



LEXINGTON CHRISTIAN ACADEMY  
FAITH • SERVICE • EXCELLENCE

THIS IS  
WHERE

*Purpose*  
IS  
*Discovered*

2023-2024 HIGH SCHOOL  
COURSE GUIDE

# CONTENTS

## WELCOME FROM THE PRINCIPAL

## SCHOOL INFORMATION

Mission & Vision

Biblical Worldview

Academic Administration

Guidance & Counseling

Student Support Services

## CURRICULUM

Description of Courses Offered

Courses by Departments

- Bible
- Business & Technology
- Communications
- Engineering
- English
- Fine Arts
- Health & Physical Education
- History
- Mathematics
- Science
- World Languages

AP / Dual-Credit / Honors Courses

Academic Pathways

Grading Scale

NCAA Eligibility

Graduation Requirements

Portrait of a Graduate

## LEARNING OUTSIDE OF THE CLASSROOM

# WELCOME



Dear LCA Families,

Welcome to the 2023 – 2024 school year! As the high school principal, I am honored to welcome you to our high school family. I am excited to have the opportunity to work alongside our faculty, staff, students, and families to foster a positive and productive learning environment where our mission of nurturing young people to fulfill God's calling on their lives through Christ-centered education is at the forefront of everything we do.

**Dr. Cassandra Koett**  
**High School Principal**

We know that high school is crucial time for students as they begin to prepare for their futures after high school, and our goal is to provide them with the academic course offerings, co-curricular activities, and God's Truth as their compass to achieve their goals. We strive to create a safe and secure learning environment where students feel valued and supported.

Lexington Christian Academy is starting its 35th year of educating young people, and we are excited to offer a diverse range of academic courses that cater to our students' interests and talents. We hope this course guide is a useful tool as you select courses and opportunities for your children. The course guide is designed to offer detailed information about scheduling, graduation requirements, course descriptions, and academic pathways to support you in selecting courses to create and/or update your high school plan. We are proud to be able to provide students with rigorous college and career ready programs of study while incorporating Biblical Truths.

As parents and guardians, you play a critical role in your child's education. We encourage you to stay involved in your child's academic progress and communicate with your child's teachers and counselors. We believe that by working together, we can help your children realize their full potential.

We want to thank you for choosing Lexington Christian Academy for your child's education. We are blessed to have your family as part of our school community and look forward to a successful year.

God Bless,  
Cassandra Koett

# MISSION & CORE VALUES



## MISSION

Lexington Christian Academy's mission is to "nurture and equip students to fulfill God's calling and their lives through Christ-centered education."

## CORE VALUES

### **TRUE EDUCATION MUST BE BUILT ON, CENTERED IN AND CONTINUALLY JUDGED BY CHRIST AND THE SCRIPTURES.**

The Bible must serve as the basis upon which every course and every activity in the school is evaluated. The school's worldview—basic beliefs, assumptions, values, priorities, and biases - must be firmly established upon the principles of God's Word.

### **BIBLE INSTRUCTION IS INTEGRATED WITH EVERY ASPECT OF THE STUDENT'S EDUCATIONAL EXPERIENCE.**

In addition to attending daily Bible classes, LCA students encounter God's truth. The Bible is the framework for character, attitude, and value development.

### **PARENTS ARE THE FIRST - AND MOST IMPORTANT - TEACHERS.**

One of the principal needs of children is instruction. The Bible emphasizes the important role that parents play in providing that instruction. While others may teach, fathers and mothers have the prime responsibility. The partnership between the home and school establishes a strong foundation for the student's success.

### **THERE IS A COMMITMENT TO EXCELLENCE AND INNOVATION THROUGHOUT OUT EDUCATIONAL PROGRAM OFFERINGS THAT MAXIMALLY PREPARES OUR STUDENTS FOR COLLEGE AND LIFE.**

LCA School System's curricular and instructional decisions are supported by research and reflective of best practices.

### **STUDENTS SHOULD HAVE A WIDE RANGE OF EDUCATIONAL OPPORTUNITIES AVAILABLE TO THEM.**

LCA believes that no student should have to take an academic penalty to receive a Christian education. As a result, LCA has made a long-term financial commitment to provide a full range of educational opportunities to its student body.



# BIBLICAL WORLDVIEW

LCA provides an environment of learning centered in a Biblical Worldview, dependent on a high-level quality curriculum, administered by caring, well-equipped, Christian educators.

At LCA, we intentionally examine all subject areas through the lens of the Bible. Our educators equip students with a Biblical worldview through addressing the Biblical purpose for studying the topic, connecting and comparing assumptions in their fields of study, and evaluating worldview questions in their content area. Students come to the realization that God is present in all facets of life, and that Scripture is our ultimate source of truth.

A Christian school is not a place where a few elements such as prayer, chapel services, and Bible classes merely complement an otherwise secular education. Genuine Christian education integrates God's Word into the curriculum, cocurricular activities, and every other aspect of school life, in turn enabling students to make a difference in the world for Him. While a Christian school is not a "safe house" from the evils of the world or a guarantee against sin, it does teach students about God's commands, forgiveness, and grace. The Christian school should be the place where Christian families, the church, and the school prepare students for effective lives of service in God's kingdom.

An integral part of our high school is the spiritual training our students receive through their Bible classes, weekly chapel programs as well as mission & outreach program.

Daily classes provide opportunities for Biblical study, examination of doctrines, theology & practices as well as an exploration of one's worldview.

Led by the Spiritual Life Director, chapel is designed to encourage and equip students to grow stronger in their faith as they prepare for college. Chapel is comprised of praise & worship plus a lesson. Opportunities for students to participate in worship.

As Christians, we are called to be our Lord's "hands and feet." Our students embrace this calling and serve in a variety of ways both in the Lexington community and beyond. LCA students are involved with the programs such as Dance Blue, God's Pantry, Hunger Walk, and Walk for Warmth.



# ACADEMIC ADMINISTRATION

**Scott Wells, Ed.D, Head of School**

swells@lexingtonchristian.org  
(859) 422-5720

**Cassandra Koett, Ed.D, High School Principal**

ckoett@lexingtonchristian.org  
(859) 422-5742

**Lisa Bacon, M.A.Ed., Assistant Head of School &  
Director of Curriculum & Instruction**

lbacon@lexingtonchristian.org  
(859) 422-5736

**Keith Galloway, M.S., Assistant High School  
Principal & Athletic Chaplain**

kgalloway@lexingtonchristian.org  
(859) 422-5764

# GUIDANCE & COUNSELING

**Megan Miller, PsyS, NCSP, Coordinator of  
Student Intervention**

mmiller@lexingtonchristian.org

**Lauren Sizemore, College Counselor (Class of 2024)**

lsizemore@lexingtonchristian.org  
(859) 422-5745

**Julie Guilliams, M.Ed., Registrar**

jguilliams@lexingtonchristian.org

**Amy Cornell, College Counselor (Class of 2025)**

acornell@lexingtonchristian.org  
(859) 422-5725

**Rhiannon Owens, M.S., CCC-SLP, High School  
Academic Counselor (Freshmen & Sophomores)**

rowens@lexingtonchristian.org  
(859) 422-5744





# STUDENT SUPPORT SERVICES

Academic success is defined differently for every student. The Student Support Services program at Lexington Christian Academy (LCA) is designed to assist students, elementary through high school, who need of intervention in area(s) of reading, mathematics, written expression, and/or attending difficulties.

The goal of the program is to help students develop academic skills and apply instructional strategies to become independent, life-long learners. Learning specialists (interventionists) work with small groups of students with similar academic needs. Students, parents, teachers, and school counselors collaborate with the learning specialist to create a student academic plan otherwise known as the **Learning Centered Accommodation Plan (LCAP)** that is highly individualized and designed to promote student success and independence. Examples of allowable accommodations include extended time, a reader, use of assistive technology, alternative testing environment, note taking guide and/or movement breaks.

## **Eligibility for Student Support Services**

All students must meet previously established admission criteria to be eligible for the school's Student Support Services program. Students entering LCA with previously diagnosed academic and/or attending difficulties must have the ability to demonstrate performance commensurate with same age peers utilizing minimal accommodations strategies.

## **Requirements for Enrollment in the Student Support Services may include:**

- Review of student's academic history including prior 504 or Individualized Education Plans (IEPs)
- Classroom observation
- Feedback from classroom teachers
- Review of psych-educational (and/or medical) testing
- Additional assessment data

## **Requirements for Continuation in the Student Support Services program may include:**

- Academic re-evaluation of students participating in the program may be requested every three years to monitor progress, evaluate continued need, and/or determine eligibility for the program.

The staff will carefully review the materials provided and then schedule a meeting to discuss the team's recommendations for the student. Withholding or misrepresenting information may jeopardize a student's admission or continued enrollment to the intervention program and/or school.

## **Description of Services**

- Annual meeting with parents and teachers regarding student's academic needs (K-12)
- Small group instruction in math and/or reading (K-5)
- Test accommodations specific to the student's needs (K-12)
- "FLEX" class to address organizational needs and receive academic support with tasks assigned in the student's courses (6-8)
- Daily study hall to address organizational needs and receive academic support with tasks assigned in the student's courses (9-12)
- College Board/ACT accommodations and documentation specific to the student's needs (9-12)
- Consultation

# PORTRAIT OF A GRADUATE



Lexington Christian Academy is an exceptional school that produces graduates who, as servant-leaders, will use their knowledge, gifts and abilities to be positive influences in the world.

**KNOWLEDGE & WISDOM:** At LCA, we foster an environment where students develop analytical, critical thinking skills while they acquire wisdom from experiences inside and outside of the classroom.

**PURPOSE & SERVICE:** We strive to equip and nurture our students to fulfill God's calling on their lives through Christ-centered education. Using Jesus as the perfect servant leader, we encourage our students to support and serve their communities and beyond.

**LEADERSHIP & CHARACTER:** Through Bible classes, chapel programs, and outreach, we challenge our students to embrace Christ-like characteristics and make a difference in their world. Again, using Jesus as our model, we emphasize the importance of humility, integrity, and kindness as they lead in our hallways, on the field of play as well as the performance stage.

# GRADUATION REQUIREMENTS

In order to graduate from Lexington Christian Academy's High School, a student must earn **25.5 credits**. LCA's graduation requirements are aligned with the Kentucky Pre-College Curriculum (PCC) guidelines. Specific requirements are as follows:

SUBJECT AREA	LCA REQUIREMENTS FOR GRADUATION
Bible	4 Credits (Bible I, II, III, and IV)
English	4 Credits (e.g., English I, II, III, and IV)
Communications	.5 (Public Speaking)
Math	4 Credits (must include minimum of Algebra I, Geometry, Algebra II and one additional credit)
Science	3 credits (e.g., Biology, Conceptual Physics and Chemistry OR Biology, Chemistry and a science elective)
Social Studies	3 Credits (e.g., World Civilizations, US History, Government (.5 credit,) and Economics (.5 credit)
Kinetic Wellness	Health (.5 credit) and Physical Education (.5 credit)
Fine Arts / Humanities	1 credit (e.g. studio art, music, chorus, digital arts, drama)
World Language	2 Credits (both years must be in the same language; if level I is earned in 8th grade, levels II and III must be completed in high school)
Electives	3 Credits

## ADDITIONAL NOTES:

1. Students who transfer after grade nine will not be required to make up the missing Bible credits.
2. Beginning with the class of 2024, students will be required to take **four** credits of Math, **two** credits of World Language and **one** credit of Fine Arts/Humanities while enrolled in High School, even if they have earned HS credit in 8th grade.
3. Beginning with the class of 2024, the high school science track will begin with Biology/Honors Biology in 9th grade. Physical Science will be the standard 8th grade science course and will not earn high school credit.
4. Courses that fulfill the Fine Arts/Humanities requirement include:
  - Visual Arts: 2D Art I-III, 3-D Art I-III, Printmaking, Advanced Studio Art, AP Art History, AP Studio Art
  - Performing Arts: Chorus, Drama, Instrumental Music, Piano, Guitar, AP Music Theory
  - Digital Arts: Digital Photo I, Digital Photo II, Graphic Design Software, Video Editing and Special Effects

