

**GILBERT  
CHRISTIAN  
SCHOOLS**

**HIGH SCHOOL CAMPUS**

**2024-2025  
COURSE CATALOG**



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# High School Diploma Requirements

## **BIBLE**

One credit of Bible is required for each year of attendance at GCHS. Students attending all four years must complete Old Testament, New Testament, Theology, and Apologetics. Bible electives cannot replace any of the four core Bible courses.

## **ENGLISH**

Four credits of English are required. English electives cannot replace a core English course.

## **FINE ARTS**

One fine arts credit is required during the four years of high school.

## **MATHEMATICS**

Four credits of math are required. Transcripts, placement tests, and teacher recommendations will be used to place students at appropriate levels. Algebra 1, Algebra 2, and Geometry are required for all students, as well as one additional math course beyond the Algebra 2 level. Students must take math all four years of high school, even if they have exceeded the credits required.

## **PHYSICAL EDUCATION**

One physical education credit is required. There are two ways to meet this requirement:

1. The student may enroll in one year (2 semesters) of Gilbert Christian High School PE, for which credit is given;  
-or-
2. The physical education requirement may be met by a student's participation in a Gilbert Christian High School sports team for two seasons or outside athletic organization (pending administration approval and enrollment in Independent PE).

## **SCIENCE**

Three credits of lab science are required. Two of these must be Biology and Chemistry.

## **SOCIAL STUDIES**

Three credits of social studies are required: World History/Geography, US History, and Economics/American Government.

## **WORLD LANGUAGES**

Two high school credits of the same world language are required. (Can be waived by application for international students from non-English speaking countries.)



## ELECTIVES

Six electives are required (seven if a PE course is not taken). Juniors and seniors can elect to substitute Study Hall for an elective. Academic electives are strongly recommended for all college-bound students.

## TOTAL CREDITS REQUIRED FOR GRADUATING SENIORS:

Students attending GCHS all four years must have 28 credits to graduate, except with administrative approval. At no time can a student earn a diploma with less than 22 credits.

# Weighted Grade Courses

Weighted grades are applied to the courses listed below as of the 2009-10 school year according to the following scale:

### Weighted Semester Grades:

A = 5.0      B = 4.0      C = 3.0      D = 2.0      F = 0.0

Weighted courses transferred from accredited high schools will be awarded weighted credit only if Gilbert Christian Schools also weights that course. Weighted grades are only granted when the student completes the entire course; otherwise, no weighted grade point value is applied.

Courses taken at universities, community colleges, correspondence schools, and other institutions that are not accredited high schools will not receive an additional grade point weight. It is not assumed that a community college or university course is of greater rigor and thus should carry weighted credit.

The following is a list of weighted courses currently recognized by Gilbert Christian Schools.

<b><u>COURSE NUMBER</u></b>	<b><u>COURSE TITLE</u></b>
ENG100	British Literature (12 <sup>th</sup> Grade English Honors)
ENG101/102	First-Year College Composition (11 <sup>th</sup> Grade English Honors)
ENG209	9 <sup>th</sup> Grade English Honors
ENG210	10 <sup>th</sup> Grade English Honors
MAT113	Honors Precalculus
MAT115	Calculus 1
MAT118	Calculus 2
MAT141	Honors Geometry



<b><u>COURSE NUMBER</u></b>	<b><u>COURSE TITLE</u></b>
MAT142	Honors Algebra 2
STP101	Statistics
BIO104	Honors Biology Lab
BIO145	College Biology Concepts Lab
BIO 201	College Human Anatomy & Physiology Lab
CHM104	Honors Chemistry Lab
CHM140/141	College Chemistry Lab
PHY144	College Physics (Mechanical) Lab Honors
PHY146	College Physics (Electrical) Lab Honors
HIS116	Honors World History/Geography
HIS201/202	College U.S. History Honors
HIS205A	College Economics
HIS205B	College American Government
SPA111	Spanish 3
SPA112	Spanish 4

\*\*\*All online dual enrollment courses are weighted.\*\*\*

## Dual Enrollment

### What is dual enrollment?

Dual enrollment is an opportunity for eligible high school students to earn college credit during regular school hours at their high school. Dual enrollment courses allow students to earn both high school and college credit for the same course. The credit earned may be used to complete an Associate's degree, as well as a Bachelor's degree, at a university (depending on the receiving institution's requirements).

### What are some of the benefits of dual enrollment?

Dual enrollment provides quality learning opportunities and helps high school students prepare for college. Students experience college-level courses using a curriculum and text that have been approved and taught by GCHS instructors certified by Colorado Christian University (CCU), which is accredited by the Higher Learning Commission. These challenging courses enhance high-level thinking skills and provide incentives to advance beyond the high school level. Best of all, the transition from high school to college begins early and occurs conveniently in a familiar, comfortable environment. Dual enrollment is advantageous to students because it allows them to get a head start on their



college courses, it may ease the transition from high school to college, and it saves parents money as the rate for dual enrollment tuition is much less than that paid for the full-time college student.

### **How does dual enrollment affect a student when entering college?**

The student who receives dual enrollment credit may finish college in less time by moving through the institution's degree plan at a faster rate due to courses completed while in high school. It is the student's and/or family's responsibility to verify how dual enrollment credits earned will transfer to the student's college of choice upon graduation.

### **Which students are eligible to take a dual enrollment course?**

Students must have a 3.5 minimum GPA and are eligible at the discretion of the teacher of the dual enrollment course. GCHS dual enrollment courses are college courses based on a college curriculum with college-level pace, expectations, and workload. Students must have the aptitude, habits, and disposition toward learning necessary to be successful in these high-level classes.

### **Is there a limit to the number of dual enrollment courses a student should take?**

There is no formal limit, but students are encouraged to work with their guidance counselor to evaluate how many college-level classes they should take in a given semester in light of their overall course load and commitments outside of the school day (e.g., athletics, clubs, job).

### **What is the cost to take a dual enrollment course with Colorado Christian University at Gilbert Christian High School?**

As of the revision date of this handbook, the costs are a flat \$250 per course and an additional \$50 for lab sciences. These costs are subject to change at the university's discretion.

### **Does the student need to take a placement exam prior to starting a dual enrollment course?**

Depending on the university and the specific course, that may be the case. GCHS will let the student know if that is necessary and students will work with the university to satisfy this requirement. Typically, placement exams are offered at the high school at the end of the previous school year and at the beginning of the current school year.



## **What is the process for signing up for a dual enrollment course with the university?**

The registration process with the university is online for the most part, but it is determined by the university. Students must complete all the paperwork necessary to enroll in any dual enrollment course by the deadline as determined by the university with which they are registering. Deadlines are communicated by the Guidance Department and shared by GCHS teachers in dual enrollment classes.

## **Does this happen once a year or at the beginning of each semester?**

Registration for dual enrollment courses in general must be completed at the beginning of each semester, while the year-long courses are completed once at the beginning of the school year.

# **Online Course Policy**

Gilbert Christian High School offers online courses to supplement our regular course offerings. Any 10<sup>th</sup> through 12<sup>th</sup> grade students may select from these options as one of their courses. Administrative approval is required for any 9<sup>th</sup> grader wanting to take an online course.

Students choosing to take an online course **MUST** be proficient in using a computer, keyboarding, using email, and utilizing the internet. Students are required to provide their own wired headphones/earbuds for use in the computer lab. Students need to be motivated and self-disciplined to be successful in taking an online course. The students will be assigned one period in a supervised classroom during the regular school day to work on their online coursework. All grades are determined by the online teacher. Since these are self-paced courses, students must demonstrate the responsibility to take a course such as this. In courses through a university or outside provider, students may have course work to complete during GCS school breaks. Failure of previous courses or poor performance in an online course will preclude a student from enrolling in an online course as one of their regular courses.

All fees relating to dual enrollment, CPR certification, ACT/SAT exams, required textbooks and/or required materials/equipment will be the responsibility of the student/parent.

## **Dual Enrollment Online Options**

In addition to our GCHS online courses, juniors and seniors (with guidance counselor approval) may take an online dual enrollment course through Colorado Christian University. These are online college courses based on a college curriculum with college-level pace, expectations, and workload. Even though these are introductory courses and do not typically require a prerequisite, they require a great deal of outside work. Therefore,



only students who have shown discipline, a good work ethic, and the ability to perform at a college level will be approved. These courses are available to students with a 3.5 GPA or better and who have not failed a course. ALL online course registrations are subject to approval by the GCHS administration.

Online dual enrollment courses with Colorado Christian University are offered through *Colorado Christian University Academy*. These courses operate on a 15-week semester calendar. CCU is regularly updating the courses available online for dual enrollment. See [CCU Academy Online Dual Enrollment Courses](#).

Students who take an online dual enrollment course will need to meet the drop/add deadlines of the university. If a student chooses to drop a course after the drop date, they will receive whatever grade the university gives AND will be required to enroll in an additional GCHS course, even if past the date where credit can be earned.

## New or Updated Courses for 2024-2025

### In-Class Instruction:

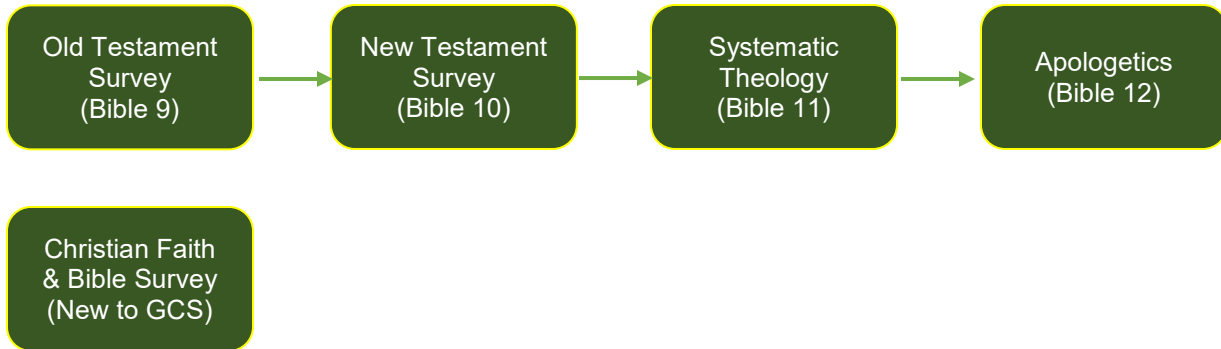
- Christian Faith and Bible Survey (Bible)
- Foundations of Entrepreneurship (Career and Technical Education)
- Entrepreneurship Internship Level I (Career and Technical Education)
- Financial Literacy (Career and Technical Education)
- Digital Design & Marketing Media (Career and Technical Education)
- Advanced Theatre Arts (Fine Arts)
- Bella Voce (Fine Arts)
- Cantus (Fine Arts)
- College Trigonometry & Precalculus (Mathematics)
- College Biology Concepts Lab (Science)
- College Chemistry Lab (Science)
- College Human Anatomy & Physiology Lab (Science)
- Honors World History/Geography (Social Studies)
- American Sign Language 3 (World Languages)



# Bible

One year of Bible is required for each year of attendance at Gilbert Christian High School.

## Bible Courses Flow Chart



## Bible Course Offerings

BIBLE109	OLD TESTAMENT SURVEY	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		
Freshman Bible provides students with a survey through the 39 books of the Old Testament giving attention to the background, author, date and “big ideas” that show who God is, what He did, and how we should respond, in an interactive format that seeks to engage students’ questions and lives.			

BIBLE110	NEW TESTAMENT SURVEY	1 YEAR	1 CREDIT
PREREQUISITE:	BIBLE109		
Sophomore Bible provides students with a survey through the 27 books of the New Testament giving attention to background, author, date and “big ideas” that show who Jesus is, what He did, and what a Christian is and is not, in an interactive format that seeks to engage students’ questions and lives.			

