technology in human health, and learn the communication skills and teamwork needed in the healthcare environment. Students will also be introduced to medical terminology and healthcare vocabulary currently used in the practice of medicine.

DUAL CREDIT LETOURNEAU UNIVERSITY APPLIED MEDICINE (11TH – 12TH)

Two Semester Course 6.0 College Credits LCA Credit 1.0 Format: Online with College Professor

This course consists of two semester long LETU courses (outlined below). Students will CHOOSE TWO courses from the list of three options. Enrollment in two courses is required.

LCA Prerequisites: School Dean Recommendation

LETU Prerequisites: Students must have a minimal 3.0 GPA (unweighted on a 4.0 scale) to qualify for this course.

****It is not possible to audit this course***

PSYC2013: Intro to Psychology 3.0 College Credits

The scientific study of behavior and mental processes. Fundamental theories, problems, and procedures relating to human activity. Biological, social, and cultural factors in development. Topics include neuroscience, development, gender, sensation and perception, learning, memory, thinking, motivation and emotion, stress, personality, psychological disorders and therapy, and social psychology.

PSYC2143: Human Growth & Development 3.0 College Credits

This course involves the study of biopsychosocial and spiritual aspects of development from birth to death. Through the examination of various theories and research, this course will allow students to experience a greater understanding of physical, cognitive, social, and emotional development through the lifespan.

HLSC2033: Medical Terminology 3.0 College Credits

An introductory study of the specific and technical vocabulary used in medicine. Students will learn common Latin and Greek prefixes, suffixes, and roots used in health-related communication. Skills will be developed in spelling, pronouncing and defining this type of terminology.

FINE ARTS

See pages 25 - 28 for all Legacy Core (1 credit) Fine Art course options. Additional courses listed below may count toward Fine Arts Professional Core Interdisciplinary credit or as additional electives.

WORSHIP ARTS (9TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: Application and Audition required to be considered for the class

The worship arts class is designed for students interested in helping with the worship portion of the Upper School chapel services. Specifically, this course will focus on the development of students with audio/video and lighting skills as well as instrumental (acoustic/electric/bass guitar, piano/keyboard, drums) and vocal worship leaders. Students with existing skills in instrumental and vocal music will make up the US Worship team and will continue to grow through rehearsal and the leading of chapel worship each week. Worship Team members will also be challenged to explore the art of worship and develop effective stage leadership skills through formal study and group discussion. Members of the worship arts class interested in audio/video and lighting production will learn how to effectively run an advanced sound board, develop programming skills for stage lighting and assist in the overall production for each chapel service. This class is available by application and audition only.

DIGITAL PHOTOGRAPHY (9TH – 12TH)

One Semester Course Credit 1.0

Have you ever wondered how professional photographers manage to take such great pictures? Have you tried to take photographs and wondered why they didn't seem to capture the moment you saw with your eyes? Digital Photography will answer these questions and more, and help you gain a better understanding of the crucial relationship between camera, lens, and light. Learn how aperture, shutter speed, quality of light, and elements of composition make all the difference in creating truly remarkable images. Learn special techniques that will help you capture quality portraits, action shots, landscapes, and more. This two semester course will begin with foundational concepts, engage in basic assignments, and review historically relevant information. The course will end with more advanced techniques and projects.

ADDITIONAL ELECTIVES & PHYSICAL EDUCATION

LEGACY LEARNING CENTER

Two Semester Course Credit: 1.0

Prerequisite: Completion of a formal battery of tests, including academic and achievement testing. Students must qualify with a learning difference or ADHD. The testing must be current within three years. Annual fee required.

Legacy Learning Center provides support for students with diagnosed learning differences and/ or ADHD in order to maximize their potential for success within the LCA curriculum. Students will have a case manager that manages student accommodations. The course provides skill support and development in test taking, studying, and organization. Students will receive academic progress monitoring, study skills, and training in self-advocacy. LLC can serve as a student's study hall period.

YEARBOOK (9TH – 12TH)

Two Semester Course Credit: 1.0

Prerequisite: Application and Audition required to be considered for the class

The goal of the course is to help students discover, develop and enjoy their God-given talents as they learn the disciplines and concepts of page design, publishing techniques, copyrighting, editing and photography. Students will be encouraged to think like photographers, appreciate journalism, and create an innovative yearbook which records Legacy's memories and events while they gain useful real-world skills in time management, marketing, teamwork and design principles.

ATHLETICS/PHYSICAL EDUCATION (9TH – 12TH)

1.0 Credits Required for Graduation

PE credit can be earned in numerous ways apart from taking a PE course. Participation on an athletic team will earn .5 credits per season. Marching Band earns .5 credits for each season. Participation in Off-Season Strength and Conditioning will earn .5 credits per semester. With approval from the principal and the completion of the appropriate forms, a student can also earn PE credit through outside athletic participation that is not through Legacy.

OFFICE AIDE (11TH – 12TH)

Two Semester Course Credit: 1.0 Format: Independent

Prerequisite: Application required to be considered for the class

Students will assist administrative staff in the Upper School office. Students will receive Pass/Fail credit and the class will not calculate in the students' GPA. Students must apply and be approved by the Upper School Administrative assistant.

SCIENCE LAB AIDE (11TH – 12TH)

Two Semester Course Credit: 1.0 Format: Independent

Prerequisite: Application required to be considered for the class

Science Laboratory Assistants (LA) must be high achieving students with a goal of being in a science-related field. LAs support the science department with laboratory organization and design, setup and tear down of lab stations, cleaning tools/instruments, clerical duties and other general classroom support services. When applicable, LAs will also provide content knowledge to support students. Students will receive Pass/Fail credit and the class will not calculate in the students' GPA. Students must apply and be approved by the Science Department Chair.



LEGACY CHRISTIAN ACADEMY

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