# RECOMMENDED FOUR-YEAR COURSE PLANS

SUBJECT AREA	LCA REQUIREMENT FOR GRADUATION	CREDITS RECOMMENDED FOR COLLEGE ENTRANCE	RECOMMENDED FOR ELITE COLLEGE ENTRANCE & MERIT-BASED SCHOLARSHIPS
<b>Bible</b>	4 Credits	4 Credits	4 Credits
<b>English</b>	4 Credits	4 Credits	4 Credits
<b>Communications</b>	.5 (1 semester)	.5 (1 semester)	.5 (1 semester)
<b>Math</b>	4 Credits	4 Credits	4 Credits
<b>Science</b>	3 Credits	3-4 Credits	4 Credits
<b>Social Studies</b>	3 Credits	3 Credits	3-4 Credits
<b>Health</b>	.5 (1 semester)	.5 (1 semester)	.5 (1 semester)
<b>Physical Education</b>	.5 (1 semester)	.5 (1 semester)	.5 (1 semester)
<b>Fine Arts / Humanities</b>	1 Credit	1 Credit	1 Credit
<b>World Language</b>	2 Credits	3 Credits (of same language)	4 Credits (of same language)
<b>Electives</b>	3 Credits (strategically chosen)	3 Credits (strategically chosen)	3 Credits (strategically chosen)

## Example Four-Year Plans

*Please note that academic plans vary from student to student based on educational goals.*

### Example State College/University Admission Plan

Subject Area	Freshman	Sophomore	Junior	Senior
<b>Bible</b>	Bible I	Bible II	Bible III	Bible IV
<b>English</b>	English I	English II	English III	English IV
<b>Communications</b>				Public Speaking
<b>Math</b>	Algebra I	Geometry	Algebra II	Algebra III/ Trigonometry
<b>Science</b>	Physical Science	Biology	Chemistry	
<b>Social Studies</b>		World Civilizations	US History	Government & Economics
<b>Health</b>	Health			
<b>Phys Ed</b>	Phys Ed			
<b>Fine Arts / Humanities</b>	Instrumental Music			
<b>World Language</b>	Spanish I	Spanish II	Spanish III	
<b>Electives</b>		Elective	Elective	2.5 Electives

### Example Elite University and Merit-Based Scholarship Consideration Plan

Subject Area	Freshman	Sophomore	Junior	Senior
<b>Bible</b>	Bible I	Bible II	Bible III	Bible IV
<b>English</b>	Honors Eng I	Honors Eng II	AP Eng Lang	AP Eng Lit
<b>Communications</b>				Public Speaking
<b>Math</b>	Honors Alg II	Honors PreCalc	AP Calc AB	AP Calc BC
<b>Science</b>	Honors Biology	Honors Chemistry	AP Biology	AP Chemistry
<b>Social Studies</b>	AP Human Geography	AP World History: Modern	AP US History	Government & AP Econ
<b>Health</b>	Health			
<b>Phys Ed</b>	Phys Ed			
<b>Fine Arts / Humanities</b>	Instrumental Music			
<b>World Language</b>	Spanish II	Spanish III	Spanish IV	AP Spanish Language
<b>Electives</b>		Elective	Elective	2.5 Electives

*Student elective requirements are met by exceeding requirements in Science, Social Studies, and World Language.*



# NCAA & NAIA ELIGIBILITY

## NCAA ELIGIBILITY

Students' NCAA initial eligibility will be determined based on 16 core courses. Potential college student-athletes must meet the core course requirements listed below in order to be eligible to compete at an NCAA institution. Student-athletes must have an NCAA core course GPA of 2.3 or higher (2.2 for Division II). Beginning with Fall 2023 entering freshmen, standardized test scores (ACT, SAT) are no longer included in NCAA initial-eligibility determination. For more information, visit the NCAA's Eligibility Center <http://www.ncaa.org/student-athletes/future/eligibility-center>

### DIVISION I – 16 CORE COURSES

- 4 years of English
- 3 years of Math (Algebra I or higher)
- 2 years of Natural/Physical Science including one year of lab science
- 1 year of additional English, Mathematics or Natural/Physical Science
- 2 years of Social Studies
- 4 years of additional coursework (from any area above, World Languages or non-doctrinal religion/philosophy)

Total of 10 Core Courses, including 7 English, Math, or Natural/Physical Science, must be completed before your seventh semester

### DIVISION II – 16 CORE COURSES

- 3 years of English
- 2 years of Math (Algebra I or higher)
- 2 years of Natural/Physical Science including one year of lab science
- 3 years of additional English, Mathematics, or Natural/Physical Science
- 2 years of Social Studies
- 4 years of additional coursework (from any area above, World Languages or non-doctrinal religion/philosophy)

## NAIA ELIGIBILITY

If you plan to enroll at a NAIA college or university, please read this information carefully. To be academically eligible, the eligibility center requires that incoming freshmen meet two of three criteria.

- Achieve a minimum overall high school grade point average of 2.0 on a 4.0 scale.
- Graduate in the top half of their high school class.
- Achieve a minimum of 18 on the ACT or 970 on the SAT.

Due to national trends away from institutions requiring standardized test scores for college admission and fewer high schools reporting class rank, a student may meet initial-eligibility requirements solely on the basis of their high school GPA. Beginning with Fall 2022 entering freshmen, students with a 2.3 on a 4.0 scale meet NAIA initial-eligibility requirements. In addition, students with a 3.3 after six semester or a 2.8 after seven semesters may receive an early decision of NAIA eligibility.

Student-athletes should create an account at **[www.PlayNAIA.org](http://www.PlayNAIA.org)**, which processes initial eligibility and provides details regarding eligibility requirements and documentation

# GRADING SCALE

GRADE	RANGE	COLLEGE PREP (CP)	HONORS	ADVANCED PLACEMENT (AP) and DUAL CREDIT (DC)
A	90-100	4.0	4.5	5.0
B	80-89	3.0	3.5	4.0
C	70-79	2.0	2.5	3.0
D	65-69	1.0	1.5	2.0
F	64 and below	0	0	0 / 1.0 for Dual Credit
TI	Temporary Incomplete			

Class Rank: LCA does not rank students except for Valedictorian and Salutatorian for graduation. The weighted cumulative GPA (WCGPA) is used for determining Valedictorian and Salutatorian, as well as graduation honors.

# TYPES OF COURSES

LCA offers many courses, all of which seek to provide students with knowledge, understanding, and an integration of God's truth in all subject areas. LCA calculates both an unweighted (UGPA) and a weighted cumulative grade point average (WCGPA), with courses factoring into the WCGPA at differing amounts based on quality points earned in more rigorous courses. The WCGPA is reported to colleges for admission and is used to determine graduation honors.

## TYPES OF COURSES

**College Prep Courses:** Most of LCA's courses are college prep and are weighted on a 4.0 scale.

**Honors Courses:** Honors courses have required prerequisites. Please refer to the specific course description for details. Honors courses are weighted with a +0.5 quality point in the WCGPA (A=4.5, B=3.5, C=2.5, D=1.5).

**Advanced Placement Courses:** AP courses are weighted with a +1.0-quality point in the weighted cumulative GPA (i.e., A=5, B=4, C=3, D=2, F=0). In the unweighted cumulative GPA, an AP class has a regular value (i.e. A= 4, B=3, C=2, D=1, and F= 0). AP courses have required prerequisites. Please refer to the specific course description for details.

**Dual Credit:** Dual Credit courses earn both high school credit toward graduation from LCA and college credit which may be transferred to the student's chosen college upon high school graduation. Dual Credit courses taken in fulfillment of graduation requirements are weighted on the same scale as Advanced Placement courses in the WCGPA, with the state-mandated exception that a grade of F factors in at 1.0, and have required prerequisites. Students must apply for admission to the partner college/university through which the Dual Credit course is taught. Students who elect to enroll in Dual Credit courses, either in fulfillment of LCA graduation requirements or as electives, must also be enrolled in five (5) on-campus LCA courses each semester.

LCA offers select Dual Credit courses on-campus in partnership with area colleges and universities, but students may also request approval to independently enroll in a Dual Credit course that is not available at LCA through a program of their choice. Grades and credit for Dual Credit courses taken as electives will be included on the LCA transcript and in the Kentucky Educational Excellence Scholarship (KEES) calculation, but will not factor into the WCGPA for the purpose of determining graduation honors. Students should not enroll in the independent Dual Credit course until the request has been reviewed and the course and program are approved.

Tuition for dual credit courses is charged by and payable directly to the providing college/university and is the responsibility of the student's family, in addition to LCA tuition. LCA does not offer a prorated tuition discount to subsidize Dual Credit enrollment. The Kentucky Higher Education Assistance Authority (KHEAA) offers a non-need-based, non-merit-based Dual Credit Scholarship (DCS). Students are responsible for applying for the DCS through their myKHEAA account. The DCS covers up to two (2) Dual Credit courses (6 college credit hours/1 HS credit) at a maximum of \$72/college credit hour. Families are responsible for any Dual Credit tuition balance remaining after the DCS is applied.

**Prerequisite Courses and Standards:** A prerequisite is a condition that must be met before a student may enroll in a certain course. Prerequisites are listed at the top of each course description. Please check these requirements carefully before making selections. Prerequisites reflect the desire of each department to ensure the success of students in selected courses.

**Corequisite Courses:** A course listed as a corequisite must be taken prior to or at the same time as a certain course.

# SCHEDULE CHANGE REQUESTS

Schedule changes will only be considered for legitimate academic reasons. In order to change a schedule, students need to complete an electronic Course Change (Drop/Add) Request Form, which is available in **FACTS Family > School > Resources** and on the LCA website under **High School Resources**.

During the first five days of the semester, a student may drop a class and enter a class without consequence.

Beginning with the 6th day of the course, the student may drop a class, but will receive a "W" (withdrawal) notation on their transcript.

## WORK RELEASE

Some seniors may be eligible for a work release opportunity. Work release allows students to go to work on his/her authorized days of employment.

In order to be considered for participation in the work release program, students must be on track for graduation. All students will be required to sign up for a 7-period day, until their work release form is signed and approved by the student's employer and assistant principal. **Work Release Forms** are available in the High School Office and as a PDF download in the **Online Course Requests** module, in **FACTS Family Resources**, and on the LCA website under **High School Parent Resources**.



**LEXINGTON CHRISTIAN ACADEMY**  
**FAITH • SERVICE • EXCELLENCE**

# **CURRICULUM**

# BIBLE

**Bible I: Christ in the Old and New Testaments (1 credit)** takes the student through a Christ-centered study of the whole Bible. The class texts and other sources will assist the student in examining the historical and cultural backgrounds of the Bible. The student will also be taught how to work with passages of Scripture using inductive Bible study methods. The students will develop a greater understanding of the various ways God foreshadowed the coming of Christ to the Jewish people. The students will then examine the New Testament to discover how Jesus is revealed as the fulfillment of the Old Testament prophecies and the Savior of the world. An emphasis will be placed on personal application throughout the study.

**Bible II: Themes of Scripture (1 credit)** is designed to bring the student to an understanding of twenty core themes that are revealed and developed throughout the Scriptures. Students will work to become competent in studying the Bible and letting it address our paradigms of thought and values. As a result of our study we aim to develop a heart and mind for God's revelation that shapes our worldview, sense of purpose and broadens our foundation for future study.