BIBLE111	SYSTEMATIC THEOLOGY	1 YEAR	1 CREDIT
PREREQUISITE:	BIBLE110		
Junior Bible introduces students to the main ideas in each of the ten major sections of systematic theology and teaches them how to formulate and defend the Christian position. First semester covers the doctrines of Scripture, God, Angels and Demons, Man and Sin. Second semester covers the doctrines of Christ, the Holy Spirit, Salvation, the Church and End Times. Enrichment books are included. The course also includes a review of Hermeneutical principles which seek to aid the interpreter in their theological convictions within the Seminole views in theology.			



BIBLE112	APOLOGETICS	1 YEAR	1 CREDIT
PREREQUISITE:	BIBLE111		
**OPTIONAL DUAL ENROLLMENT		3 COLLEGE CREDITS	
<p>Senior Bible immerses students in the main characteristics of the Christian Worldview. First semester provides students with the ability to think through and defend the Christian Worldview from the two main approaches to apologetics against today's most prominent challenges made by Atheists. Then, students are given a tactical understanding for defending the Christian faith. The second semester explores hot topics like Truth, Ethics, the Problem of Evil, Abortion, Homosexuality, Islam, Mormonism, the Occult, etc. The goal of this course is to give students God's wisdom in how to defend their Christian convictions in our current cultural context, which is something seniors especially need as they are on the cusp of making the most important decisions of their lives.</p>			

BIBLE100	CHRISTIAN FAITH AND BIBLE SURVEY	1 YEAR	1 CREDIT
PREREQUISITE:	NEW STUDENT TO GCS IN GRADE 10, 11, OR 12		
<p>This course is designed for students new to GCS to build a solid foundation for subsequent courses taken in the Bible curriculum. Students will discuss the key tenets of the Christian faith and practice spiritual disciplines (e.g., prayer). This course introduces students to the academic study of the Bible to help them understand and make sense of the Bible and a biblical worldview. Through an introductory survey of the Bible from Genesis to Revelation, the fundamental concepts addressed include the structure of the Bible, the story of the Bible and our place in it, the Speaker of the Bible and His thoughts toward us, the arc of the salvation story, and a biblical worldview. Students are trained in the importance of biblical interpretation and in how to apply biblical truths to their lives.</p>			



# Career & Technical Education (CTE)

Six electives are required (seven if a PE course is not taken). Academic electives are strongly recommended for all college-bound students.

## Career and Technical Education Course Offerings

### In Classrooms

ART103	YEARBOOK (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	INTERVIEW AND TEACHER APPROVAL		
***OPEN TO SOPHOMORES, JUNIORS, AND SENIORS ONLY***			
CAN BE TAKEN TO SATISFY FINE ARTS GRADUATION REQUIREMENT			
<p>This course covers the basics of reporting, writing, layout, design, photography, marketing, and business management for the production and sale of the GCHS yearbook. Students are an integral part of the yearbook team as interns gaining “hands-on,” real world experience; therefore, a one-year commitment to this course is required. Students must be proficient in writing, grammar, vocabulary, and computer skills. The book is produced using an online resource, Lightroom, and Photoshop. Students write sports-related articles for the AIA using AZPreps365.com and student life articles using social media. A significant time commitment is required outside of the classroom covering sports, school activities, and school events. Each member of the yearbook team will receive a GCHS yearbook for free.</p>			

COD101	CODING (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		
<p>This course covers some of the history of computers and coding/programming. Basic programming and solving skills will be the focus of this course. Students will learn to write programs using Java and Android studio. Students will be able to write programs and apps for the ZTE phone, which is Android based. Some basic 3D CAD drawings and printing will also be taught. This course focuses on STEM.</p>			

CTE101	DIGITAL DESIGN AND MARKETING MEDIA (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		
<p>This dynamic and practical course offers students an introduction to graphic design and digital media production for commercial applications. This survey course covers technical basics, design principles, branding basics, photography basics, video basics, and a variety of media applications. Students will manage projects with both print and digital applications in the realm of graphic design and layout, digital photography, and short-form video; and will learn entry-level artistic and technical skills in each discipline while exploring how they intersect with marketing and branding strategies. By the end of the course students will understand how media can be used to share information, and attract, engage and persuade audiences. Whether pursuing a future in design, marketing, or entrepreneurship, students will be equipped with valuable skills and knowledge to proceed in today's market landscape.</p>			

ENT101	FOUNDATIONS OF ENTREPRENEURSHIP	1 SEMESTER	0.5 CREDIT
PREREQUISITE:	NONE		
<p>This initial course in Christian entrepreneurship covers key entrepreneurial concepts (leadership, teamwork, goal setting, pitching, starting a business). This class features podcast episodes and lectures from forward thinkers and entrepreneurial leaders both locally and nationally. Subjects include market validation, customer interviews, industry analysis, and marketing principles. Additionally, many of the lessons will be focused on leadership principles, vision casting, addressing tax and legal matters, and stewarding the profits of the business.</p>			

ENT201	ENTREPRENEURSHIP INTERNSHIP LEVEL I	1 SEMESTER	0.5 CREDIT
PREREQUISITE:	ENT101 FOUNDATIONS OF ENTREPRENEURSHIP		
<p>Students participate in both an online course covering key entrepreneurial concepts (leadership, teamwork, goal setting, pitching, starting a business) and a hands-on internship at one of the school's student-run businesses or other qualifying opportunity.</p>			

FIN101	FINANCIAL LITERACY	1 SEMESTER	0.5 CREDIT
PREREQUISITE:	NONE		
<p>Using an online self-paced course in a classroom setting, the course functions as a personal finance and money management course focused on Christian stewardship. This course covers these key areas: obtaining and managing a revenue stream, creating and maintaining a budget, setting financial goals, opening basic financial accounts including a checking account and savings account, understanding compound interest and making it work for you, the role of credit cards in financial independence, making sense of the stock market and its cycles, getting started investing and opening a Roth IRA, understanding rate of return and inflation, and harnessing the time value of money to maximize returns.</p>			

LIF101	12 <sup>TH</sup> GRADE INTERNSHIP (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	ADMINISTRATIVE APPROVAL		
<p>This custom course is designed by the senior GCHS student through written proposal and submitted to the guidance counselor and administration for approval. It enables a senior to gain work experience off campus in his or her area of interest while earning high school credit. Credit and grade will be granted based on meeting the required weekly supervised hours and the timely completion of weekly assignments. The internship may be paid or unpaid, but an approved, cooperating agreement with an outside "employer" is required. The student may be off campus the first or last period of the day to complete the internship, as scheduling allows. Interested students may apply for the internship by completing the packet available in the office.</p> <p>Expectations</p> <ul style="list-style-type: none"> <li>• Students must have a minimum 3.5 cumulative GPA to apply. Students with a cumulative GPA lower than 3.5 must obtain prior approval from a guidance counselor to apply for an internship.</li> </ul>			

- Resume and application packet must be submitted on time to be considered. The deadline for a final proposal is 2 weeks before the start of the semester.
- Continued second-semester registration is based on active participation and a minimum 85% or better grade first semester.

ROB101	ROBOTICS (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		
<p>Robotics is a new and exciting course that combines building and programming into one using Tetrax and Java. Students learn how to do the following: build robots with arm/grasping mechanism and use different sensors (IR, Distance, Optical) to complete challenges. Android Studio along with Java is used in learning how to program the robot. This course focuses on STEM.</p>			

SPMED101	SPORTS MEDICINE 1 (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	NONE; GRADES 10- 12 ONLY		
<p style="text-align: center;"><b>CAN BE TAKEN TO HELP SATISFY SCIENCE LAB GRADUATION REQUIREMENT; DOES NOT SATISFY NCAA ATHLETICS ELIGIBILITY SCIENCE REQUIREMENT</b></p>			
<p>This introductory course is designed to help students gain an understanding of sports medicine, the various associated disciplines, and the role they play in the needs of athletes. Emphasized throughout this course, students will study basic anatomy along with the integumentary, nervous, circulatory and respiratory systems. Focus will be placed on basic concepts dealing with common sports-related movements, injuries, and conditions through the field of athletic training and strength &amp; conditioning. The course also addresses the history of athletic training, healthcare administration, and the ethical/legal considerations for sports medicine professionals. The many career opportunities available under this vast umbrella are also examined. This course contains lectures and hands-on labs including taping, CPR, blood pressure, and heart rate. The student will need to complete one observation of a sports medicine professional during the school year. Options for observation locations will be given to the student the second week of school.</p>			

SPMED102	SPORTS MEDICINE 2 (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	SPMED101 (70% or higher); GRADES 11 & 12 ONLY		
<p style="text-align: center;"><b>CAN BE TAKEN TO HELP SATISFY SCIENCE LAB GRADUATION REQUIREMENT; DOES NOT SATISFY NCAA ATHLETICS ELIGIBILITY SCIENCE REQUIREMENT</b></p>			
<p>This course is designed to provide a more in-depth and hands-on learning experience in the field of sports medicine as it builds on the foundational concepts learned in Sports Medicine 1. The focus of this course expands on human anatomy and physiology, through injury recognition and evaluation, tissue response, therapeutic modalities and rehabilitation protocols in athletes. The course will also cover a more in-depth look at the muscular system, strength &amp; conditioning, nutrition, and sports psychology. Students will gain more hands-on experience through lab activities including taping, first aid, special tests, spine boarding, stretching, and concussion testing. Field trips will provide a real-world experience in different areas of sports medicine, and this class will</p>			



also welcome guest speakers throughout the year. The student will need to complete two observations of a sports medicine professional during the school year along with the field trips. Options for observation locations will be given to the student the second week of school.

## ONLINE

BUS101	INTRO TO BUSINESS (ELECTIVE)	1 SEMESTER	0.5 CREDITS
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PREREQUISITE:	NONE
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In this Introduction to Business course, students study and learn business essentials that encompass the concepts, principles and operations of private enterprise in today's contemporary business world. Students compare and contrast the advantages and disadvantages of sole proprietorships, partnerships, and corporations. Students explore the functions of modern business management, marketing, and ethics and social responsibility that can advance or taint a brand. Students also look at the human resource management side of running a business and learn how employers can motivate their employees for success. Finally, students also concentrate on the numbers side of running a business and look at bookkeeping, accounting, financial management, and financial statements. This course is a great overview of how businesses work and is great for any student trying to figure out whether a career in business is right for them.

CIS703	DIGITAL PHOTOGRAPHY (ELECTIVE)	1 SEMESTER	0.5 CREDIT
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PREREQUISITE:	NONE
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REQUIRED EQUIPMENT:	ACCESS TO HIS/HER OWN DIGITAL CAMERA OF 2 MEGAPIXELS OR MORE, WITH A MINIMUM 3X ZOOM LENS.
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**CAN BE TAKEN TO HELP SATISFY FINE ARTS GRADUATION REQUIREMENT**

This online course is an introduction to the fundamentals of digital photography and photo editing. Students learn the basics of using a digital camera and how it works, utilizing composition and lighting and other tools used in acquiring digital images. Students learn the process of manipulating the images through popular editing software, focusing on concepts such as selection, cropping, painting, editing tools, filters, layers, style adjustments, and effects. Students have weekly photography assignments.

HLTH700	HEALTH (ELECTIVE)	1 SEMESTER	0.5 CREDITS
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PREREQUISITE:	NONE	<b>**ONLINE**</b>	
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**\*\*\*ONLINE FEE: STUDENTS ARE REQUIRED TO RECEIVE CERTIFICATION IN CPR, WHICH MAY BE OBTAINED FROM COMMUNITY RESOURCES FOR A NOMINAL FEE.**

Health emphasizes the importance of knowledge, attitudes, and practices relating to personal health and wellness. It is a course designed to introduce students to a wide range of issues and information relating to the various aspects of personal health. Topics include the physical, social, emotional, intellectual, spiritual and environmental



aspects. Students will also explore topics including, but not limited to, the cardiovascular system, nutrition, physical fitness, teen (social) issues, effective communication tools, conflict resolution and human development.