**Bible III: Christianity and World Religions (1 credit)** introduces students to the History of Christian Theology from the Patristic Period (100 AD) to the Post-Modernism of the 21st Century. Students will be introduced to perennial theological issues which have shaped the Christian tradition. Contributions to these issues from the three main Christian traditions (Roman Catholic, Eastern Orthodox and Protestantism) will be examined. The course will introduce students to numerous world religions with the goal of providing students with a broader understanding of other world religions. Students will be introduced to the respective views, religious text and thinkers connected to these religions. The views of these religions will be compared and contrasted to Christianity in order for the students to gain a deeper understanding of their own faith tradition.

**Bible IV: Ethics and Culture in a Modern Society (1 credit)** is designed to take a serious look at the student's worldview and explore Christianity as a worldview as it relates to a number of contemporary issues. This class will take a detailed look into the major questions that all worldviews must answer. From this framework, the student will be challenged to develop his/her personal Christian worldview on each topic.

**Apologetics (.5 credit)** equips students to engage current culture in defending our faith; to practice the spiritual disciplines and enjoy greater connection with God; to lean into and practice using our skills and passions from the Father to make a difference in our communities now. **(Instructor approval required.)**

Course Title	Grade	Length	Credit
Christ in the Old & New Testaments	9	Year	1
Themes of Scripture	10	Year	1
History of Christian Thought	11	Year	1
Ethics & Culture in a Modern Society	12	Year	1
Apologetics	All	Semester	0.5
Leadership & Spiritual Formation	11, 12	Semester	0.5
Christian Ministry & Leadership Internship	12	Semester	0.5

**Leadership and Spiritual Formation (.5 credit)** is designed to assist students to better clarify and actualize their individual calls to ministry. Students will gain an understanding of what it means to be called into ministry and explore how their gifts can be utilized to expand God's kingdom on earth. Students will also gain theoretical and practical knowledge and experience in various areas of servant leadership. **(Prerequisite: Apologetics)**

**Christian Ministry and Leadership Internship (.5 credit)** provides senior students the opportunity to apply what they have learned in Bible and Pre-Ministry track classes to real world situations and allow them to obtain valuable work experience. Students must complete an application to be approved by a faculty member in the Bible Department and an administrator. The application will outline the work to be completed by the student, the hours in which the students will work, and the name of the student's supervisor. The student will be responsible for completing a certain number of hours (as determined by administrator and internship supervisor) of work in the internship. Both the student and the supervisor must complete an evaluation by the end of the semester for the student to obtain credit. Credit for this class will be pass-fail only. **(Prerequisite: Apologetics)**





# BUSINESS & TECHNOLOGY

## BUSINESS COURSES

### Accounting I (1 credit)

Introduces students to the basic principles of accounting for sole proprietorships. Students will learn to journalize business transactions, post to ledgers, and prepare financial statements and payroll during the first semester and learn how those same principles apply to corporations, partnerships and not-for profit organizations during second semester. This class will benefit students who pursue a college degree in any area of business, choose a clerical occupation after graduation, as well as those who might own their own business.

### Introduction to Business (1 credit)

Introduces students to the concepts and skills required for success in today's marketplace. Topics include basic global economics, entrepreneurship, human resources and management, leadership, basic financial management, marketing, production, and risk management. Students will also participate in the Junior Achievement Business Plan Challenge during the 2nd semester.

### Personal Finance (.5 credit)

Introduces students to the importance of personal financial analysis planning and management. Topics include understanding the foundations of financial planning, including budgets, debt, insurance, investments, retirement, saving and giving. This class will primarily use the Dave Ramsey curriculum titled Foundations in Personal Finance.

### Introduction to Law (.5 credit)

This class will help familiarize students with legal vocabulary. They will be introduced to the court system, as well as the primary subjects of substantive law. This course will cover many of the topics covered by first-year law students, such as: origins of law court systems, criminal law, torts, contracts, and property. Some constitutional law will be included. Students will discuss the ethical implications of laws and their applications. Additionally, students will be challenged to consider these topics from a Biblical Worldview.

### Business Law (.5 credit)

Theme-related, law-based course focuses on the study of law for business and personal use. Designed to introduce topics such as ethics, contracts, sales, court systems, employment, and personal business transactions in business and personal law, beginning with the origins of law. The material provides students with practical guidelines for becoming well-informed, contributing citizens and consumers, both now and in the future. Also develops a fundamental understanding of how the law governs business and its operations.

Course Title	Grade	Length	Credit
Accounting	All	Year	1
Intro to Business	All	Year	1
Personal Finance	11, 12	Semester	0.5
Business Law	All	Semester	0.5
Criminal Law	All	Semester	0.5
Mock Trial	All	Semester	0.5
Business/Tech Internship	11, 12	Semester	0.5

### Criminal Law (.5 credit)

This course introduces students to criminal law and procedure. Course material will include an overview of constitutional law governing criminal proceedings from the arrest through trial. Students will analyze landmark Supreme Court cases and discuss recent developments in criminal law. Throughout the course, students will also consider ethical issues related to criminal law, from investigation to penalty phase.

### Mock Trial (.5 credit)

Designed to improve students' skills of argument and persuasion through the development of a case for trial. The course will begin with exercises in argumentative writing and a review of basic civil and criminal procedure. Students will practice various aspects of trial procedure, including opening statements, direct and cross-examination of witnesses, and closing arguments. While the final exam will be performance in the trial, there will be several writing assignments throughout the semester.

### Business and Technology Internship (.5 credit)

This course provides junior and senior students the opportunity to apply what they have learned in Business and Technology classes to real world situations and allow them to obtain valuable work experience. Students must complete an application to be approved by a faculty member in the Business and Technology Department and an administrator. The application will outline the work to be completed by the student, the hours in which the students will work, and the name of the student's supervisor. The student will be responsible for completing at least 70 hours of work in the internship in the fall semester and 75 hours in the spring semester. Both the student and the supervisor must complete an evaluation by the end of the semester for the student to obtain credit. ***(Approval by department and administrator; proof of acceptance into an approved internship program; may repeat for additional credit (4 semesters max).)***

## TECHNOLOGY COURSES

Course Title	Grade	Length	Credit
Advanced Digital Media I-IV	10, 11, 12	Semester	0.5
Graphic Design Software	All	Semester	0.5
Video Editing & Special Effects	All	Semester	0.5

### Advanced Digital Media I-IV (.5 credit)

Designed for students who have reached the highest level of study in one or more LCA digital media courses. This course will allow students to exercise their talents in one or more areas of digital media and learn skills while working both as an individual and in teams on real-world projects. This course is designed to build teamwork and entrepreneurial skills. Students who desire to pursue higher education in digital media or technology can begin to build their professional portfolio. Can be taken up to four (4) times for credit, listed on transcript as Advanced Digital Media I, II, III, IV. **(Pre-requisite: Digital Photography II or BOTH Graphic Design Software and Video Editing & Special Effects AND department approval)**

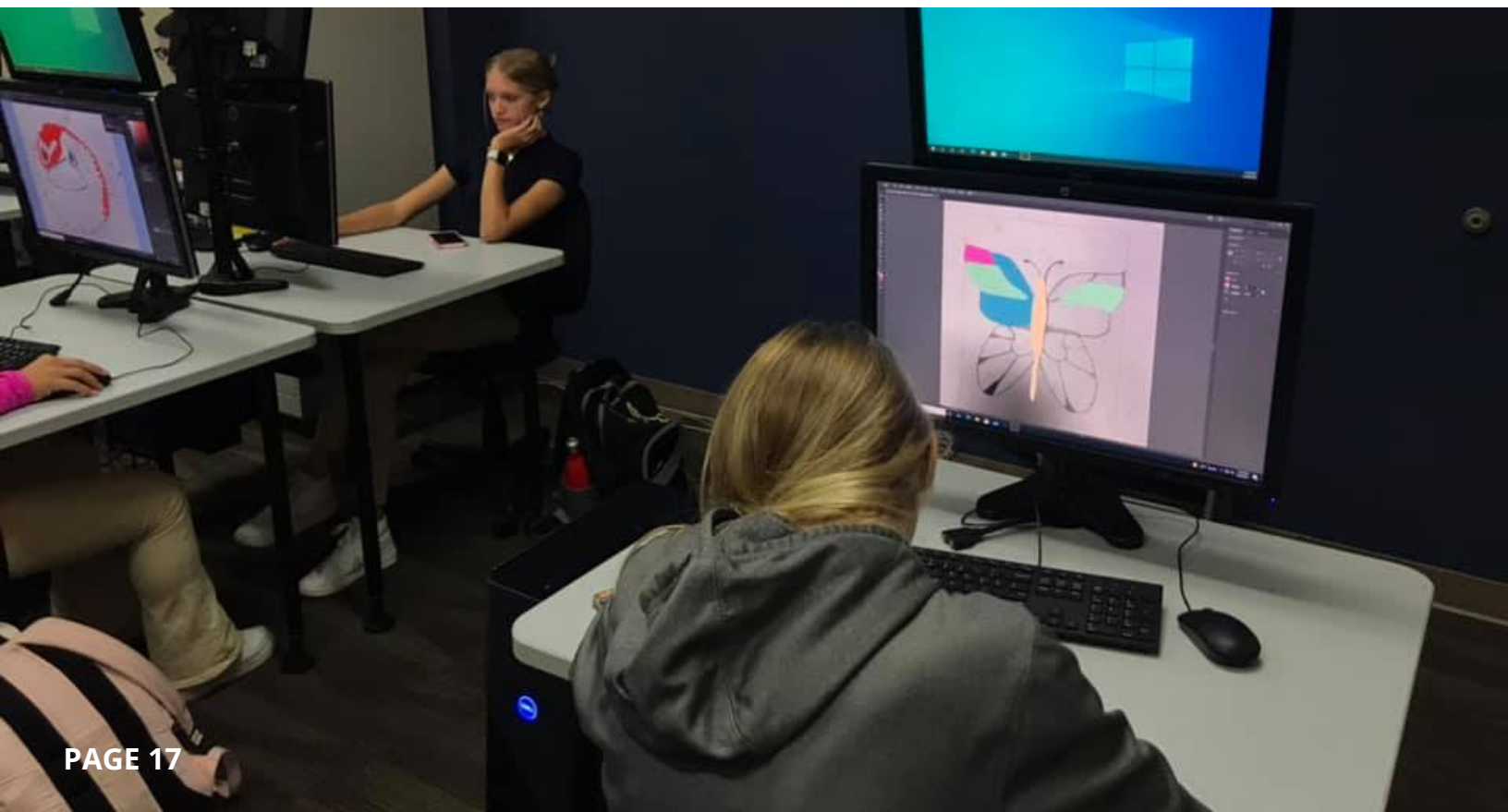
### Graphic Design Software (.5 credit)

Focuses upon the use of computer software as it relates to design layout, and conceptual elements concerning graphic design. Lessons will cover the basics of computer generated graphic design, layout, typography, color, and vectors. Some topics covered will be: advertising or product creation, animation, and logo design. Students will gain a strong foundation in Adobe's design software.

### Video Editing & Special Effects (.5 credit)

This course is designed to introduce students to the materials, processes, and artistic techniques involved in video productions and special effects. The emphasis will be on editing, rather than shooting video. Topics covered will be: the history of film editing, non-linear editing software, types of cuts, transitions, and manipulation of video with software. Students will learn to use Adobe: Premiere Pro and After Effects to properly edit their creative projects. Students will be expected to film outside of class for group and individual projects.

**(Prerequisite: Graphic Design Software OR Digital Photography I)**





# COMMUNICATIONS

## Public Speaking (.5 credit)

This course will introduce the students to the fundamentals of public speaking. Students will be guided through all steps of the speech writing process including researching, outlining, and delivering a speech. Students will give an array of speeches that will enhance their articulation and comfort with the art of elocution. This graduation requirement must be completed in-person in LCA's class.

Course Title	Grade	Length	Credit
Public Speaking	11, 12	Semester	0.5

## Public Speaking Online (.5 credit)

***This course is not available upon request.***

Students may be placed in the course in an online environment only upon recommendation of the counselor or registrar and with principal approval when irreconcilable scheduling conflicts prohibit placement in a classroom section.



# ENGINEERING

Course Title	Grade	Length	Credit
Application Design & Programming I: Python	All	Semester	0.5
Application Design & Programming I: C++	All	Semester	0.5
PLTW Introduction to Engineering	All	Year	1
PLTW Principles of Engineering	10, 11, 12	Year	1
AP Computer Science	10, 11, 12	Year	1
AP Physics	12	Year	1

## Application Design & Programming I: Python (.5 credit)

This course provides students with an opportunity to learn the fundamentals of programming using Python. Python is a general-purpose, interpreted high-level programming language whose design philosophy emphasizes code readability. No prior programming experience is required, but a good working knowledge of the computer system is required. Students will learn Python concepts and design through hands-on examples which will aid them in preparation for the C++ and AP Computer Science Java classes.

## Application Design & Programming II: C++ (.5 credit)

This course provides students with an opportunity to build their programming skills and fundamentals using C++. C++ is a statically typed, free-form, multi-paradigm, compiled, general purpose programming language. It is regarded as an intermediate-level language, as it comprises a combination of both high-level and low-level language features. Students will learn C++ programming concepts and design through hands-on examples which will aid them in preparation for the AP Computer Science Principles class. **(Requirement: Concurrent Geometry or higher math; minimum of B in App Design I: Python)**

## Introduction to Engineering Design (1 credit)

Students dig deep into the engineering design process, applying math, science and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software AutoDesk Inventor, and use an engineering notebook to document their work. This course is Project Lead the Way class (PLTW).

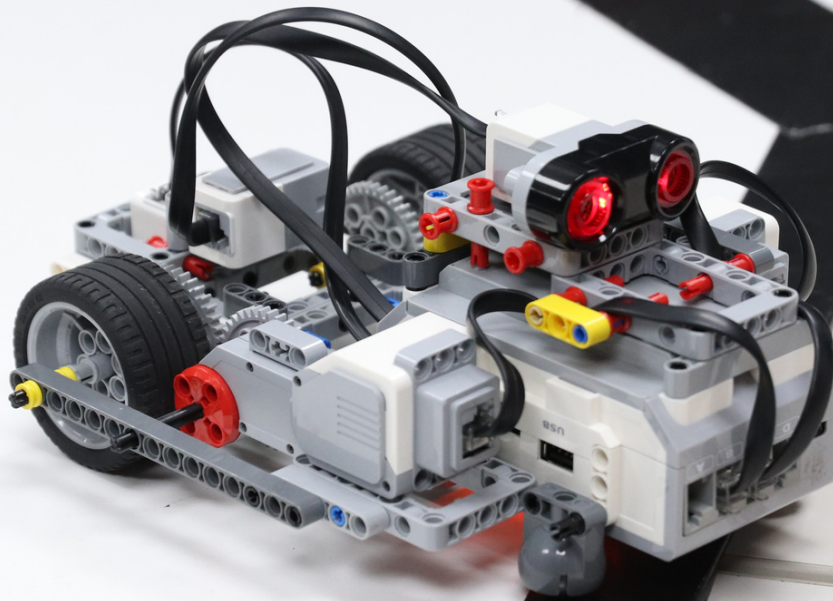
**(Requirement: Concurrent Geometry or higher math)**

## Principles of Engineering (1 credit)

Students explore a broad range of engineering topics including mechanisms, strength of structure, and automation, and then they apply what they know to take on challenges like designing a self-powered car. **(Requirement: Concurrent Geometry or higher math)**

## AP Computer Science A (1 credit)

This full-year course provides students with an opportunity to learn the fundamentals of programming using Java. No prior programming experience is required but highly recommended. A good working knowledge of the computer system as a whole is required. Students will learn Java concepts through hands-on examples which will aid them in preparation for the AP Computer Science A exam. **(Requirement: Concurrent Precalculus; B both semesters of Algebra II or C both semesters of Honors Algebra II; department approval)**





# ENGLISH

Course Title	Grade	Length	Credit
English I	9	Year	1
Honors English I	9	Year	1
English II	10	Year	1
Honors English II	10	Year	1
English III	11	Year	1
AP English Language & Composition	11	Year	1
English IV	12	Year	1
AP English Literature	12	Year	1
Dual Credit English (ENG 101 and ENG 102, paired)	12	Semester	.5
Journalism - News		Year	1
Journalism - Yearbook		Year	1

## English I (1 credit)

Focuses on further developing students' skills in reading, writing, listening, speaking, vocabulary and critical thinking using a variety of activities. Students will be exposed to various forms of literature; including but not limited to, short stories, poetry, and novels dealing with universal themes. The student will develop several formal essays and one analytical research paper.

## Honors English I (1 credit)

Designed for the student seeking a greater challenge in English. The course will develop and advance students' skills in reading, writing, listening, speaking, vocabulary and critical thinking using a variety of activities. Students will be exposed to various forms of literature; including but not limited to, short stories, poetry, and novels dealing with universal themes. The student will develop several formal essays, one analytical research paper, and timed writings. Students taking honors course should expect additional demands on time, personal organization, and commitment.

**(Requirement: (Grade 9)**

**A in English 8 or B (85%) in Advanced English 8; 90% minimum Composition score; 8th grade teacher recommendation.)**

## English II (1 credit)

This course focuses on further developing students' skills in reading, writing, listening, speaking, and critical thinking using a variety of activities. The focus of this class is world literature. Students will be expected to read and respond to a variety of literature, including but not limited to, prose, poetry, and novels. The study of language in use – grammar, mechanics, sentence structure, vocabulary, and usage will be incorporated into the course as well. The student will develop formal essays, one analytical research paper, and timed writings.

## Honors English II (1 credit)

World literature course designed for the student seeing a greater challenge in English. Focuses on further developing skills in reading, writing, listening, speaking, vocabulary, and critical thinking using a variety of activities. This course will challenge the students to critique authors and their styles. Composition assignments will require students to compare and contrast various authors and literary writings including poetry and prose. Includes several formal essays, timed writings, and an analytical research paper. Students taking Honors course should expect additional demands on time, personal organization, and commitment. **(Requirement: A in English I or B (85%) in Honors English I; 90% Composition score; department approval,)**

## English III (1 credit)

American literature course focusing on the chronological development of American writings and ideas. Major themes include authenticity, freedom, family and pursuit of faith. Students will write several formal essays, timed writings, and an analytical research paper. The study of language in use – grammar, mechanics, sentence structure, vocabulary, and usage will be incorporated into the course as well.

### **AP English Language and Composition (1 credit)**

This course challenges students beyond the expectations of the English III course. Focus is placed on making students aware of the interaction between the subject and a writer's purposes as well as audience expectations. Students will learn how grammar and usage contribute to effectiveness in writing. Students will read and write about subjects from a variety of disciplines with an emphasis on expository, analytical, and argumentative writing. Additionally, students will also compose their college application essay. Finally, students will research primary and secondary documents carefully synthesizing material from these texts in their own compositions. Students taking AP course should expect additional demands on time, personal organization, and commitment. Upon completion of this course, students will have the opportunity to sit for the AP English Language & Composition exam.

**(Requirement: A both semesters of English II or B (85%) both semester of Honors English II; PSAT EBRW 550 or higher, SAT ERBW score 1000 or ACT English 22 or higher; department approval.)**

### **English IV (1 credit)**

Focuses on the history of English literature. Students will become skilled readers of a wide range of literature including, but not limited to, novels, prose and poetry. Students will be expected to read and respond to a variety of literature, independently, in group discussion, and in writing. All facets of language arts – listening, speaking, reading, and writing will be covered. The study of language in use – grammar, mechanics, sentence structure, vocabulary, and usage will be incorporated into the course as well. Students will compose several formal essays and an analytical research paper. Timed writings may also be incorporated into the curriculum.

### **AP English Literature and Composition (1 credit)**

Challenges students beyond the expectations of the English IV course. Students will thoroughly analyze both prose and poetry and are expected to participate in classroom discussions. Students will read several novels and plays, in addition to other selections. Several timed writings will be composed each semester. Analysis of literature through expository, analytical and argumentative essays will be conducted. Students will also compose their college application essay. Students taking AP course should expect additional demands on time, personal organization, and commitment. Upon completion of this course, students will have the opportunity to sit for the AP English Literature exam. **(Requirement: A both semesters English III or B (85%) both semesters AP English Language; SAT Reading 500 or higher or PSAT EBRW 550 or higher or ACT English 22 or higher; department approval.)**

### **Dual Credit English (ENG 101 and ENG 102)**

Admission to Dual Credit partner college/university.

#### **ENG 101 (.5 credit)**

This is a semester-long course offered in the fall semester, which focuses on academic writing. It provides instruction in drafting and revising essays that express ideas in Standard English, including reading critically, thinking logically, responding to texts, addressing specific audiences, and researching and documenting sources. Successful completion of this course will allow students to transfer credit from the providing institution to any college or university they want to attend.

#### **ENG 102 (.5 credit)**

This is a semester-long course, offered in the spring, which emphasizes argumentative writing. It provides further instruction in drafting and systematically revising essays that express ideas in Standard English. Includes continued instruction and practice in reading critically, thinking logically, responding to texts, addressing specific audiences, and researching and documenting credible academic sources. Successful completion of this course will allow students to transfer credit from the providing institution to any college or university they want to attend.





### **Journalism/News (1 credit)**

This is a production-based course. This is a year-long course with an emphasis on the study of journalism, journalistic writing, photojournalism, and modern journalistic literature. Students will be exposed to traditional newspaper journalism through story generating, writing, designing, advertising and the editing process. Students will learn the fundamentals of news, feature, editorial and sports writing. Copy reading, news style and editing will be stressed. Students will create numerous original stories using varied structures and writing techniques. Students will be required to observe and meet deadlines. Students will be responsible for the production, publication, and marketing of the school newspaper, The Talon. The newspaper may be produced and published electronically. The class will involve some after-school work.

### **Journalism/Yearbook (1 credit)**

This is a production-based course. This is a year-long course with an emphasis on the study of journalism, journalistic writing, photojournalism, and modern journalistic literature. Students will be exposed to yearbook (magazine) journalism through story generating, writing, designing, advertising and the editing process. Students will be required to observe and meet deadlines. Students will be responsible for the production, publication, and marketing of the school yearbook. Some after-school work.

# FINE ARTS – VISUAL

## 2-D Art I-III (.5 credit)

2-D Art focuses on art techniques appropriate for the understanding, planning and creation of any and all two-dimensional artwork.

- 2-D I focuses on basic techniques as well as 2-D artists and cultural uses for 2-D art.
- 2-D II continues to develop 2-D techniques taught in 2-D I, introduces new 2-D techniques and also introduce concept development
- 2-D III further development of 2-D artwork, with potential AP Studio 2-D portfolio development

**(Course level placement determined by previous Studio Art course and instructor)**

## 3-D Art I-III (.5 credit)

3-D Art focuses on art techniques appropriate for the understanding, planning and creation of any and all three-dimensional artwork (sculpture and ceramic).

- 3-D Art I focuses on basic techniques as well as 3-D artists and cultural uses for 3-D art.
- 3-D II continues to develop 3-D techniques taught in 3-D I, introduces new 3-D techniques and also introduces concept development.
- 3-D III further development of 3-D artwork, with potential AP Studio 3-D portfolio development

**(Course level placement determined by previous Studio Art course and instructor)**

## Advanced Studio Art (.5 credit)

This is an independent study course, which enable students to explore a particular art form in more detail and depth than other courses. Advancing skills, building confidence for professional showings or portfolio submission, and gaining experience in public performances or displays are emphasized. Career opportunities are explored. This class can be taken multiple times for credit.