LIF700	LIFE SKILLS/PERSONAL DEVELOPMENT (ELECTIVE)	1 SEMESTER	0.5 CREDITS
PREREQUISITE:	NONE	**ONLINE**	
<p>This course is designed to increase your success in school and in your personal life. The course helps students increase personal growth, develop study skills, set and pursue meaningful goals, and develop positive personal qualities such as self-esteem, a positive attitude, self-discipline, and self-motivation. Students will also study and learn real world skills of personal finance through 37 different modules (topic areas) which focus on the basics of budgeting and money management as well as more advanced topics like investing and insurance.</p>			

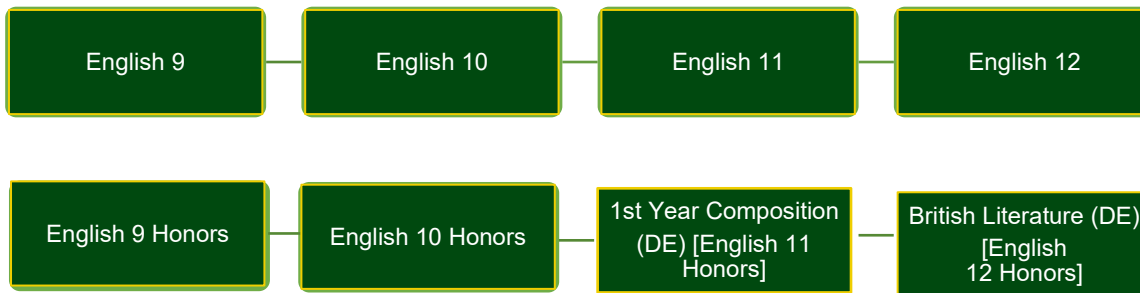
MED700	INTRO TO MEDICAL TERMS (ELECTIVE)	1 SEMESTER	0.5 CREDITS
PREREQUISITE:	NONE	**ONLINE**	
<p>This course introduces medical terms used in healthcare and the language of medicine and focuses on prefixes, suffixes, word roots and their combining forms by reviewing each body system and specialty area. Students then build and analyze terms.</p>			

MKT101	INTRO TO MARKETING	1 SEMESTER	0.5 CREDITS
PREREQUISITE:	NONE		
<p>This Introduction to Marketing course is designed to provide students with an understanding of the principles of marketing and the marketing process by creating and capturing customer value and how it drives every effective marketing strategy. Students focus on the management of marketing activities and how marketing relates to overall organizational functioning, including the management of exchange processes between businesses, customers, and between firms. The course includes topics such as environmental analysis, industry and competitor analysis, objective setting, marketing strategies, market mix components, the global marketplace, sustainability for social responsibility and ethics, and finally implementation, performance, and control methods.</p>			

# English

Four credits of English are required for a GCHS diploma.

## English Courses Flow Chart



## Elective(s)



*DE = Dual Enrollment*

## English Course Offerings

ENG109	ENGLISH 9	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		
<p>This course includes a study of well-known nineteenth and twentieth century British and American authors. Students will also explore units in Shakespeare and American Literature. All novels are examined from a Christian worldview. Composition assignments include argument, narrative, and informational writings with the expectation that students will become proficient writers. In addition, students will study and apply mechanics and grammar skills on a weekly basis, as well as perform interviews with the instructor in which they demonstrate comprehension and memory of literature that they have read throughout the year.</p>			
ENG109G	ENGLISH 9 GEAR/MODIFIED	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		
<p>This course includes a study of well-known nineteenth and twentieth century British and American authors. Students will also explore units in Shakespeare and American Literature. All novels are examined from a Christian worldview. Composition assignments include argument, narrative, and informational writings with the expectation that students will become competent writers. In addition, students will study and apply mechanics and grammar skills on a weekly basis, as well as perform interviews with the instructor in which they demonstrate comprehension and memory</p>			



of literature that they have read throughout the year. Content of the course may be modified from the standard English 9 course to accommodate the unique learning needs of the students enrolled in the class.

ENG209	ENGLISH 9 HONORS	1 YEAR	1 CREDIT
PREREQUISITE:	TEACHER RECOMMENDATION		
<p>This course includes a literature study that spans the seventeenth through twentieth centuries, including a unit on Shakespeare. All novels are examined from a Christian worldview. Composition assignments begin preparing students for college-level writing and include argument, narrative, and analytical writings with the expectation that students will become skilled writers. In addition, the students will study and apply mechanics and grammar skills on a weekly basis, as well as learn vocabulary and etymology skills. This is a grade-weighted course.</p>			

ENG110	ENGLISH 10	1 YEAR	1 CREDIT
PREREQUISITE:	ENG109 ENGLISH 9		
<p>This course covers British and American authors from the nineteenth and twentieth centuries, and also includes a unit on Shakespeare. All novels are examined from a Christian worldview. Composition assignments will emphasize argument, narrative, and informative writings. Writing skills will be expanded, moving students toward a more mature writing style with the expectation that the students become skilled writers. In addition, students will study and apply mechanics and grammar skills on a weekly basis, as well as learn vocabulary and etymology skills.</p>			

ENG110G	ENGLISH 10 GEAR/MODIFIED	1 YEAR	1 CREDIT
PREREQUISITE:	ENG109G ENGLISH 9 GEAR/MODIFIED		
<p>This course covers British and American authors from the nineteenth and twentieth centuries, and also includes a unit on Shakespeare. All novels are examined from a Christian worldview. Composition assignments will emphasize argument, narrative, and informative writings. Writing skills will be expanded, moving students toward a more mature writing style with the expectation that the students become competent writers. In addition, students will study and apply mechanics and grammar skills on a weekly basis, as well as learn vocabulary and etymology skills. Content of the course may be modified from the standard English 10 course to accommodate the unique learning needs of the students enrolled in the class.</p>			

ENG210	ENGLISH 10 HONORS	1 YEAR	1 CREDIT
PREREQUISITE:	'A' OR 'B' IN ENG209 ENGLISH 9 HONORS OR 'A' IN ENG109 ENGLISH 9 AND INSTRUCTOR APPROVAL		
<p>This course covers Shakespeare and Gothic Literature as well as British and World Literature. Additionally, students complete a yearlong, independent author study of classic American and British authors. All novels are examined from a Christian worldview. This course is designed to prepare students for college-level reading, analysis, and writing. Composition assignments include argument, narrative, rhetorical, and analytical writings with the expectation that students will become both critical readers and analytical writers. Students in this course also engage in Socratic Seminar</p>			



discussions in response to literature to refine their listening/speaking skills. Through weekly warmups, students will analyze an author's voice through diction, detail, imagery, syntax, and tone. This is a grade-weighted course.

ENG111	ENGLISH 11	1 YEAR	1 CREDIT
PREREQUISITE:	ENG110 ENGLISH 10		
<p>This course focuses on American literature, including major American novels and poetry, taught chronologically from the Puritans through the late 20th century. All literature is examined from a Christian worldview. In addition to literature, this course will continue to include instruction in writing, focusing on clear, well-organized, purposeful compositions that analyze literature, make arguments, and convey information. In addition, students will study and apply grammar and vocabulary skills on a weekly basis, using this learning to support their continuing progress in writing and in reading.</p>			

ENG111G	ENGLISH 11 GEAR/MODIFIED	1 YEAR	1 CREDIT
PREREQUISITE:	ENG110G ENGLISH 10 GEAR/MODIFIED		
<p>This course focuses on American literature, including major American novels and poetry, taught chronologically from the Puritans through the late 20th century. All literature is examined from a Christian worldview. In addition to literature, this course will continue to include instruction in writing, focusing on clear, well-organized, purposeful compositions that analyze literature, make arguments, and convey information. In addition, students will study and apply grammar and vocabulary skills on a weekly basis, using this learning to support their continuing progress in writing and in reading. Content of the course may be modified from the standard English 11 course to accommodate the unique learning needs of the students enrolled in the class.</p>			

ENG101/102	FIRST YEAR COMPOSITION (ENGLISH 11 HONORS)	1 YEAR	1 CREDIT
PREREQUISITE:	'A' OR 'B' IN ENG210 ENGLISH 10 HONORS or 'A' IN ENG110 ENGLISH 10 WITH INSTRUCTOR APPROVAL; GPA OF 3.5 OR HIGHER		
*OPTIONAL DUAL ENROLLMENT		6 COLLEGE CREDITS	
<p>This college-level course is offered for both high school and college credit. In this course students are challenged to express their ideas at the collegiate level for an academic audience. Emphasis is placed on critical thinking skills that analyze, evaluate, draw conclusions, and gain insight. Response papers to academic essays comprise a large portion of this course. Students are required to express themselves in an engaging, thoughtful, informative, and creative style. Students are taught how to interact with ideas they will encounter in their university experience. Students continue to hone their skills using formats and documentation styles to be able to write effectively in academia. While dual enrollment for college credit is optional, the course is taught at a college level based on a college curriculum with college-level pace, expectations, and workload for all students enrolled. This is a grade-weighted course.</p>			

ENG112	ENGLISH 12	1 YEAR	1 CREDIT
PREREQUISITE:	ENG 111 ENGLISH 11		
<p>In this course students will be encouraged to read at a level that will prepare them for their post-high school lives. Student will read a variety of classics from the literature canon as well as non-fiction pieces. All readings are examined from a Christian worldview. Students will develop their critical thinking skills as they evaluate, analyze, and draw conclusions from their reading. Students will continue to receive support in their writing as they move toward being able to communicate in a fluent and clear style.</p>			

ENG112G	ENGLISH 12 GEAR/MODIFIED	1 YEAR	1 CREDIT
PREREQUISITE:	ENG111G ENGLISH 11 GEAR/MODIFIED		
<p>In this course students will be encouraged to read at a level that will prepare them for their post-high school lives. Student will read a variety of classics from the literature canon as well as non-fiction pieces. All readings are examined from a Christian worldview. Students will develop their critical thinking skills as they evaluate, analyze, and draw conclusions from their reading. Students will continue to receive support in their writing as they move toward being able to communicate in a fluent and clear style. Content of the course may be modified from the standard English 12 course to accommodate the unique learning needs of the students enrolled in the class.</p>			

ENG100	BRITISH LITERATURE (ENGLISH 12 HONORS)	1 YEAR	1 CREDIT
PREREQUISITE:	'A' OR 'B' IN ENG101/102 FIRST YEAR COMPOSITION (ENGLISH 11 HONORS) or 'A' IN ENG111 ENGLISH 11 WITH INSTRUCTOR APPROVAL; GPA OF 3.5 OR HIGHER		
*OPTIONAL DUAL ENROLLMENT		6 COLLEGE CREDITS	
<p>This college-level course is offered for both high school and college credit. Students in this course read challenging fiction and nonfiction texts from Christian and secular authors in the British tradition, focusing on the cultural, historical, and philosophical trends that have shaped English language and literature. Students move beyond summarizing to evaluating and integrating other writers' work through analysis and synthesis of ideas. Writing will emphasize argumentation in literary analysis through use of effective rhetorical skills. Students develop their Christian worldview and ability to communicate that worldview effectively as they develop college-level reading and writing skills. While dual enrollment for college credit is optional, the course is taught at a college level based on a college curriculum with college-level pace, expectations, and workload for all students enrolled. This is a grade-weighted course.</p>			

ENG130	CREATIVE WRITING (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	'A' or 'B' in ENG109/209 for 10 <sup>th</sup> Graders; Credit in ENG110/210 for 11 <sup>th</sup> and 12 <sup>th</sup> Graders		
NOTE: THIS ELECTIVE COURSE DOES NOT SATISFY ENGLISH GRADUATION REQUIREMENTS.			
<p>Following the format of a college-level writer's workshop, this course challenges students to develop their creative writing skills in a specialized and professional way. Students write stories, poetry, and drama, learning to draft and develop their writing</p>			



with consideration for audience and purpose. The class includes direct, focused instruction on key facets of creative writing, including characterization, plot structure, poetic form, narrative style, and the common conventions of literary writing in English; students are encouraged to seek outlets for publishing, sharing, and/or performing their work.

HIS115	SPEECH AND DEBATE (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		

NOTE: THIS ELECTIVE COURSE DOES NOT SATISFY ENGLISH GRADUATION REQUIREMENTS.