**(Requirement: Four studio art courses; instructor approval; may be repeated for additional credit)**

## AP Art History (1 credit)

This course is designed to allow students to examine major forms of artistic expression relevant to a variety of cultures evident in wide variety of periods from present times into the past. Students acquire an ability to examine works of art critically, with intelligence and sensitivity, and to articulate their thoughts and experiences. **(Required: Instructor approval.)**

Course Title	Grade	Length	Credit
2-D Art I-III	All	Semester	0.5
3-D Art I-III	All	Semester	0.5
Digital Photography I	All	Semester	0.5
Digital Photography II	All	Semester	0.5
Printmaking	All	Semester	0.5
Advanced Studio Art	11, 12	Semester	0.5
History of the Visual & Performing Arts	11, 12	Semester	0.5
AP Art History	10, 11, 12	Year	1
AP Studio Art	11, 12	Year	1

### Notes:

- **Studio Art courses include a fee for materials, which is billed to the student's account.**
- **AP Art History can only be taken once.**

## AP Studio Art (1 credit)

This course is an advanced class that will challenge the student to achieve a completed portfolio. Students must choose one area of focus: 2-D, 3-D, or drawing. The 24 pieces will come out of studies done within that focus. This portfolio will be turned in and graded by AP instructors **(Requirement: Minimum two years of previous studio art courses; portfolio of three (3) art pieces for teacher approval)**

## History of the Visual and Performing Arts (.5 credit)

This course will outline the history of visual and performing arts, draw connections between them, and integrate students' understanding of world history. Students will trace music, dance, drama, and visual art form from creation to the contemporary era using existing works. They will also incorporate characteristics of works from various cultures and time periods to create their own pieces of art and/or music. This course will be individualized to focus on student's specific art form (instrumental, vocal music, or visual art). **(Prerequisite: four studio art courses; instructor approval)**

## Printmaking (.5 credit)

Covers a variety of printmaking processes and techniques (e.g., monoprint, collagraphy, etching, woodcut, linoleum cut, stencils, and screen print). Course emphasizes principles and elements of design. May include historical development of Western and non-Western cultures.







# FINE ARTS - VISUAL

## **Digital Photography I (.5 credit)**

This course provides students with a creative outlet in the medium of photography, opportunities to learn more about the art of photography, and gain practical experience as photographers. Students will be required to take photographs with DSLRs or any type of camera with manual functions. Course material will consist of technical aspects of photography such as shutter speed, aperture, and ISO. This course will also give students the opportunity to learn about a possible future in photography and the ethical, artistic, and educational implications of such a career.

## **Digital Photography II (.5 credit)**

The course provides students with a creative outlet in the medium of photography, opportunities to learn more about the art of photography, and gain practical experience as photographers. Students will be required to take photographs with DSLRs or any type of camera with manual functions. Course material will consist of technical aspects of photography such as shutter speed, aperture, and ISO. This course will also give students the opportunity to learn about a possible future in photography and the ethical, artistic, and educational implications of such a career. **(Pre-requisite: Digital Photography I) Students must own or have access to a digital camera with manual function.)**





# FINE ARTS - PERFORMING

Course Title	Grade	Length	Credit
Drama I, II	All	Semester	0.5
Chorus	All	Year	1
Instrumental Music	All	Year	1
Piano	All	Semester	0.5
Guitar	All	Semester	0.5
History of Visual & Performing Arts	11, 12	Semester	0.5
AP Music Theory	11, 12	Year	1

## AP Music Theory (1 credit)

This course will introduce students to the beginning concepts of music theory, the building blocks of music. Course content will include the elements of music (harmony, form, rhythm, melody, timbre, tempo, and dynamics), analysis of music, basic composition, aural skills, and music history. Reading music at a high level is needed for this course. At the completion of this course, student will be able to participate in the AP Music Theory exam and attempt to earn college credit.

## Band (1 credit)

Students will learn through individual and group instruction. Individual instruction is offered based on the student's level, while group instruction is geared toward higher-level students. Help will be given to any intermediate students to help them achieve the goals for class. Instrumental Music is the core of the Concert Band and extracurricular components like the Pep Band, Percussion Ensemble, Stage Show/Stomp Groups, and the LCA Mod Squad (the modern music group which includes worship music and many styles of contemporary music). A number of after-school rehearsals and performances are required for the extracurricular components. ***(This course may be repeated for additional credit or may be taken for one semester with instructor approval. There is a fee associated with the course.)***

## Chorus (1 credit)

This course presents group instruction in vocal technique and music concepts. Students will be exposed to contemporary as well as traditional music. Course also teaches musical fundamentals such as sight singing, dynamics, and harmonic intervals. One or more performances per quarter are required. ***(This course may be repeated for additional credit or may be taken for one semester with instructor approval. There is a fee associated with the course.)***







#### **Drama I (1 credit)**

This course emphasizes communication and writing skills through drama. Content will include theater history, acting techniques, improvisational skills and performance poise. Students will be expected to perform individually and in groups and will be acting in scenes that are prewritten works as well as those they create themselves. ***(This course may be taken for one semester, upon request.)***

#### **Drama II (1 credit)**

This course builds upon the foundations from Drama I, It is designed for the more advanced drama student. In addition to familiar topics such as acting and improvisation, we will dive into more advanced theater techniques including stage combat, special effects makeup for costuming, prop creation, sound effects and foley work, directing, audition techniques, and advanced lighting and stage design. We will seat at least one live theater performance as a class, travel together and ultimately produce a student-run live stage production for an audience. ***(This course may be taken for one semester, upon request.)***

#### **Guitar (.5 credit)**

This course is designed to teach the concepts and fundamentals needed to perform on the guitar. It will increase musical understanding and literacy as students learn to play melodies, chords in various keys, accompaniment patterns, and improvisational techniques. This is a beginner-level course but can be taken by advanced students with additional coursework. Students will be expected to practice outside of class at least one hour weekly. ***(Student must own or have access to a guitar for required practice outside of class.)***

#### **Piano (.5 credit)**

This course teaches the concepts and fundamentals needed to perform on the piano. It will increase musical understanding and literacy as students learn to play melodies, chords in various keys, accompaniment patterns, and improvisational techniques. This is a beginner-level course, but may be taken by advanced students with additional coursework. Students will be expected to practice outside of class at least one hour weekly. ***(Student must own or have access to a piano for required practice outside of class.)***



# KINETIC WELLNESS

## **General Physical Education (.5 credit)**

This course is designed to provide the student with a background in developing a total fitness program. Daily lessons include warm-up activities, calisthenics, and introductory games for team sports. Basic fundamentals, general rules, and a brief history of each sport are included. Emphasis is also placed on cardiovascular and skill development.

Course Title	Grade	Length	Credit
General Phys Ed	9	Semester	0.5
Health	9	Semester	0.5
Physical Wellness	All	Semester	0.5

## **Health (.5 credit)**

This course is designed to equip students in many practical areas of the Christian life. Topics covered include a review of body systems, sexual reproduction, first aid, substance abuse, relationships, disease/personal hygiene, mental/emotional health, and nutrition.

## **Physical Wellness (.5 credit)**

This course challenges students in areas pertaining to physical wellness and health. Students will learn proper weight training techniques and receive instruction on how outside factors such as nutrition, sleep, and hydration affect a body in training. In addition to physical training, there is an emphasis on spiritual strength and character development.



# MATHEMATICS

## Algebra I (1 credit)

Algebra I is a basic high school mathematics course. The course's focus is on the use of positive and negative real numbers, variables, and their use in expressions and equations, word problems, and linear equations.

## Geometry (1 credit)

Geometry is a college-preparatory course, which seeks to improve spatial visualization skills as well as logical reasoning. It is a key course in preparation for college entrance examinations. Topics to be covered include area, volume, parallel lines, congruency, proofs, right triangles, and circles. **(Prerequisite: Algebra I)**

## Honors Geometry (1 credit)

General content mirrors the college prep-level Geometry course. Topical areas will be examined in greater depth and at a more rapid pace. In addition, a greater emphasis will be placed on writing geometric proofs. **(Prerequisite: A in 8th grade Algebra I)**

## Algebra II (1 credit)

Algebra II is a college-preparatory course. The student will not only extend knowledge from Algebra I but will also add new topics. Topics to be covered include quadratic equations, radical expressions, logarithmic and exponential functions, trigonometric functions, solving systems of equations, imaginary numbers, and introductory Trigonometry. **(Prerequisite: Geometry)**

## Honors Algebra II (1 credit)

The general content of this course will mirror that of Algebra II. Topical areas will be examined in greater depth and at a more rapid pace. Homework expectations will be greater. **(Prerequisite: A in Algebra I and Geometry taken in either High School or Junior High School)**

Course Title	Grade	Length	Credit
Algebra I	8, 9	Year	1
Honors Geometry	8, 9	Year	1
Geometry	9, 10	Year	1
Algebra II	9, 10, 11	Year	1
Honors Algebra II	9, 10, 11	Year	1
Algebra III/ Trigonometry	10, 11, 12	Year	1
Statistics	10, 11, 12	Year	1
Dual Credit Math (College Algebra & College Trigonometry, paired)	11, 12	Semester	0.5 each
Precalculus	10, 11, 12	Year	1
Honors Precalculus	10, 11, 12	Year	1
Calculus	11, 12	Year	1
AP Calculus AB	11, 12	Year	1
AP Calculus BC	12	Year	1
AP Statistics	10, 11, 12	Year	1

## Algebra III/Trigonometry (1 credit)

This course reinforces algebraic skills, extends the level of exponential and logarithmic instruction and begins an introduction into trigonometric functions, graphing these functions, the unit circle, and verification of identities. This will make entry into a Precalculus class easier and also make it possible to enter a business calculus class successfully at the college level without the need for a trigonometric class prior to entering Business Calculus. This course is designed to benefit the student planning on advancing to college and studying any fields associated with business, science, math, statistics, technology or health. **(Prerequisite: Algebra II; cannot be taken after completing Precalculus, Calculus or Dual Credit MAT 150/155.)**

## Statistics (1 credit)

This course is designed to offer a continued study of quantitative thinking in the areas of statistics and probability. Students will be introduced to the major concepts and tools for collecting and analyzing data as it relates to four conceptual themes: exploring data, sampling and experimentation, anticipating patterns and statistical inference. **(Prerequisite: Algebra II)**





# MATHEMATICS

## Precalculus (1 credit)

Precalculus is designed for college-bound students. It offers an extension of algebraic study into the topics of functions, trigonometry, exponents, logarithms, and conic sections. An emphasis is placed on graphing throughout the course. **(Prerequisite: Algebra II)**

## Honors Precalculus (1 credit)

Honors Precalculus will cover all material that is within a regular Precalculus class. It is assumed that almost no time will be required for general algebra review. Honors Precalculus will cover limits and parametric equations which will enable students to begin AP Calculus at chapter 2 –omitting the review chapter and the first chapter on limits. If possible, an introduction into series and sequences will be started. **(Prerequisite: 85% in Algebra III/Trigonometry or 80% in Honors Algebra II)**

## Calculus (1 credit)

This is a college level mathematics course that cover similar topics to the AP Calculus AB course, yet moves at a much slower pace. **(Prerequisite: 88% or higher in Precalculus or B or higher in Honors Precalculus or Dual Credit MAT 150/155)**

## MAT 150 College Algebra (.5 credit)

**MUST PAIR WITH MAT 155.** This course includes selected topics in algebra and analytic geometry. It develops manipulative skills and concepts required for further study in mathematics. Includes linear, quadratic, polynomial, rational, exponential, logarithmic and piecewise functions, systems of equations, and an introduction to analytic geometry. **(Prerequisite: B or higher in Honors Precalculus, A in Precalculus or Algebra III/Trigonometry; partner college admission; additional fee required.)**

## MAT 155 College Trigonometry (.5 credit)

**MUST PAIR WITH MATH 150.** This course includes the trigonometric functions, identities, multiple analytic formulas, laws of sines and cosines, graphs of trigonometric functions in rectangular and polar coordinates, and solving trigonometric equations. Emphasizes applications in each topic. **(Prerequisite: MAT 150; partner college admission; additional fee required.)**