The basic skills needed to construct and deliver a variety of speeches to a live audience are introduced in this course. Students give speeches to inform, persuade, entertain, demonstrate, motivate, and share the Gospel. They also learn how to develop and deliver persuasive arguments using various forms of support such as statistics, quotes from experts, analogy, and personal examples, as well as appeals to logic and emotion. Debate teaches students how to participate in the rational exchange of ideas and arguments using various forms of support as they relate to significant issues and in apologetics. Students develop research, analysis, and public speaking skills. Students study a variety of debate strategies, argument structures, logical fallacies, and forms of formal debate (e.g., Policy Debate, Lincoln-Douglas Debate, Public Forum Debate).



## Fine Arts

Six electives are required (seven if a PE course is not taken). Academic electives are strongly recommended for all college-bound students. Note that some courses in Career & Technical Education can also be used to satisfy the GCHS Fine Arts graduation requirement.

### Performing Arts Course Offerings

BAND 101	CONCERT BAND (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	NONE (PREVIOUS EXPERIENCE RECOMMENDED)		
REQUIRED EQUIPMENT:	THIS COURSE REQUIRES THE STUDENT TO RENT OR OWN HIS/HER INSTRUMENT.		
<p>Concert Band is a non-auditioned, full-year ensemble, consisting of woodwind, brass, and percussion instruments with a focus on skills including proper posture and playing position, development of characteristic tone quality, expressive musicality and training in music literacy. As a performance-focused course, consistent practice of the material is expected as well as attendance at performances and tour for course credit. Concert Band provides a variety of performance opportunities including pep band at athletic events, community outreach, All-Regionals/All-State auditions, and the performing arts traveling tour. This course may be repeated for credit.</p>			

GTR 101	BEGINNING GUITAR (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		
REQUIRED EQUIPMENT:	THIS COURSE REQUIRES THE STUDENT TO RENT OR OWN HIS/HER OWN STEEL STRING ACOUSTIC GUITAR. (NO ELECTRIC GUITARS)		
<p>Learn to play the guitar! In this course, students build basic guitar skills step-by-step with the help of hands-on exercises and audio and video recordings. First, students get to know all the parts of the guitar--from frets to strings--and learn how to tune the instrument. Students explore the fundamentals of music notation and find out how to produce clear, beautiful notes and chords. Students also discover how to control rhythm, tempo, and volume, and how to express themselves artistically. The guitar skills mastered in this course allow students to play the praise and worship music that they love! Good guitar players know that the secret to making beautiful music is to practice, practice, practice—so that is what students will do. They follow a planned practice schedule that reinforces each new skill learned. By the time students are finished, they are well on their way to becoming a skilled guitar player. A one-year commitment is required for this course.</p>			

GTR 102	ADVANCED GUITAR (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	GTR 101 OR TEACHER APPROVAL		
REQUIRED EQUIPMENT:	THIS COURSE REQUIRES THE STUDENT TO RENT OR OWN HIS/HER OWN STEEL STRING ACOUSTIC GUITAR. (NO ELECTRIC GUITARS)		

Play the guitar at a higher level! In these lessons, students advance their guitar skills step-by-step with the help of hands-on exercises and audio and video recordings. Students dive deeper into the fundamentals of music notation and find out how to produce clear, beautiful notes and chords. Students also advance in their knowledge of how to control rhythm, tempo, and volume, and how to express themselves artistically. The guitar skills mastered in this course allow students to play the praise and worship music that they love! Good guitar players know that the secret to making beautiful music is to practice, practice, practice—so that is what students will do. They follow a planned practice schedule that reinforces each new skill learned. By the time students are finished, they are well on their way to becoming a skilled guitar player. A one-year commitment is required for this course.

KEY 103	PIANO LAB (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	NONE (PREVIOUS EXPERIENCE RECOMMENDED)		
REQUIRED EQUIPMENT:	THIS COURSE REQUIRES THE STUDENT TO RENT OR OWN HIS/HER OWN 88-KEY KEYBOARD TO BE LEFT AT SCHOOL. (SEE TEACHER FOR REQUIREMENTS.)		

This course is designed for students who wish to develop basic piano playing skills or to advance their current piano playing ability. Time in class is split between group instruction on music theory and independent piano study under guidance. Students regularly perform for each other, as well as participate in off-campus performances. This course may be repeated for credit.

MUP 101	WORSHIP TEAM (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	AUDITION ONLY		

The primary goal of the worship team is to lead the student body by example in and outside of the worship experience. As Scripture states (Ps. 34:1, Ps. 113:3, Heb. 13:15, etc.), we are to worship God, giving thanks and praise to Him, continuously throughout each day. Worshipping as a student body should simply be a more focused and intentional form of this, whereby we expel all external influences for the sake of praising our God. This class is designed to cultivate this in each of the worship team members. Additionally, it is designed to equip each of the students with the practical skills necessary to cultivate a worship setting free from distractions and in which God is the focus. Some practical skills emphasized in this course include the ability to read music, transposing music so that it conforms to the comfort level of those being led in worship, instruction and practice in vocal and instrumental performance, selection and vetting of worship set lists, and best practices for leading others in worship. This course comes with a commitment to actively participate in the worship team in chapels.

MUP 109	CANTUS (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	AUDITION ONLY		

Cantus (or *song*) is an auditioned, full-year advanced mixed chorale ensemble open to high school students with a strong musical and choral background. The course of study consists of continuing to develop proper vocal technique, music theory, sight-reading, historical knowledge, and fine ensemble singing. A varied repertoire of advanced literature is selected from antiquity to the present. Cantus performs in all festivals,





concerts, domestic tours, and community events; therefore, commitment to each rehearsal, concert, and tour is mandatory and expected. Students strive for musical excellence in both musical endeavors and personal character. Students are encouraged to compete in events such as Solo-Ensemble Contest, Central Regional Choir, and Arizona All-State Choir. Cantus members may audition for Bel Canto Singers. A one-year commitment is required for this course. This course may be repeated for credit.

MUP 110	NOVUM (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		
<p>Novum (or something new) is a non-auditioned, full-year mixed choral ensemble open to high school students with a limited musical or choral background. The course of study consists of the basics of vocal production, fundamentals of music theory, music listening, historical knowledge, and fine ensemble singing. A varied repertoire of literature is selected from antiquity to the present. Students strive for musical excellence in both musical endeavors and personal character. Chorale may perform in concerts, festivals, domestic tours, and community events; therefore, commitment to each rehearsal, concert, and tour is mandatory and expected. With the approval of the director, students will have the opportunity to compete in events such as Solo-Ensemble Contest, Central Regional Choir, and Arizona All-State Choir. A one-year commitment is required for this course. This course may be repeated for credit.</p>			

MUP 113	BELLA VOCE (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		
<p>Bella Voce (or <i>beautiful voice</i>) is a non-auditioned, full-year girls choral ensemble open to high school students with a limited musical or choral background. The course of study consists of the basics of vocal production, fundamentals of music theory, music listening, historical knowledge, and fine ensemble singing. A varied repertoire of literature is selected from antiquity to the present. Students strive for musical excellence in both musical endeavors and personal character. Bella Voce may perform in concerts, festivals, domestic tours, and community events; therefore, commitment to each rehearsal, concert, and tour is mandatory and expected. With the approval of the director, students will have the opportunity to compete in events such as Solo-Ensemble Contest, Central Regional Choir, and Arizona All-State Choir. A one-year commitment is required for this course. This course may be repeated for credit.</p>			

STR 112	CHAMBER STRING ENSEMBLE: ADVANCED STRINGS (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	AUDITION REQUIRED		
REQUIRED EQUIPMENT:	THIS COURSE REQUIRES THE STUDENT TO RENT OR OWN HIS/HER OWN VIOLIN, VIOLA, CELLO, OR BASS.		
<p>This course advances concepts of excellent string-playing technique with an emphasis on scales for intonation and hand formation, review of shifting, intermediate music theory, and independent ensemble playing. Music history is incorporated through the repertoire selected to reflect each era of music development. As a performance-focused course, consistent practice of the materials is expected. Attendance is required</p>			



for at least four performances per year for course credit. A one-year commitment is required for this course. This course may be repeated for credit.

THE 109	THEATRE	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		
<p>This course introduces students to all aspects of the theatrical arts and drama. Areas covered include: roles in the theater, movement, acting, the reading of plays, theatre design and tech (including set, prop, costume, and makeup design), and viewing theatre performances. Acting assignments in class include theatre games and exercises, duet and group scenes, monologues, improvisation, and reader's theatre. Students will also be introduced to theatre history, from the Ancient Greeks to the present day. Collaboration, creativity, and perseverance are emphasized.</p>			

THE 110	TECHNICAL THEATRE	1 YEAR	1 CREDIT
PREREQUISITE:	NONE; ONLY OPEN TO 10 <sup>TH</sup> , 11 <sup>TH</sup> , & 12 <sup>TH</sup> GRADERS		
<p>This course explores the backstage world of theatre. Students will investigate several areas of production and design from a practical base. Students will be given the opportunity to learn about the following areas of technical theatre production:</p> <ul style="list-style-type: none"> <li>• Scenic design fundamentals and set construction</li> <li>• Construction of small flats as well as additional set pieces that will be used in future productions.</li> <li>• Scenic painting</li> <li>• Technical aspects and basic operation of lighting technology</li> <li>• Technical aspects and basic operation of sound technology</li> <li>• Theatre history</li> <li>• Career opportunities in the realm of theatre.</li> </ul>			

THE 111	ADVANCED THEATRE ARTS	1 YEAR	1 CREDIT
PREREQUISITE:	THE 109 THEATRE		
<p>Advanced Theatre Arts is designed to teach acting and directing styles, theories, and techniques to students on an advanced level. Class instruction is performance and application based. Areas of study to be included in this class include: Acting Techniques and Theories, Audition Techniques, Monologue and Ensemble Performance, Character/Script Analysis, Stage Combat, various areas of Technical Theater, Choreography, Makeup/Costume Design, and Directing. These artistic mediums also include building life skills, time management, and social skills.</p>			

## Visual Arts Course Offerings

ART 101	INTRO TO ART (ART 1) (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		
<p>Based on the premise that everyone can learn to draw well in a very short time, this course introduces five basic perceptual skills necessary for drawing: the perception of edges and contours, space (positive &amp; negative), relationships (perspective &amp; proportion), light and shadows, and unified composition. This course is designed, by</p>			



the end of the first semester, to enable the beginning drawing student to see and draw “realistically” as an artist naturally does. It includes the application of the fundamental design principles such as balance, proportion, rhythm, emphasis, and unity by integrating the basic elements of visual art: light & dark, space, shape/form/mass, line, texture, and color. Once the core perceptual drawing skills are learned, the course begins to explore basic techniques & drawing media such as graphite, charcoal, pen & ink, mixed media collage, watercolor and acrylic painting. Various drawing techniques and other materials are introduced. This course ends with an introductory painting unit demonstrating basic color concepts.

ART 202	ART 2 (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	INSTRUCTOR APPROVAL OR ‘A’ IN ART 101		
<p>This course builds on the students’ drawing and painting skills gained from the previous Art II course. It is designed to enable the advanced art student to develop their individual artistic expression and personal artistic vocabulary in the creation of new works of art. More advanced, prolonged, drawing, painting, and mixed media projects of various subjects are explored with an emphasis on perfecting various skills and techniques while applying previously introduced fundamental concepts and elements of visual art. This course includes drawing with graphite, charcoal, pen and ink, and mixed media, painting with watercolor and acrylic on paper, wood panel, and canvas, and printmaking. The use of color will be further explored and emphasized in various projects. As students continue to develop artistically, various new subjects and opportunities will be introduced in order to prepare the student’s art portfolio for presentation. Various elements of art history are incorporated into the introduction of certain art projects. Students are taught to use sketchbooks regularly to develop ideas.</p>			

ART 303	ART 3 (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	INSTRUCTOR APPROVAL OR ‘A’ IN ART 202		
<p>This course builds on the students’ drawing and painting skills gained from the previous Art II course. It is designed to enable the advanced art student to develop their individual artistic expression and personal artistic vocabulary in the creation of new works of art. More advanced, prolonged, drawing, painting, and mixed media projects of various subjects are explored with an emphasis on perfecting various skills and techniques while applying previously introduced fundamental concepts and elements of visual art. This course includes drawing with graphite, charcoal, pen and ink, and mixed media, painting with watercolor and acrylic on paper, wood panel, and canvas, and printmaking. The use of color is further explored and emphasized in various projects. As students continue to develop artistically, various new subjects and opportunities are introduced in order to prepare the student’s art portfolio for presentation. Various elements of art history are incorporated into the introduction of certain art projects. Students are taught to use sketchbooks regularly to develop ideas.</p>			

ART 104	CREATIVE DESIGN 1 (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		
<p>This art course is a basic guide to visual fundamentals and introduces the students to two-dimensional design and three-dimensional creative design. It focuses on applied arts such as handmade Book Design, Ceramics, as well as fine arts such as Collage, Assemblage, Painting, and Sculpture. Students review six foundational design concepts and elements of visual art, found in the design of nature itself: light/darkness, space, shape/form/mass, line, pattern, and color, while applying five principles of design: balance, proportion, rhythm, emphasis, unity. First semester, students apply the fundamental visual design elements and principles as they create multiple mixed-media compositions—using such material as matte medium, torn and cut paper, collage elements and paint on wood panel and paper. Projects are often derived from the Genesis Creation account as a guide and inspiration to creating a series of compositions and design projects. Second semester projects emphasize the same fundamental design elements and principles applied to 3–D design, beginning with handmade book/box design, Ceramics, followed by Sculpture projects using Ceramics, wood, metal, paint, paper, pencil, and other materials. Some allusions to art history are incorporated into the course lessons.</p>			

ART 204	CREATIVE DESIGN 2 (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	INSTRUCTOR APPROVAL OR 'A' IN ART 104		
<p>This art course further develops each student's skills and understanding of visual fundamentals in two-dimensional design and three-dimensional creative design. It focuses on applied arts such as hand-made Book Design, Ceramics, as well as fine arts such as Collage, Assemblage, Painting, and Sculpture. First semester, students apply the fundamental visual design elements and principles as they create themed, larger mixed-media compositions—using such material as matte medium, torn and cut paper, collage elements and paint on wood panel and paper. Projects are often derived from biblical passages as a guide and inspiration to creating a series of compositions and design projects. Second semester emphasizes the same fundamental design elements and principles applied to 3–D design, beginning with handmade book/box design, Ceramics, followed by Sculpture projects using Ceramics, wood, metal, paint, paper, pencil, and other materials. Some allusions to art history are incorporated into the course lessons.</p>			

ART 304	CREATIVE DESIGN 3 (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	INSTRUCTOR APPROVAL OR 'A' IN ART 204		
<p>This advanced art class takes a closer, deeper look at design from various aspects, exploring some new media and design concepts. It is designed to further develop and take each student's skills and understanding of visual fundamentals in two-dimensional design and three-dimensional creative design to a deeper level. Idea development and creative thinking exercises and techniques are taught as part of the regular coursework and recorded in idea-books regularly throughout the course. This class focuses on understanding a variety of applied arts through creative projects such as: handmade Book Design, Product/Package Design, Typography &amp; Lettering, Graphic Design, Ceramics, Assemblage, Printmaking, Painting, and Sculpture. 1st semester, students apply the fundamental visual design elements and principles as they create themed, larger mixed-media compositions—using such material as pen and ink,</p>			

matte medium, torn and cut paper, collage elements and paint on wood panel and paper. Projects are often derived from biblical passages, literature, and architecture as a guide and inspiration to creating a series of compositions and design projects. The 2nd semester emphasizes the same fundamental design elements and principles applied to 3-dimensional design, beginning with handmade book/box/package design, ceramics, followed by sculpture projects using ceramics, wood, metal, paint, paper, pencil, and other materials. Allusions to art history are incorporated into the class lessons. This class is based on biblical principles and concepts that are foundational and integrated into each lesson.

ART 404	ART 4: FINE ART & DESIGN PORTFOLIO CAPSTONE COURSE (ELECTIVE)	1 YEAR	1 CREDIT
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PREREQUISITE:	ART 303 or ART 304
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This class is a senior capstone course that builds on students' established fine art and fundamental design skills gained from the previous Art 3 and/or Creative Design 3 class. It is designed to enable the advanced art student to develop their individual artistic expression and personal artistic vocabulary in the creation of new works of art and to do this with the ultimate goal of creating and developing each new project piece with their entire portfolio in mind, in order to put together the most excellent portfolio of artwork possible. More advanced, prolonged, drawing, painting, and mixed media projects of various subjects are explored with an emphasis on perfecting various skills and techniques while applying previously introduced fundamental concepts and elements of visual art. This course includes drawing with graphite, charcoal, pen and ink, and mixed media, painting with watercolor and acrylic on paper, wood panel, and canvas, and printmaking. The use of color will be further explored and emphasized in various projects. As students continue to develop artistically, various new subjects, and opportunities will be introduced in order to further prepare the student's art portfolio for presentation in a way that would benefit them if they were to continue to study fine art and design at a higher level and pursue an art and design career of some kind. Various elements of art history are incorporated into the introduction of certain art projects. Students are taught to use sketchbooks regularly to develop ideas. This class is based on biblical principles and concepts that are foundational and integrated into each lesson.

ART 105	INTRO TO ILLUSTRATION (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	ART 101		

This course introduces students to visual communication and the imaginative interpretation of themes and texts through illustrative drawing, painting, digital art, and mixed media projects. Various art materials and media will be employed such as pencil, colored pencil, pastel, ink, watercolor, gouache, acrylic, collage, and digital media. During the course, students will have the opportunity to explore figure drawing, narrative and editorial illustration, fictional character creation, sequential art, illuminated manuscript page design, product design, and book cover design as a part of learning and implementing a wide variety of illustration techniques. The history and artwork of various prominent illustrators will be referred to throughout the course. Sketchbooks will be provided and be utilized to enhance technical skills, expression, and imagination, and to encourage creative thinking and problem solving. Some idea-development,

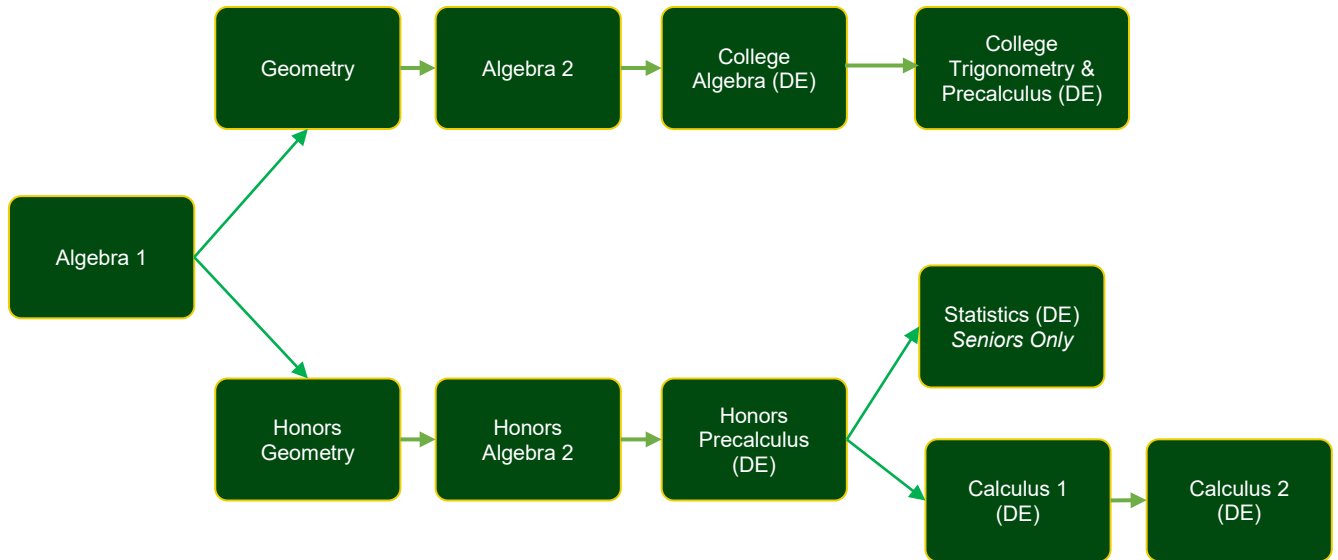
lettering, and penmanship exercises and projects may be included in the sketchbooks. This class is based on biblical principles and concepts that are foundational and integrated into each lesson.

ART 205	ILLUSTRATION 2 (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	ART 105		
<p>This course continues to explore and develop an understanding of visual language and compositional structure using the essential elements and principles of design. It introduces color theory and application in visual communication and the imaginative interpretation of themes and texts through illustrative drawing, painting, digital art, and mixed media projects. Various art materials and media will be employed such as pencil, colored pencil, pastel, ink, watercolor, gouache, acrylic, collage, and digital media. Illustration students will experiment with a variety of media, tools, and substrates and explore possibilities of illustration in black and white, color, and in wet and dry mediums to develop perceptual abilities, sensitivity to color, and compositional ideas. Black- and-white and color media will be employed to form clear concepts and give expression to the single-image story with an emphasis on picture-making procedures, from concept development to finished art. During the course, students will have the opportunity to further explore figure drawing, narrative, editorial, book illustration, fictional character creation, sequential art, illuminated manuscript page design, product design, and book cover design as a part of learning and implementing a wide variety of illustration techniques. The history and artwork of various prominent illustrators will be referred to throughout the course. Sketchbooks will be provided and be utilized to develop independent voice in illustration and to enhance technical skills, expression, and imagination, and to encourage creative thinking and problem solving in the creative process. Idea-development, lettering, and penmanship exercises and projects may be included in the sketch books. This class is based on biblical principles and concepts that are foundational and integrated into each lesson.</p>			

# Mathematics

Four credits of mathematics are required. Transcripts, standardized test scores, placement tests, and teacher recommendations will be used to place students at appropriate levels. Students must take math all four years of high school, even if they have exceeded the credits required.

## Mathematics Course Flow Chart



DE = Dual Enrollment

## Mathematics Course Offerings

MAT 110	ALGEBRA 1	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		
RECOMMENDED MATERIALS: SCIENTIFIC CALCULATOR OR GREATER (e.g., TI-84 PLUS GRAPHING CALCULATOR)			
Attention is given to solving math problems with and without technology. Algebra builds upon Pre-Algebra and further develops algebraic thinking. This is demonstrated in manipulating expressions and equations in various forms to identify characteristics on a graph or in written form. Students also explore and learn linear expressions, equations, and inequalities with application in linear systems. For the remainder of the year, students explore and learn quadratic expressions and equations, exponential equations, and rational expressions and equations, followed by an introduction to probability and statistics.			