## AP Calculus AB (1 credit)

AP Calculus AB is a college level mathematics course that offers the opportunity for college credit upon completion. Topics to be covered include limits, derivatives, and integrals. Students should anticipate spending more time studying outside of class than is normally expended. Some summer preparation and review are expected. **(Prerequisite: 94% in both semesters of Precalculus or 88% in both semesters of Honors Precalculus)**

## AP Calculus BC (1 credit)

AP Calculus BC is a college level mathematics course that offers the opportunity for college credit for two semesters of Calculus. Topics include limits, derivatives, and all methods of integration, as well as series and sequences and their convergence and divergence. It will include the Taylor series and the McClaurin series. Students should anticipate spending more time with homework outside of class than is normally expected. Pace of the class will be set to allow for preparation for the exam in early May. Students taking the BC exam will have an AB sub score so that if the BC is not passed it is possible to still pass the AB exam. Students having previously passed the AB exam may sit for the BC exam and try to get credit for the second Calculus course at the college level. **(Prerequisite: 77% or higher in AP Calculus AB)**

## AP Statistics (1 credit)

AP Statistics is a college level mathematics course that provides the opportunity for college credit for one semester of Statistics. Topics include describing and exploring data, sampling, and experimentation, anticipating patterns, and statistical inference. Students are expected and required to apply critical reading and writing skills which distinguishes the course from other math topics. Students should anticipate spending significant time with homework outside of class to prepare for the AP exam in early May. **(Prerequisite: 80% in AP Calculus or 88% in Honors Precalculus)**





# SCIENCE

Course Title	Grade	Length	Credit
Biology	9, 10	Year	1
Honors Biology	9, 10	Year	1
Conceptual Physics	10	Year	1
Chemistry	10, 11	Year	1
Honors Chemistry	10, 11	Year	1
Anatomy	11, 12	Semester	0.5
Honors Anatomy	10, 11, 12	Year	1
Forensics	11, 12	Semester	0.5
Genetics	11, 12	Semester	0.5
Microbiology	11, 12	Semester	0.5
AP Biology	11, 12	Year	1
AP Chemistry	11, 12	Year	1
AP Physics	11, 12	Year	1

## Biology (1 credit)

Students will develop a clear understanding of biological concepts, the use of important scientific processes in the laboratory, and proficiency in creative and critical problem solving. Included will be a correlation of Scripture and science along with an appreciation of God's order in the world.

## Honors Biology (1 credit)

This course is taught at an accelerated and in-depth pace. Honors Bio prepares students for AP Biology. Topics covered include those from the regular Biology as well as evolution (in depth), metabolism and molecular genetics. **(Prerequisite: A in 8th grade Physical Science; 90% in Algebra I or 85% in Geometry.)**

## Conceptual Physics (1 credit)

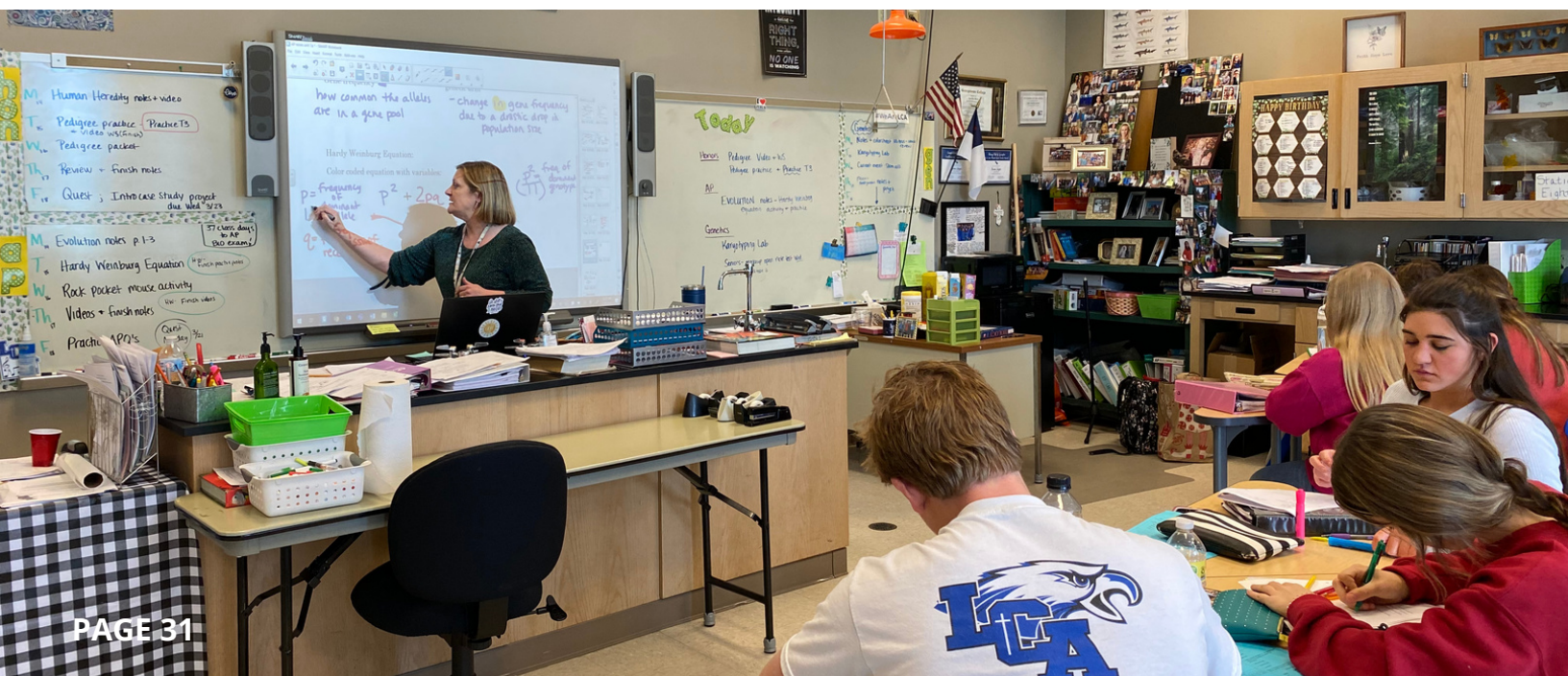
Designed to introduce students to Physics, applying the science content to math concepts learned in Algebra I. Through projects and problem-solving, students will explore Newton's Laws of Motion, momentum and collisions, rotational motion, heat, electricity, and waves. Students will develop a deep, conceptual understanding of physics as they explore how physics relates to the real world. **(Prerequisite: Completed Algebra I; concurrent enrollment in Geometry.)**

## Chemistry (1 credit)

The objective of this course is to gain an understanding of how God is the "designer" of chemistry. Students will develop critical thinking and problem-solving skills. Topics include atomic structure, chemical formulae and equations, the periodic table, and gas laws. Laboratory experiences are integrated throughout. **(Prerequisite: Completed Geometry; concurrent enrollment in Algebra II.)**

## Honors Chemistry (1 credit)

This course is taught at an accelerated pace. Honors Chemistry prepares students for AP Chemistry. Topics include those from the regular Chemistry course, in addition to acids and base equilibria, Reaction Rates, Oxidation reduction reactions, among others. Students must take this course, and earn at least a B each semester, to be permitted to enroll in AP Chemistry. **(Prerequisite: B (85%) in Honors Biology and B (85%) in Geometry or A (90%) in Biology and B (85%) in Geometry; concurrent enrollment in Algebra II.)**





### AP Biology (1 credit)

AP Biology is designed to be the equivalent of a two semester, first-year, college biology course taken by biology majors. Students will prepare to take the AP exam for college credit. Cover cellular and molecular biology, biochemistry, heredity, evolution, populations, and ecology. AP Bio is designed to be taken after completion of Chemistry and Biology. Students who have taken Physical Science and Honors Biology may take AP Bio concurrent with Chemistry, AP Chemistry. **(Prerequisite: B each semester in Honors Biology or A each semester in Biology or Chemistry; and department approval. Sophomores must take concurrent Honors Chemistry and have department approval.)**

### AP Chemistry (1 credit)

AP Chemistry is a college-level science course that offers the opportunity for college credit upon completion. Topics covered include thermochemistry, atomic structure, oxidation-reduction reactions, and chemical equilibrium. Upon completion of this course, students will have the opportunity to sit for the AP Chemistry exam attempting to earn college credit. Students must be willing to spend time working outside of class and be committed to some independent study. **(Prerequisite: A each semester of Chemistry or B in Honors Chemistry; A in Algebra II; completion of or concurrent enrollment in Precalculus; department approval.)**

### Anatomy (.5 credit)

This course focuses is on human anatomy and physiology, an expected background course for those students pursuing health-related or scientific careers. The scope of this course is the human body and its functions. **(Prerequisite: Biology)**

### Honors Anatomy (1 credit)

Honors Anatomy is a full-year course taught at an accelerated rate and in-depth pace, with a lab force. The course prepares students intending to pursue health-related careers. Topics covered include those from CP Anatomy, as well as additional body systems and genetics. **(Sophomores may take with department approval; juniors and seniors have scheduling priority.)**

### Forensics (.5 credit)

Surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist. Through virtual and hands-on labs and analysis of fictional crime scenarios, students will learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions. **(Prerequisite: Biology)**

### Genetics (.5 credit)

This semester course deals structure and function of DNA, human genetic disease, biotechnology, and ethical issues in genetics. Labs will focus on biotechnology skills such as electrophoresis and genetic crosses of organisms such as plants and fruit flies. **(Prerequisite: Biology)**

### Microbiology (.5 credit)

This semester course details the groups of bacteria and viruses with an emphasis on their role in human disease. Labs will focus on aseptic technique, gram staining and disease prevention. **(Prerequisite: Biology)**

### AP Physics C: Mechanics (1 credit)

AP Physics C: Mechanics is a calculus-based, college-level physics course. It covers kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation. **(Prerequisite: A in Precalculus or B (85%) in Honors Precalculus)**





# SOCIAL SCIENCES

## **World Civilizations (1 credit)**

This course is a study of the major events in the history of humankind, beginning with a study of man's first civilization and moving on to the 20th century. A special focus will be on European and Middle Eastern history, including a study of their ideas and impact on history.

## **AP World History: Modern (1 credit)**

This course will allow students to investigate significant event, individuals, developments, and process from approximately 1200 C.E. to the present. Students will develop and use skills, practices, and methods to analyze primary and secondary sources, making historical comparisons, utilizing reasoning about contextualization, causation, continuity and change over time, and developing historical arguments. Students will make connections among historical developments in different times and places by examining the interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures.

**(Prerequisite: A in 8th grade Social Studies; department approval)**

Course Title	Grade	Length	Credit
World Civilizations	10	Year	1
AP World History: Modern	10	Year	1
US History	11	Year	1
AP US History	11	Year	1
American Government	12	Semester	0.5
AP US Government & Politics	12	Semester	0.5
Economics	12	Semester	0.5
AP Economics (Macro/Micro)	12	Year	1
AP Human Geography	All	Year	1
AP Psychology	11, 12	Year	1

## **US History (1 credit)**

US History will focus on the main people, events, and themes that have shaped United States history from Reconstruction to present day and God's role in the development of the country.





### **AP US History (1 credit)**

In this college-level course, students will cover the same time period and events as US History 11 (1492-present) but with greater emphasis on primary source analysis and synthesis. Writing and discussion are integral components of this course. This course moves fast, so outside reading and note-taking is essential. Upon completion, students will have the opportunity to sit for the AP United States History exam, to attempt to earn college credit.

**(Prerequisite: A in both semesters of World Civilization or B (85%) in AP World History: Modern; department approval)**

### **American Government (.5 credit)**

This course will focus on the political systems found in the US Government. It will give a general overview of differing political philosophies with a special emphasis on those that influenced the development of the Constitution. Topics will then move directly into the operation of our government, specifically the development of powers of the Legislative, Executive and Judicial Branches.

### **AP US Government and Politics (1 credit)**

In this course, students will study the key concepts and institutions of the political system and culture of the United States. Units include Foundations of American Democracy, Interactions Among the Branches of Government, Civil Liberties and Civil Rights, Political Ideologies and Beliefs and Political Participation. Students will read key documents in US government and complete a research or applied civics project. At the end of this course, students may elect to take the AP exam.

**(Prerequisite: Department approval)**

### **Economics (.5 credit)**

In this course, students will study two broad areas: microeconomics & macroeconomics. Microeconomics focuses on basic economics principles as well as a study of individual areas such as household finance and budget. Macroeconomics will focus more on the systemic forces that drive economies. Also discussed will be various types of economic structures, theories, and practices.

### **AP Microeconomics (fall) (.5 credit) AND AP Macroeconomics (spring) (.5 credit)**

**MUST BE TAKEN AS A PAIR.**

This course pairing covers both Microeconomics and Macroeconomics. It begins with outlining the basic principles of economics. It then moves into a study in Microeconomics, which includes the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the role of government in promoting greater efficiency and equity in the economy. Following that will be a study in Macroeconomics, which discusses the principles of economics that apply to an economic system. Such topics include a study of national income, price-level determination, economic performance measures, the financial sector, stabilization policies, economic growth and international economics. Students will be prepared to sit for BOTH the AP Microeconomics and AP Macroeconomics tests in the spring. **(Prerequisite: Algebra II; department approval.)**

### **AP Human Geography (1 credit)**

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. Specific topics include: The nature and perspectives of geography, population and migration, cultural patterns and processes, political organization of space, agriculture, industrialization and economic development, and cities and urban land use. **(Prerequisite: A in 8th grade Social Studies course; department approval.)**

### **AP Psychology (1 credit)**

This course introduces students to the systematic and scientific study of human behavior and mental processes. While considering psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas.

# WORLD LANGUAGE

## French I (1 credit)

The primary objective of this course is to enable students to acquire the basic skills necessary to begin communicating in French. Emphasis on all four language skills is included: listening, reading, speaking, and writing. Students will learn basic vocabulary and grammatical structures of the French language. French language will be the primary language in the classroom.

## French II (1 credit)

As an extension of French I, French II is designed to continue the development of comfortable communication and knowledge of the French language. A secondary objective is to begin to give students insight into the Francophone world. Students will continue vocabulary acquisition, grammar development, reading of Bible verses in French, and expanding their use of the French language in the classroom and in conversation. French language will be the primary language in the classroom.

## Honors French III (1 credit)

In this course emphasis is placed on reading, writing and conversational skills. Students will continue vocabulary and grammar development, but importance will be placed on using French to communicate. The course is conducted entirely in French.

Course Title	Grade	Length	Credit
French I	8, 9, 10, 11	Year	1
French II	All	Year	1
Honors French III	10, 11, 12	Year	1
Honor French IV	11, 12	Year	1
AP French Language	12	Year	1
Latin I	All	Year	1
Latin II	10, 11, 12	Year	1
Spanish I	8, 9, 10, 11	Year	1
Spanish II	All	Year	1
Honors Spanish III	10, 11, 12	Year	1
Honors Spanish IV	11, 12	Year	1
AP Spanish Language	11, 12	Year	1

## Honors French IV (1 credit)

This course is designed to continue the development of students' language skills and to approach fluency in French. Extensive grammar review and working with reading strategies will help prepare students for further studies in the language. History topics from prehistoric through Napoleon will be studied. The course is conducted entirely in French.



### **AP French Language (1 credit)**

AP French will increase the understanding of written and spoken French, as well as improve ability to respond in correct and idiomatic French. Upon completion of this course students will be at a level consistent with that of students who have completed three years (six semesters) of college courses in the French language and have the opportunity to sit for the AP French language exam to earn college credit.

### **Latin I (1 credit)**

The primary objectives of this course are to bring students to the point where they can read the Latin of classical authors with confidence. This course will enhance general language learning techniques, including facility with English and enhancement of English vocabulary. Students will develop awareness of the culture of the Romans, its historic significance for us as Christians and contemporary relevance.

### **Latin II (1 credit)**

This course will cover intermediate grammar and elements of composition so that students are able to read and write intermediate passages in Latin. They read aloud Latin passages for comprehension. The relationship of English to Latin is emphasized in vocabulary building, word derivation, and meanings of prefixes and suffixes. Points of grammar and syntax are developed through the study of classical literary passages. The geography, history, government and culture of Rome and the early Church are studied.

**(Prerequisite: Latin I)**

### **Spanish I (1 credit)**

The primary objective of this course is to enable students to acquire the basic skills necessary to begin communicating in Spanish. Emphasis on all four language skills is included: listening, reading, speaking, and writing. Students will learn basic vocabulary and grammatical structures of the Spanish language.

### **Spanish II (1 credit)**

Spanish II enables the student to become more comfortable communicating. Students practice conversation, vocabulary acquisition, and grammar development through speaking the Spanish language. Students become familiar with Spanish-speaking cultures as they practice listening, writing, reading, and speaking in Spanish. **(Prerequisite: Spanish I)**

### **Honors Spanish III (1 credit)**

Honors Spanish III emphasizes reading, writing, and conversational skills. Students will continue vocabulary and grammar development, but the importance will be placed on using Spanish to communicate. The Spanish language will be the primary language in the classroom. **(Prerequisite: B in both semesters of Spanish I and Sem 1 of Spanish II; and recommendation.)**

### **Honors Spanish IV (1 credit)**

Honors Spanish IV is an advanced level course that stresses a general appreciation of literature, writing and conversation. It also includes a comprehensive review of grammar. **(Prerequisite: B in both semesters of Spanish II and Semester 1 of Honors Spanish III; and recommendation.)**

### **AP Spanish Language (1 credit)**

In this course, students will read, speak and write in Spanish. The goal of this class is to become proficient in the Spanish language and culture. Six overarching themes will be studied: Families and Communities, Science and Technology, Beauty and Aesthetics, Contemporary Life, Global Challenges, Personal and Public Identities. At the end of the year, students will have the opportunity to take the AP Spanish Language and Culture Exam. **(Prerequisite: B in both semesters of Spanish IV; Seniors may advance from Spanish III to AP Spanish with added summer work.)**



# MISCELLANEOUS

## Teacher/Office Aide (.25 credit)

Assisting teachers and/or staff members with daily tasks, planning and communications. Aides are required to sign a confidentiality agreement and expected to be professional and discrete. Students will be removed from the TA course for violating confidentiality or at the supervisor's request. To obtain credit for this class, students will complete personal evaluations of work. May be repeated for additional credit. ***This course is pass/fail.***

## Chapel Tech Student Aide (.25 credit)

The chapel tech internship is a way for students to expand their technical skills while providing a valuable service to our school. Students will take a leadership role in providing technical support for chapel services and additional events as needed. Ideally, this student has experience with a/v equipment, lighting, and technology related to computer applications. Students will serve in the a/v booth before, during, and immediately after chapel to ensure audio, video, and other technological needs are met. To obtain credit for this class, students will complete personal evaluations of work. May be repeated for additional credit. ***This course is pass/fail. (Prerequisite: Student Life Director, principal and IT Department approval.)***

## Eagle IT Help Desk (.25 credit)

The Eagle IT Help Desk internship provides a way for students to expand their technology integration and proficiency, while providing a valuable service to the school. Students will take a leadership role in providing technology support, troubleshooting, and other computer resources for both students and teachers. To obtain credit for the class, the student must provide a personal evaluation of the work completed by the end of the semester. This evaluation must be signed by a member of the LCA IT staff. May be repeated for additional credit. ***This course is pass/fail. (Prerequisite: LCA IT Department approval.)***

## FLEX Support (.25 credit)

The FLEX seminar is a specialized course designed to support, encourage, and help students who are on an LCA Plan with structured study skills, note taking instruction, learner-type assessment and reflection, organization skills, time management skills, stress management, self-advocacy and responsibility, and future planning and goal setting. Student in this course will be required to keep a school planner. ***This course is pass/fail.***

Course Title	Grade	Length	Credit
Teacher/Office Aide	12	Semester	.25
Chapel Tech Student Aide	10, 11, 12	Semester	.25
Eagle IT Help Desk	11, 12	Semester	.25
FLEX Support	9, 10, 11, 12	Semester	.25
International Accelerated Study Abroad Focus: Christian Leadership	9, 10, 11, 12	Varies	.25
Leadership Forum	9, 10, 11, 12	Year	.25
Life Skills	9, 10, 11, 12	Year	.5
Study Hall	9, 10, 11, 12	Semester	0
Late Arrival	12	Semester	0
Work Release	12	Semester	0







### **International Accelerated Study Abroad Focus: Christian Leadership (.25 credit)**

Topics of study will vary based on the location, but may cover relationships, communication, worldviews, philosophy, culture, history and personalities. The course focuses on learning to be a Christian leader in a broken world and teaches students how to live a story worth telling and positively influence those around them. This course contains work required outside of class time, as well as one week of international travel (cost in addition to tuition) to a European/Asian country. Completion of all coursework is required for credit. Possible destinations: China, England, France, Germany/Czech Republic, Greece, Israel, Italy, or Poland Partner Organization: Global Next Leadership Institute ([www.globalnext.org](http://www.globalnext.org)).

### **Leadership Forum (.25 credit)**

Participants are expected to take part in the Leadership Forum throughout their high school tenure. Leadership Forum challenges students to learn and grow into better leaders through group discussion once a month and a yearly service project. **(Requirement: Application and acceptance into Leadership Forum.)**

### **Life Skills (.5 credit)**

This course introduces students to skills related to personal and professional growth and development, including but not limited to, goal setting, time and stress management, consumer management skills, nutrition and basic food preparation, and career assistance (resume, cover letter, interviewing, etc.). Additionally, this class will teach students how to effectively read their Bible. There will be a fee associated with this course.

### **Study Hall (0 credit)**

Students may opt to have a study hall during any semester, as long as they are on track with all academic requirements for graduation. Study hall is a monitored hour where students may complete homework, required reading, test review or other class projects. This opportunity is available so that students who are enrolled in a more rigorous course load or who have after-school commitments with church, athletics, employment, etc. may stay on top of their studies and reduce the evening time required for schoolwork.

### **Late Arrival (0 credit)**

Seniors who are on track to graduate, including fulfillment of all elective requirements, may be permitted to arrive at school prior to 2nd hour. Documentation of rationale for a late arrival is required prior to approval of the Late Arrival. Students are required to enter through the main doors and sign in at The High School Office every day upon arrival on campus. Detentions will be issued if students do not sign in daily. **(Requirement: Administrator approval.)**

### **Work Release (0 credit)**

Seniors who are on track to graduate, including fulfillment of all elective requirements, may be permitted to leave school after 6th hour to begin their afterschool employment. Documentation of employment is required prior to approval of the Work Release and students are required to sign out in the High School Office every day before leaving campus. **(Requirement: Administrator approval.)**

# ACADEMIC PATHWAYS

Beginning with the Class of 2025, LCA students may choose to pursue an academic pathway in an area of interest. These personalized learning opportunities for our students help ensure that they meet their goals and allow LCA to continue to equip and nurture students to fulfill God's calling on their lives through Christ-centered education. LCA's Academic Pathways will create:

- A high school level academic area of focus
- Special pathway recognition at graduation and an endorsement seal for pathway achievers on their diploma
- A pathway achiever cord or medallion to be worn at graduation

Academic Pathways require completion of specific elective courses which are taken in addition to the student's core academic curriculum (Bible, English, math, science, social studies and world language). Academic Pathways are open to all students with no requirements for participation in Honors/AP courses in core academic areas. While some pathways offer flexibility on the timing of the electives\*, students are strongly encouraged to set out on their Academic Pathway experience during their freshman year. Some pathways include an off-campus internship or capstone project during the senior year. LCA's Academic Pathway options and the required courses for each are detailed below.