MAT 110G	ALGEBRA 1 GEAR/MODIFIED	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		
RECOMMENDED MATERIALS: SCIENTIFIC CALCULATOR OR GREATER (e.g., TI-84 PLUS GRAPHING CALCULATOR)			
<p>Attention is given to solving math problems with and without technology. Algebra builds upon Pre-Algebra and further develops algebraic thinking. This is demonstrated in manipulating expressions and equations in various forms to identify characteristics on a graph or in written form. Students also explore and learn linear expressions, equations, and inequalities with application in linear systems. For the remainder of the year, students explore and learn quadratic expressions and equations, exponential equations, and rational expressions and equations, followed by an introduction to probability and statistics. Content of the course may be modified from the standard Algebra 1 course to accommodate the unique learning needs of the students enrolled in the class.</p>			

MAT 111	GEOMETRY	1 YEAR	1 CREDIT
PREREQUISITE:	MAT 110 ALGEBRA 1 (C OR BETTER) AND/OR PLACEMENT EXAM		
REQUIRED MATERIALS: SCIENTIFIC CALCULATOR OR GREATER (e.g., TI-84 PLUS GRAPHING CALCULATOR)			
<p>Using the concepts from Algebra, this course investigates geometric definitions, theorems, and postulates to find angle and segment measures with and without the coordinate plane. This course is highly logical, visual, and spatial. It includes topics of reasoning and proof, parallel and perpendicular lines, and relationships of triangles; in particular, congruent, similar, and right triangles. Investigation is provided to learn the properties of polygons, quadrilaterals, area, volume, and circles.</p>			

MAT 111G	GEOMETRY GEAR/MODIFIED	1 YEAR	1 CREDIT
PREREQUISITE:	MAT 110G ALGEBRA 1 GEAR/MODIFIED (C OR BETTER) AND/OR PLACEMENT EXAM		
REQUIRED MATERIALS: SCIENTIFIC CALCULATOR OR GREATER (e.g., TI-84 PLUS GRAPHING CALCULATOR)			
<p>Using the concepts from Algebra, this course investigates geometric definitions, theorems, and postulates to find angle and segment measures with and without the coordinate plane. This course is highly logical, visual, and spatial. It includes topics of reasoning and proof, parallel and perpendicular lines, and relationships of triangles; in particular, congruent, similar, and right triangles. Investigation is provided to learn the properties of polygons, quadrilaterals, area, volume, and circles. Content of the course may be modified from the standard Geometry course to accommodate the unique learning needs of the students enrolled in the class.</p>			

MAT 141	HONORS GEOMETRY	1 YEAR	1 CREDIT
PREREQUISITE:	MAT 110 ALGEBRA 1 (90% OR ABOVE) AND TEACHER RECOMMENDATION AND/OR PLACEMENT EXAM		
REQUIRED MATERIALS: SCIENTIFIC CALCULATOR OR GREATER (e.g., TI-84 PLUS GRAPHING CALCULATOR)			



Using the concepts from Algebra, this course investigates geometric definitions, theorems, and postulates to find angle and segment measures with and without the coordinate plane. This course is highly logical, visual, and spatial. This course includes an emphasis on developing an argument through writing proofs within the axiomatic system of Euclidean geometry. Also highlighted are evaluating geometric relationships, trigonometry, constructions, transformations, circles, and applications. Algebra applications complement the geometry concepts throughout the course. Emphasis in this course is placed on reasoning, logic, and complex problem solving requiring critical thinking and synthesis of mathematical concepts This is a grade-weighted course.

MAT 112	ALGEBRA 2	1 YEAR	1 CREDIT
PREREQUISITE:	MAT 111 GEOMETRY (C OR BETTER) AND/OR PLACEMENT EXAM		

**REQUIRED MATERIALS: TI-84 PLUS GRAPHING CALCULATOR**

Attention is given to solving math problems with and without technology. Algebra 2 builds upon Algebra 1 and further develops pre-cursory concepts relating to Calculus. It delves into the topics of writing, graphing, and solving functions, including linear, absolute value, quadratic, polynomial, radical, exponential, logarithmic, and rational. Real-world applications regarding the different types of functions are explored. The course also includes an introduction to sequences and series, conic sections, probability and statistics, and matrices.

MAT 112G	ALGEBRA 2 GEAR/MODIFIED	1 YEAR	1 CREDIT
PREREQUISITE:	MAT 111G GEOMETRY GEAR/MODIFIED (C OR BETTER) AND/OR PLACEMENT EXAM		

**REQUIRED MATERIALS: TI-84 PLUS GRAPHING CALCULATOR**

Attention is given to solving math problems with and without technology. Algebra 2 builds upon Algebra 1 and further develops pre-cursory concepts relating to Calculus. It delves into the topics of writing, graphing, and solving functions, including linear, absolute value, quadratic, polynomial, radical, exponential, logarithmic, and rational. Real-world applications regarding the different types of functions are explored. The course also includes an introduction to sequences and series, conic sections, probability and statistics, and matrices. Content of the course may be modified from the standard Algebra 2 course to accommodate the unique learning needs of the students enrolled in the class.

MAT 142	HONORS ALGEBRA 2	1 YEAR	1 CREDIT
PREREQUISITE:	MAT 141 HONORS GEOMETRY (80% or ABOVE) OR MAT 111 GEOMETRY (90% OR ABOVE) AND TEACHER RECOMMENDATION		

**REQUIRED MATERIALS: TI-84 PLUS GRAPHING CALCULATOR**

This course consolidates and extends algebraic skills and develops an understanding of how to handle a variety of complex problems with algebra building upon Algebra 1 further developing pre-cursory concepts relating to Calculus. Included are the topics of writing and graphing functions and solving equations including linear, absolute value, quadratic, polynomial, radical, exponential, logarithmic, and rational. Also addressed

are conic sections, matrices, and sequences and series. Attention is given to solving math problems with and without technology. Emphasis in this course is placed on mathematical argumentation and complex problem solving requiring critical thinking and synthesis of mathematical concepts. This is a grade-weighted course.

MAT 130	COLLEGE ALGEBRA	1 YEAR	1 CREDIT
PREREQUISITE:	MAT 112 ALGEBRA 2 (C OR BETTER), MAT 142 HONORS ALGEBRA 2, AND/OR PLACEMENT EXAM		
REQUIRED MATERIALS: TI-84 PLUS GRAPHING CALCULATOR			
*OPTIONAL DUAL ENROLLMENT		3 COLLEGE CREDITS	
Analysis and interpretation of the behavior and nature of functions including polynomial, rational, exponential, logarithmic, power, absolute value, and piecewise-defined functions; systems of equations, modeling and solving real world problems. Additional topics may include matrices, combinatorics, sequences and series, and conics. While dual enrollment for college credit is optional, the course is taught at a college level based on a college curriculum, expectations, and workload for all students enrolled.			

MAT 130G	COLLEGE ALGEBRA GEAR/MODIFIED	1 YEAR	1 CREDIT
PREREQUISITE:	MAT 112G ALGEBRA 2 GEAR/MODIFIED (C OR BETTER) AND/OR PLACEMENT EXAM		
REQUIRED MATERIALS: TI-84 PLUS GRAPHING CALCULATOR			
Analysis and interpretation of the behavior and nature of functions including polynomial, rational, exponential, logarithmic, power, absolute value, and piecewise-defined functions; systems of equations, modeling and solving real world problems. Additional topics may include matrices, combinatorics, sequences and series, and conics. Content of the course may be modified from the standard College Algebra course to accommodate the unique learning needs of the students enrolled in the class.			

MAT 132	COLLEGE TRIGONOMETRY & PRECALCULUS	1 YEAR	1 CREDIT
PREREQUISITE:	MAT 130 COLLEGE ALGEBRA (C OR BETTER) AND/OR PLACEMENT EXAM		
REQUIRED MATERIALS: TI-84 PLUS GRAPHING CALCULATOR			
*OPTIONAL DUAL ENROLLMENT		3 COLLEGE CREDITS	
This course builds on concepts discussed in College Algebra and primarily delves into the trigonometric functions, including their inverses and graphs, trigonometric identities and laws, series and sequences, polar coordinates, and an introduction to limits in preparation for Calculus. While dual enrollment for college credit is optional, the course is taught at a college level based on a college curriculum, expectations, and workload for all students enrolled.			

MAT 113	HONORS PRECALCULUS	1 YEAR	1 CREDIT
PREREQUISITE:	MAT 142 HONORS ALGEBRA 2 (80% or ABOVE) OR MAT 112 ALGEBRA 2 (90% OR ABOVE) AND TEACHER RECOMMENDATION AND/OR PLACEMENT EXAM; GPA OF 3.5 OR HIGHER		



REQUIRED MATERIALS: TI-84 PLUS GRAPHING CALCULATOR	
*OPTIONAL DUAL ENROLLMENT	6 COLLEGE CREDITS
<p>This course continues the study of functions and concepts discussed in Honors Algebra 2 but is more comprehensive with a goal of mastery and understanding from a Calculus point of view. It also delves into the trigonometric functions, including their inverses and graphs, trigonometric identities and laws, series and sequences, polar coordinates, and an introduction to limits in preparation for Calculus. Students are challenged to engage in problem solving and critical thinking in this rigorous course while communicating mathematically with precision in written and verbal format. While dual enrollment for college credit is optional, the course is taught at a college level based on a college curriculum with a college-level pace (covering two college courses in a year), expectations, and workload for all students enrolled. This is a grade-weighted course.</p>	

MAT 115	CALCULUS 1	1 YEAR	1 CREDIT
PREREQUISITE:	MAT 113 HONORS PRECALCULUS (80% or ABOVE), MAT 132 COLLEGE TRIGONOMETRY & PRECALCULUS (90% or ABOVE), AND/OR PLACEMENT EXAM; GPA OF 3.5 OR HIGHER		

REQUIRED MATERIALS: TI-84 PLUS GRAPHING CALCULATOR	
*OPTIONAL DUAL ENROLLMENT	4 COLLEGE CREDITS
<p>This course includes topics from analytical geometry with special emphasis on inequalities and absolute value expressions, limits, continuity, the fundamental principles and formulae for differential and integral calculus, along with their applications to geometry and mechanics, the mean value theorem, and the fundamental theorem of calculus. While dual enrollment for college credit is optional, the course is taught at a college level based on a college curriculum with college-level pace, expectations, and workload for all students enrolled. This is a grade-weighted course.</p>	

MAT 118	CALCULUS 2	1 YEAR	1 CREDIT
PREREQUISITE:	MAT 115 CALCULUS 1 (80% or ABOVE) AND/OR PLACEMENT EXAM; GPA OF 3.5 OR HIGHER		

REQUIRED MATERIALS: TI-84 PLUS GRAPHING CALCULATOR	
*OPTIONAL DUAL ENROLLMENT	4 COLLEGE CREDITS
<p>This course includes techniques of integration for both proper and improper integrals, with applications to the physical and social sciences, elements of analytical geometry, the analysis of sequences and series, and vector functions. While dual enrollment for college credit is optional, the course is taught at a college level based on a college curriculum with college-level pace, expectations, and workload for all students enrolled. This is a grade-weighted course.</p>	

STP 101	MATHEMATICAL STATISTICS	1 YEAR	1 CREDIT
PREREQUISITE:	MAT 113 HONORS PRECALCULUS, MAT 132 COLLEGE TRIGONOMETRY & PRECALCULUS, AND/OR PLACEMENT EXAM; GPA OF 3.5 OR HIGHER		

REQUIRED MATERIALS: TI-84 PLUS GRAPHING CALCULATOR	
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*OPTIONAL DUAL ENROLLMENT	3 COLLEGE CREDITS
<p>This course is designed as a college-level course about the basic language and fundamental idea of statistics. These ideas include data analysis, production and collection, the ability to interpret statistical graphs and charts, and the capacity to select an appropriate technique to answer a research question. While dual enrollment for college credit is optional, the course is taught at a college level based on a college curriculum with college-level pace, expectations, and workload for all students enrolled. This is a grade-weighted course.</p>	



# Physical Education

Six electives are required (seven if a PE course is not taken). Academic electives are strongly recommended for all college-bound students.

## Physical Education Course Offerings

One year of physical education is required. There are two ways to meet this requirement:

1. The student may enroll in one year (2 semesters) of Gilbert Christian High School PE, for which credit is given;
- or-
2. The physical education requirement may be met by a student’s participation in a Gilbert Christian High School sports team for two seasons or outside athletic organization (pending administration approval and enrollment in Independent PE).

PPE 109	LIFETIME SPORTS (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		
Christ-centered physical education emphasizes sportsmanship, participation, leadership, in a skill-based learning environment. A basic understanding of fundamental movements such as running, jumping, kicking, and throwing is taught through sports and traditional PE games (e.g., dodgeball, kickball, four corners). Opportunities are provided for students to develop skills in soccer, volleyball, basketball, lacrosse, flag football, badminton, pickleball, spikeball, and ultimate frisbee. Students are evaluated based on participation, sportsmanship, leadership, and safety. This course may be repeated for credit.			

PPE 111	STRENGTH TRAINING (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		
This course is designed to develop muscular strength, power, endurance, flexibility, and safety in strength training. Weight room safety, warm-up/cool down procedures, lifting technique, safety for all lifts, and major muscle identification are all important components in this course. In addition, students will monitor and improve their fitness levels by participating in max testing throughout the semester. The results are achieved in a fun and supportive setting. This course may be repeated for credit.			