The Business pathway allows students to pursue their interests in areas of accounting, law and finance.

9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
Introduction to Business <b>OR</b> <u>Two Electives:</u> Mock Trial, Intro to Law, Business Law, Criminal Law	Accounting <b>OR</b> Introduction to Business	Accounting <b>OR</b> Business Law <b>AND</b> <u>One Elective:</u> Mock Trial, Intro to Law, Business Law, Criminal Law, Personal Finance, Business Internship	Personal Finance <b>AND</b> Business Internship (required if not completed Junior year, may repeat max four semesters)





# ACADEMIC PATHWAYS



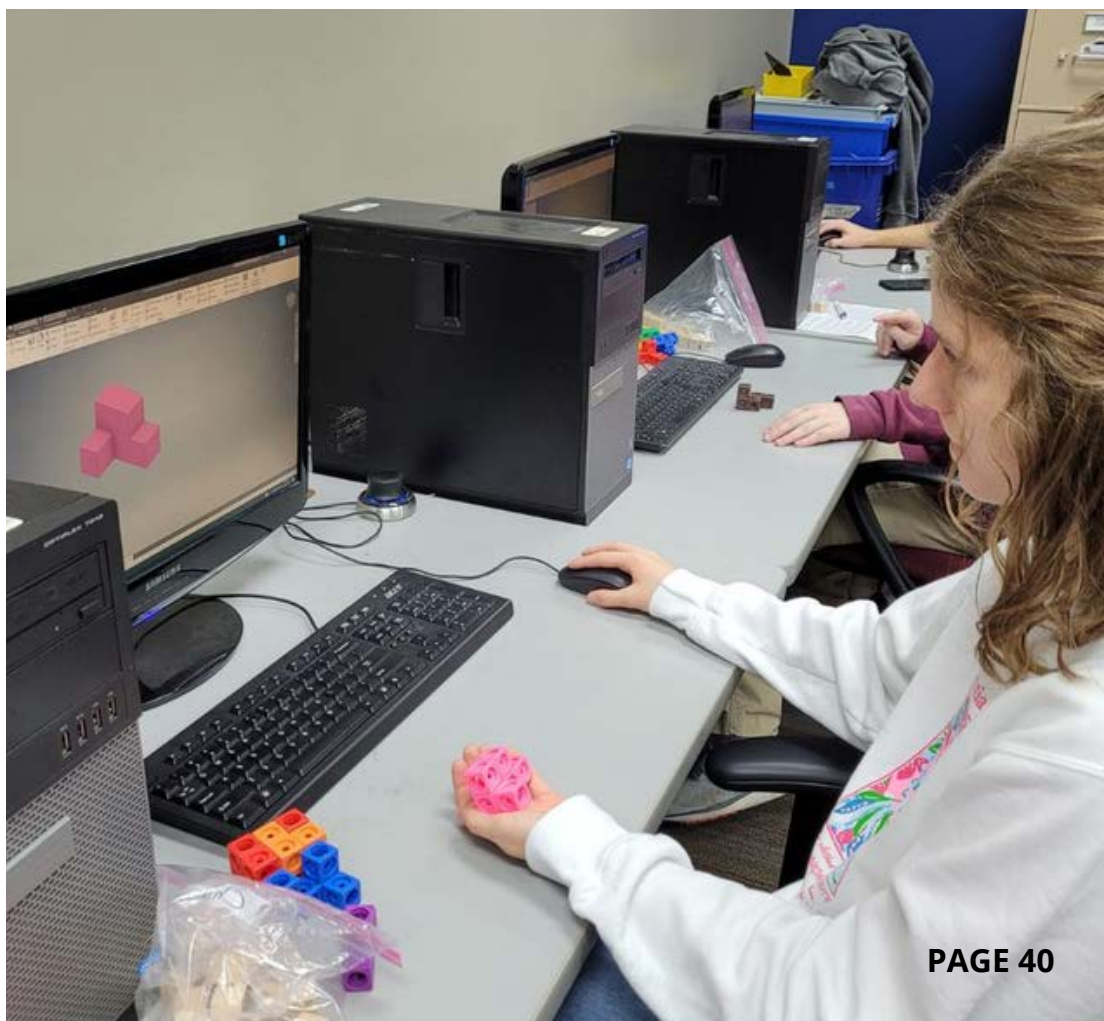
9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
Apologetics I	Leadership & Spiritual Formation	Apologetics II	Christian Ministry & Leadership Internship

As an institution of Christian education, we must answer the call and responsibility to train and prepare young people for roles as servant leaders in areas of ministry where God may call them. This track offers opportunities to students to explore and develop the skills needed to serve God.



9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
PLTW: Introduction to Engineering Design	Application Design I: Python  <b>AND</b> Application Design II: C++	PLTW: Principles of Engineering  <b>Optional:</b> AP Chemistry <b>OR</b> AP Computer Science A	AP Physics <b>AND</b> UK Transition2 Engineering <b>AND</b> AP Calculus (AB or BC)  <b>Optional:</b> AP Chemistry <b>OR</b> AP Computer Science A

The **STEM Pathway** allows students to pursue their interests in areas of science, technology, engineering, and math. The Pathway includes courses through *Project Lead The Way (PLTW)*, as well as the University of Kentucky Engineering program. Students may take the **STEM Pathway** courses in any grade, but the suggested course progression below is based upon when students may meet prerequisites for each course. It is strongly recommended that students take AP Chemistry and AP Computer Science in support of the **STEM Pathway** as well.



# ACADEMIC PATHWAYS



Students may follow their passion and develop their God-given talents in either Visual Arts or Performing Arts pathways.

## Performing Arts Endorsement:

9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
Ensemble <ul style="list-style-type: none"> <li>• Chorus</li> <li>• Chamber Choir</li> <li>• Instrumental Music</li> </ul>	Ensemble* <ul style="list-style-type: none"> <li>• Chorus</li> <li>• Chamber Choir</li> <li>• Instrumental Music</li> </ul>	Ensemble <ul style="list-style-type: none"> <li>• Chorus</li> <li>• Chamber Choir</li> <li>• Instrumental Music</li> </ul> <p><b>PLUS</b> - History of the Visual and Performing Arts <b>AND</b> Piano <b>OR</b> Guitar <b>OR</b> Drama</p>	Ensemble <ul style="list-style-type: none"> <li>• Chorus</li> <li>• Chamber Choir</li> <li>• Instrumental Music</li> </ul> <p><b>PLUS</b> - AP Music Theory</p>

\*Students do not have to enroll in the same ensemble for all four years (i.e. they may take chorus for two years and band for two years to fulfill the requirement.





# ACADEMIC PATHWAYS



Students may follow their passion and develop their God-given talents in either Visual Arts or Performing Arts pathways.

## Visual Arts Endorsement:

9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
2D Art I 2D Art II 3D Art I 3D Art II Semester/.5 credit each	2D Art I 2D Art II 2D Art III 3D Art I 3D Art II 3D Art III Advanced Studio Art (after completion of III) Semester/.5 credit each	Choose one (year-long course): <ul style="list-style-type: none"> <li>• AP Art History*</li> <li>• Advanced Studio Art</li> <li>• AP Studio Art**</li> </ul> <b>OR</b> Choose two (semester courses): <ul style="list-style-type: none"> <li>• History of the Visual &amp; Performing Arts</li> </ul> <b>AND</b> <ul style="list-style-type: none"> <li>• Advanced Studio Art</li> </ul> <b>OR</b> Printmaking	Choose one (year-long course): <ul style="list-style-type: none"> <li>• AP Art History*</li> <li>• Advanced Studio Art</li> <li>• AP Studio Art**</li> </ul> <b>OR</b> Choose two (semester courses): <ul style="list-style-type: none"> <li>• History of the Visual &amp; Performing Arts</li> </ul> <b>AND</b> <ul style="list-style-type: none"> <li>• Advanced Studio Art</li> </ul> <b>OR</b> Printmaking

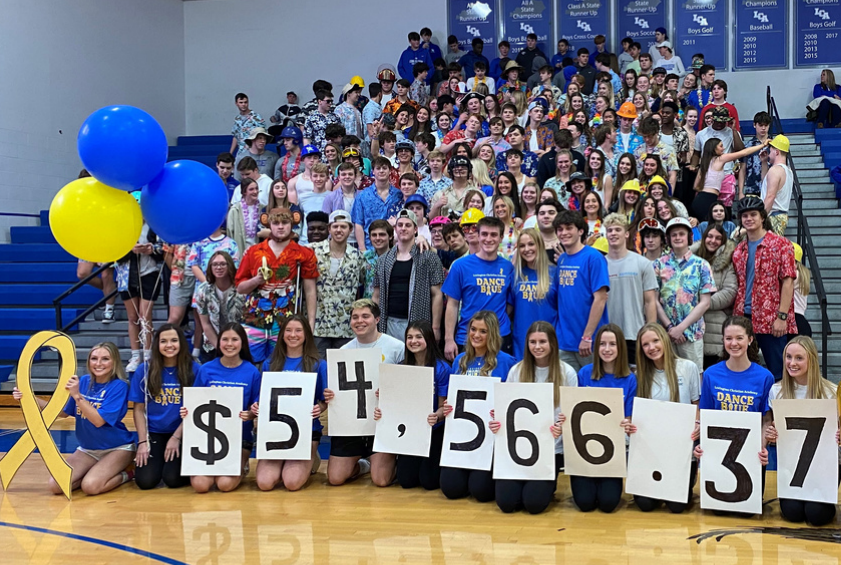
Students must successfully complete a minimum of four (4) single-semester courses. A combination of 2D Art and 3D Art courses is permitted, but the strongest portfolio will be from a commitment to either a 2D I-III or 3D I-III track plus Advanced Studio Art.

*\*Students who take AP Art History may take Printmaking in place of Advanced Studio Art, 2D Art III or 3D Art VIII AP Art History can only be taken once.*

*\*\*AP Studio Art may be taken twice for credit (both junior and senior years.)*









# LEARNING OUTSIDE THE CLASSROOMS

Because learning does not just take place in the classroom, LCA students have multiple opportunities to engage in cocurricular programs. These programs are led by LCA faculty and staff and give students venues to learn about their gifts and abilities in a variety of ways. Cocurricular activities at LCA include:

## **PRESCHOOL & ELEMENTARY PROGRAMS (Varies by Program & Grade Level)**

- Academic Team
- Band & Orchestra
- Book Fair
- Chapel Committee
- Chorus
- Christmas Program
- Field Day
- Field Trips
- Grandparents Day
- Outreach Programs
- Robotics Team
- Science Fair
- Trunk 'n Treat

## **MIDDLE SCHOOL PROGRAMS (6-8TH Grades)**

- Academic Team
- Athletics
- Band
- Biblical Leadership Program
- Book Fair
- Cabaret
- Chapel Committee
- Chorus
- Junior Beta Club
- Junior National Honor Society
- Leadership Trip
- Musical
- Orchestra
- Outreach Programs
- Robotics Team
- Science Fair
- Spirit Week
- Student Ambassador Program
- Trunk 'n Treat
- Yearbook

## **HIGH SCHOOL PROGRAMS (9-12th Grades)**

- Academic Team
- Athletics
- Band & Orchestra
- Book Fair
- Cabaret
- Chick-fil-A Leadership Academy
- Chorus
- French Club
- Homecoming
- KUNA
- KYA
- Leadership Forum
- Leadership Trips
- Mission Trips
- Mu Alpha Theta
- Musical
- National Beta Club
- National Honor Society
- Outreach Programs
- Pep Band
- Pep Club
- Prom
- Sandlot Baseball League
- Spirit Week
- Student Ambassador Program
- Student Athletic Council
- Student Government
- Students for Stewardship
- Tri-M Music Honor Society
- Trunk 'n Treat
- Yearbook