PPE 113	INDEPENDENT STUDY PE (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	ADMINISTRATION APPROVAL		
This course is designed for students who receive sport-specific training that is not available through Gilbert Christian High School. The students must keep a log of their hours involved in training, and they must be signed by a certified trainer. A log sheet is due every three weeks. Students are also required to submit both short and long-term			

goals that have been discussed with their certified trainer. The students must complete a minimum of 90 hours of training per semester to receive an “A” grade. This course is available 1<sup>st</sup> and 7<sup>th</sup> period, and the students must receive prior approval from administration to enroll. This course may be repeated for credit.

PPE 117	BODY FIT – ADVANCED FITNESS (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	NONE	<b>**WOMEN ONLY**</b>	

This course is designed to build, define, and create a strong, functionally fit and athletically able body. Students learn form and functions of a variety of exercises. The focus is on workouts that stabilize and strengthen the core, burn calories through brief but intense cardio, and exercises that build overall strength and flexibility using one’s own body weight, light weights, balance, isometrics, Pilates and other stretching techniques. Through meditating on God’s Word and stretch routines, students will learn about how the physical, mental, and spiritual are interconnected in their created design. Although only those serious about working out and achieving results need enroll, results are achieved in a fun, supportive and edifying setting. Physical, functional, fun, yet challenging routines are performed each class allowing students to feel like they are never doing the same thing twice, yet their strengthening bodies will be adapting to each added challenge as they capably rise to meet it. This course is for PE credit. This course may be repeated for credit.

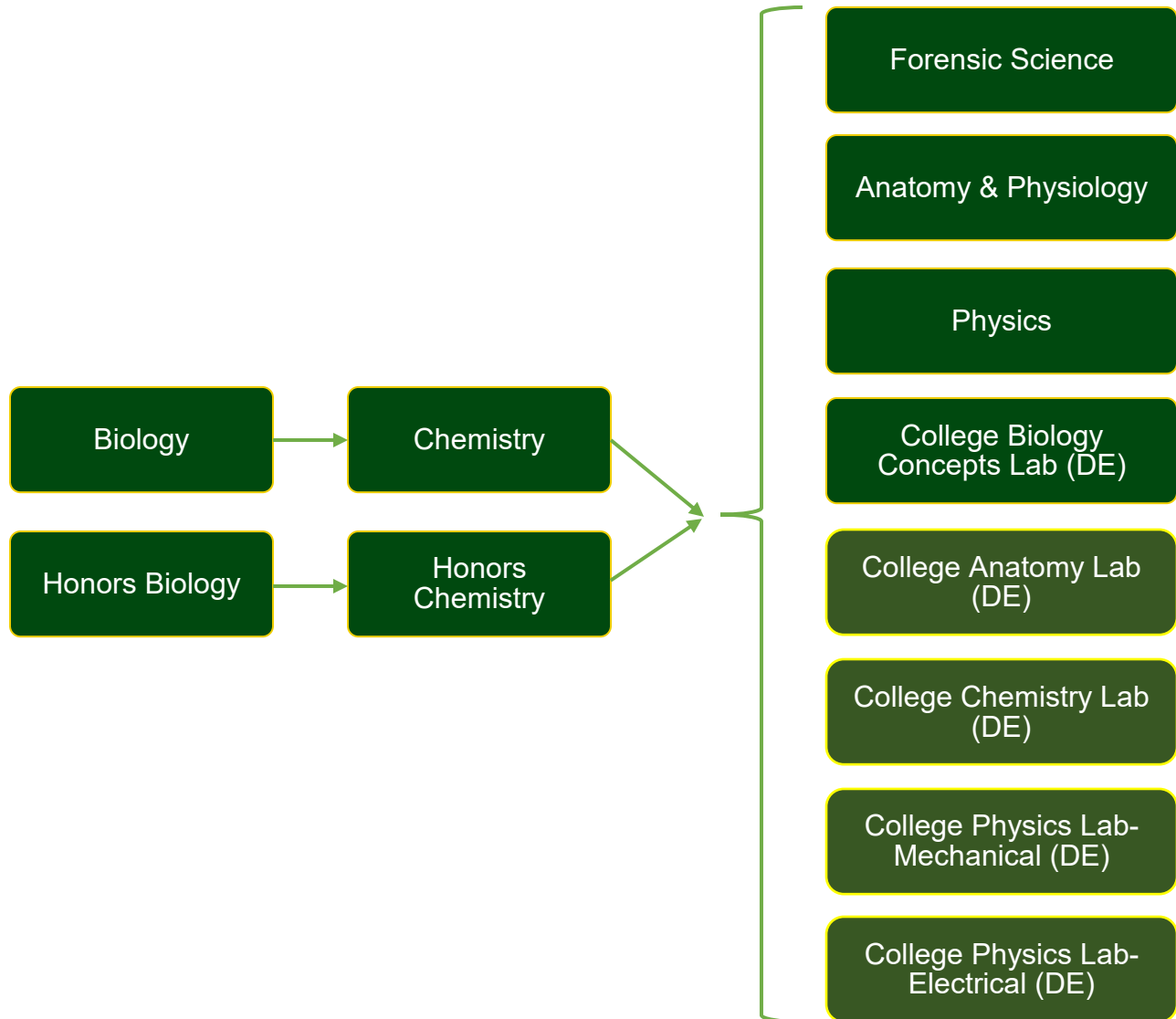
PPE 120	ATHLETIC DEVELOPMENT & PERFORMANCE TRAINING	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		

This course is designed to develop an athlete in all areas through specified training. This class is for the serious athlete desiring to improve their performance and potentially get to the next level. All workouts require hard work, a positive attitude, teamwork, and self-motivation. Training will include exercises for agility, speed, mobility, movement mechanics, strength (weights), power, flexibility, and balance. It will also cover mental focus, confidence, and nutrition. This class rotates time between being in the gym, on the field, and in the weight room. Athletic testing will occur 2-3 times per semester along with quarterly nutrition journals. Results are achieved in a fun & supportive setting. This course may be repeated for credit.

# Science

Three credits of lab science are required to earn a GCHS diploma. Two of these must be Biology and Chemistry. In addition to the science courses listed below, Sports Med courses in the Career and Technical Education Department can also be used to help satisfy the lab science graduation requirement.

## Science Courses Flow Chart



*DE = Dual Enrollment*



## Science Course Offerings

BIO 101	BIOLOGY LAB	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		
<p>This biology lab course is a college-prep biology course that provides a detailed introduction to the methods and concepts of general biology. Heavily emphasizing the vocabulary of biology, it provides the student with a strong background in the scientific method, the five-kingdom classification scheme, microscopy, biochemistry, cellular biology, molecular and Mendelian genetics, evolution, dissection, and ecosystems. It also provides a complete survey of the five kingdoms in creation along with discussion of the proposed changes to the standard system of taxonomy.</p>			

BIO 104	HONORS BIOLOGY LAB	1 YEAR	1 CREDIT
PREREQUISITE:	'A' OR 'B' IN ALGEBRA AND SCIENCE TEACHER RECOMMENDATION		
<p>Honors Biology is the study of living organisms, their origins, how they survive, reproduce, change over time, and interact with each other and their environments. The Honors Biology curriculum is an introductory, but accelerated course taught in two semesters of the freshman year of high school. The primary objective of the course is to provide students with a fundamental understanding of modern biology and scientific processes, building a foundation for success in the college level Biology courses to follow. Course material is roughly divided as follows: 35% molecules and cells, 35% origins science, worldview and genetics, and 30% organisms and populations. Nature of science will be taught throughout the year. Honors Biology is recommended for high-achieving students and for students who have a particular interest in biology and the natural sciences. Students will be ultimately responsible for their learning; therefore, they should be organized, prepared, and motivated to learn every day. The Honors Biology curriculum differs from the regular Biology curriculum in meaningful ways. The Honors course places a higher priority on developing critical thinking skills by examining real-world problems. The Honors curriculum examines topics with more depth and includes more advanced resource material in addition to the adopted text. Laboratory investigations play a more prominent role in the Honors course. Labs are more sophisticated than in the regular curriculum and students are expected to design and carry out experiments using appropriate methods and resources. This is grade-weighted course.</p>			

BIO 102	HUMAN ANATOMY & PHYSIOLOGY LAB	1 YEAR	1 CREDIT
PREREQUISITE:	CHM 101 CHEMISTRY LAB OR CHM 104 HONORS CHEMISTRY LAB	**JUNIORS AND SENIORS ONLY**	
<p>Study of structure and function of the human body. Topics include cells, tissues, integumentary system, skeletal system, muscular system, endocrine, digestive, excretory, circulatory, respiratory, reproductive and nervous system. Lab work includes activities for each unit, as well as a cat dissection covering the body systems.</p>			

BIO 145	COLLEGE BIOLOGY CONCEPTS LAB	1 YEAR	1 CREDIT
PREREQUISITE:	'A' or 'B' in CHM 104 HONORS CHEMISTRY LAB OR 'A' in CHM 101 CHEMISTRY LAB; GPA OF 3.5 OR HIGHER	** JUNIORS AND SENIORS ONLY**	
*OPTIONAL DUAL ENROLLMENT		6 COLLEGE CREDITS	
<p>College Biology Concepts Lab will be a dual enrollment course where students will investigate biological concepts at an introductory college level. As the subsequent courses to both High School Biology and Chemistry, this course will cover similar concepts in greater depth and velocity. This course will cover creation and origins science, cell theory, basics of life, cellular respiration and photosynthesis, genetics, plant biology and ecology, fungi, bacteria, and animal morphology and taxonomy. Labs will be conducted throughout the year to both learn and reinforce the topics covered. While dual enrollment for college credit is optional, the course is taught at a college level based on a college curriculum with college-level pace, expectations, and workload for all students enrolled. This is a grade-weighted course.</p>			

BIO 201	COLLEGE HUMAN ANATOMY & PHYSIOLOGY LAB	1 YEAR	1 CREDIT
PREREQUISITE:	'A' or 'B' in CHM 104 HONORS CHEMISTRY LAB OR 'A' in CHM 101 CHEMISTRY LAB; GPA OF 3.5 OR HIGHER	** JUNIORS AND SENIORS ONLY*	
*OPTIONAL DUAL ENROLLMENT		6 COLLEGE CREDITS	
<p>This dual enrollment course will focus on a broad survey of human anatomy and the associated functions (physiology) that comprise the processes of life within a human. As humans created in the image of God, study of the human body is treated as a way to better know the Creator who made us, the creation he gave us to care for, and to care for those around us in a loving way. The sanctity and value of life are implicit in understanding the human body and its associated functions. The course will start with a basic understanding of the lowest level of organizations such as internal anatomical organization, and will then build upon one another and to learn higher levels of organization and how structure leads to function. For example, topics will include biochemical, cellular, tissue, and systems processes that allow for life and provide for human structural support, movement, and internal communication. Once the basic structure of life is learned then the organ systems will be covered with the structure and function of the integumentary, skeletal, muscular, and nervous systems explored in the first portion with the other systems (digestive, endocrine, reproductive, etc.) covered in the second half of the course. While dual enrollment for college credit is optional, the course is taught at a college level based on a college curriculum with college-level pace, expectations, and workload for all students enrolled. This is a grade-weighted class.</p>			

CHM 101	CHEMISTRY LAB	1 YEAR	1 CREDIT
PREREQUISITE:	BIO 101 BIOLOGY LAB OR BIO 104 HONORS BIOLOGY LAB		
<p>This chemistry lab course gives the student a rigorous foundation in chemistry in order to prepare the student for a college-level course. The course covers significant figures, units, classification, the mole concept, stoichiometry, thermodynamics, kinetics, acids and bases, solutions, atomic structure, Lewis structures, molecular geometry, the gas laws, and equilibrium.</p>			

CHM 104	HONORS CHEMISTRY LAB	1 YEAR	1 CREDIT
PREREQUISITE:	'A' OR 'B' IN BIO 104 HONORS BIOLOGY LAB OR 'A' IN BIO 101 BIOLOGY LAB		
<p>This honors chemistry lab course gives the student a rigorous foundation in chemistry in order to prepare the student for a college-level course. The course covers significant figures, units, classification, the mole concept, stoichiometry, thermodynamics, kinetics, acids and bases, solutions, atomic structure, Lewis structures, molecular geometry, the gas laws, and equilibrium. The Honors course places a higher priority on developing critical thinking skills by examining real-world problems. The Honors curriculum examines topics with more depth and includes more advanced resource material in addition to the adopted text. Laboratory investigations play a more prominent role in the Honors course. Labs are more sophisticated than in the regular curriculum and students are expected to design and carry out experiments using appropriate methods and resources. This is a grade-weighted course.</p>			

CHM 140/141	COLLEGE CHEMISTRY LAB	1 YEAR	1 CREDIT
PREREQUISITE:	'A' or 'B' in CHM 104 HONORS CHEMISTRY OR 'A' in CHM 101 CHEMISTRY; GPA OF 3.5 OR HIGHER		
*OPTIONAL DUAL ENROLLMENT		6 COLLEGE CREDITS	
<p>This advanced chemistry lab course covers detailed descriptions of limiting-reagent stoichiometry, atomic and molecular orbitals, intermolecular forces, solutions, equilibrium, acids and bases, redox reactions, nuclear chemistry, intro organic chemistry, solution properties, acids and bases, ionic equations, oxidation reduction, kinetics, descriptive chemistry of the elements, nuclear chemistry, and an introduction to organic chemistry. While dual enrollment for college credit is optional, the course is taught at a college level based on a college curriculum with college-level pace, expectations, and workload for all students enrolled. This is a grade-weighted class.</p>			

PHY 101	PHYSICS LAB	1 YEAR	1 CREDIT
PREREQUISITE:	CHM 101 CHEMISTRY OR CHM 104 HONORS CHEMISTRY AND MAT 112 ALGEBRA 2/MAT 142 HONORS ALGEBRA 2		
<p>The physics lab course is an introductory level course covering the concepts of Newton's laws, statics, dynamics, optics, DC circuits, waves, electromagnetism, two-dimensional vectors, gravity, work, and energy. Lab work is included in the course. Grade is based on daily assignments, lab work, and exams. Focus on labs and developing concepts.</p>			



PHY 144	COLLEGE PHYSICS LAB (MECHANICAL)	1 YEAR	1 CREDIT
PREREQUISITE:	'A' or 'B' in CHM 104 HONORS CHEMISTRY OR 'A' in CHM 101 CHEMISTRY AND MAT 112 ALGEBRA 2/MAT 142 HONORS ALGEBRA 2; GPA OF 3.5 OR HIGHER		
*OPTIONAL DUAL ENROLLMENT		5 COLLEGE CREDITS	
<p>This advanced physics lab course is the equivalent of one college freshman course. This course includes 1D - 3D motion analysis, vectors, momentum, energy, angular momentum, forces and motion. Course will have lectures, labs and 1 semester project chosen by the student. Secular textbooks are included in the required readings. (Halliday &amp; Resnick - Physics Fundamentals) While dual enrollment for college credit is optional, the course is taught at a college level based on a college curriculum with college-level pace, expectations, and workload for all students enrolled. This is a grade-weighted course.</p>			

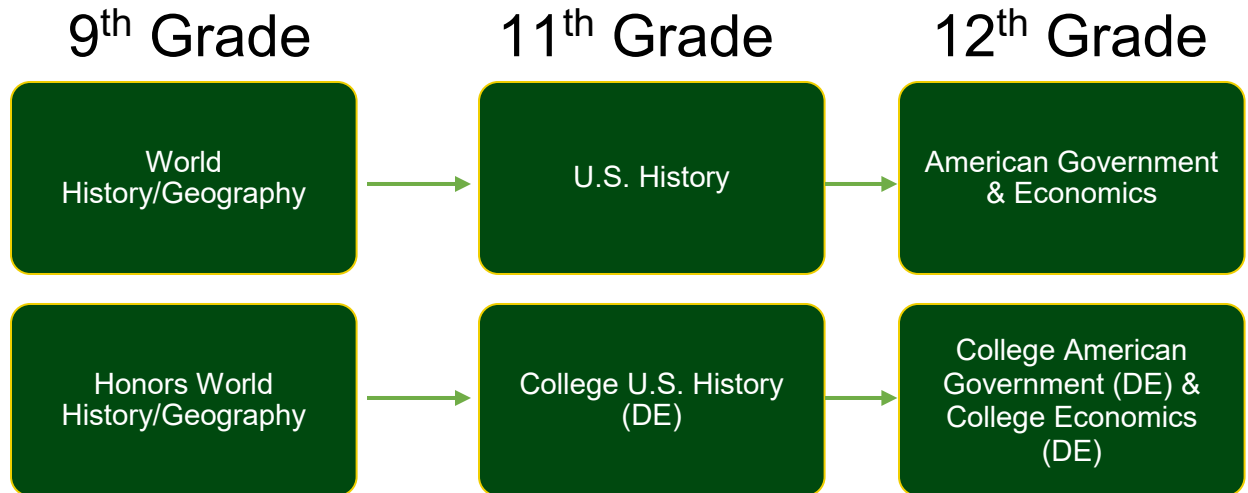
PHY 146	COLLEGE PHYSICS LAB (ELECTRICAL)	1 YEAR	1 CREDIT
PREREQUISITE:	'A' or 'B' in CHM 104 HONORS CHEMISTRY OR 'A' in CHM 101 CHEMISTRY AND MAT 112 ALGEBRA 2/MAT 142 HONORS ALGEBRA 2; GPA OF 3.5 OR HIGHER		
*OPTIONAL DUAL ENROLLMENT		5 COLLEGE CREDITS	
<p>This advanced physics lab course is the equivalent of one college freshman course. This course includes sound waves, electric fields, electric circuits, magnetic fields, optics, nuclear reactions, and modern physics. Course will have lecture, labs and 1 semester project chosen by the student. Secular textbooks are included in the required readings. (Halliday &amp; Resnick - Physics Fundamentals) While dual enrollment for college credit is optional, the course is taught at a college level based on a college curriculum with college-level pace, expectations, and workload for all students enrolled. This is grade-weighted course.</p>			

FOSC 101	FORENSIC SCIENCE LAB	1 YEAR	1 CREDIT
PREREQUISITE:	CHM 101 CHEMISTRY OR CHM 104 HONORS CHEMISTRY		
<p>This course examines the principles, theories, and practices of forensic science utilized within the law enforcement community and the American legal system. Forensic science is the study and application of science to the process of law and involves the collection, examination, evaluation, and interpretation of evidence. Students will gain a basic understanding of the scientific and analytical approach to determining the value of evidence as it relates to the court of law. In addition to teaching from a Christian worldview, students will evaluate the ethics and morals of forensic science and technology.</p>			

# Social Studies

Three credits of social studies are required to earn a GCHS diploma: World History/Geography, US History, and American Government/ Economics.

## Social Studies Courses Flow Chart



*DE = Dual Enrollment*

## Social Studies Course Offerings

HIS 113	WORLD HISTORY/GEOGRAPHY	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		
<p>Functioning from a Christian worldview, this course examines the major issues in Western &amp; Non-Western World history from prehistoric times, progressing to the birth of civilizations and up through the Modern Era. It discusses the underlying causes, issues, context, and key people behind significant events in our world's development. The course emphasizes God's sovereign plan and religion's vital contribution to the human experience. Our survey will also examine the physical and cultural geography of Earth. It utilizes a variety of media, reference works, and supplemental reading assignments to evaluate concepts such as religion, exploration, imperialism and industrialism so that students will understand how and why the world functions in the present day.</p>			

HIS 116	HONORS WORLD HISTORY/ GEOGRAPHY	1 YEAR	1 CREDIT
PREREQUISITE:	CONCURRENT ENROLLMENT IN ENG 209 ENGLISH 9 HONORS		
<p>Honors World History/Geography is a dynamic and engaging exploration of human civilization through the lens of Christian values. Students will be examining the</p>			

intersections of faith, culture, and global events that span the ancient world to the present day. This survey of history will also examine the impact of both physical and cultural geography. The course is designed to foster critical thinking, analytical skills, and an understanding of the impact of Christianity on the course of history. By the end of the academic year, students will not only have a greater understanding of world history but will also develop a discerning perspective that integrates their faith into their understanding of the past.

HIS 109	UNITED STATES HISTORY	1 YEAR	1 CREDIT
PREREQUISITE:	HIS 113		
<p>This course examines the major issues in American history from pre-colonial exploration and settlement to the present. It discusses the underlying causes, issues, context, and key people behind significant events in the nation's development. The course emphasizes religion's vital contribution to American heritage, the Constitution, and the framework and operation of our government systems. It uses a variety of primary source documents: media, reference works, and supplemental reading assignments to evaluate both American foundational events, as well as the country's position, role, and influence in the modern-world economy and culture.</p>			

HIS 201/202	COLLEGE UNITED STATES HISTORY	1 YEAR	1 CREDIT
PREREQUISITE:	HIS 113 AND/OR TEACHER RECOMMENDATION; GPA OF 3.5 OR HIGHER		
*OPTIONAL DUAL ENROLLMENT		6 COLLEGE CREDITS	
<p>This course is a survey of the key events, people and concepts critical to the development of the United States. The first semester covers the timeframe from early exploration through the Civil War. The second semester covers the timeframe from Reconstruction to the present. We will examine political, social, and cultural forces in the American experience. Topics to include Colonization, American Revolution, US Constitution, Westward Expansion, the Civil War, industrialization, political campaigns, and social revolutions of the 20th century. While dual enrollment for college credit is optional, the course is taught at a college level based on a college curriculum with college-level pace, expectations, and workload for all students enrolled. This is a grade-weighted course.</p>			

HIS 110	ECONOMICS	1 SEMESTER	0.5 CREDITS
PREREQUISITE:	HIS 113 and HIS 109 or HIS 201/202	**SPRING SEMESTER**	
<p>This course surveys basic economic principles and how these principles work in business firms, financial markets, and government. Topics covered include supply and demand analysis, determination of market prices, profit maximizing output, distribution of income, Gross Domestic Product, and fiscal and monetary policy. The course stresses free market ideals and Christian economic values throughout.</p>			

HIS 205	COLLEGE ECONOMICS	1 SEMESTER	0.5 CREDITS
PREREQUISITE	HIS 201/202 OR HIS 109 WITH TEACHER RECOMMENDATION; GPA OF 3.5 OR HIGHER	**SPRING SEMESTER**	
*OPTIONAL DUAL ENROLLMENT		3 COLLEGE CREDITS	
<p>This course explores the fundamental economic question of the behavior of consumers, firms, and markets under the constrictions of scarcity. Topics covered include supply and demand analysis, determination of market prices, profit maximizing output, distribution of income, Gross Domestic Product, and fiscal and monetary policy. The course is a very interactive, seminar style, discussion-based course, utilizing the Socratic method. Students will gain experience in the critical assessment of primary sources, as well as sharpening skills in organizing data and concepts from readings and discussion. A variety of assessments are used including: projects, debates, class participation, tests, quizzes, reports, simulations, and a final exam/project. The course stresses free-market ideals and Christian economic values throughout. In all, this course moves through information at a level that is a reflective of collegiate expectations. This is a grade-weighted course.</p>			

HIS 110	AMERICAN GOVERNMENT	1 SEMESTER	0.5 CREDITS
PREREQUISITE:	HIS 113 AND HIS 109 OR HIS 201/202	**FALL SEMESTER**	
<p>This course traces the foundational ideas, philosophies, religious doctrines, and cultural events that culminated in a historically unique governmental proposition – the U.S. Constitution. It underscores the responsibilities of Christian citizenship within society. The course emphasizes Biblical governmental principles, the functions and interactions of the branches and levels, political parties, elections, pressure groups, citizenship, economics, and current events. The student attains a thorough, detailed understanding of the original intent of the framers for our government and contrasts it to modern interpretation and application.</p>			

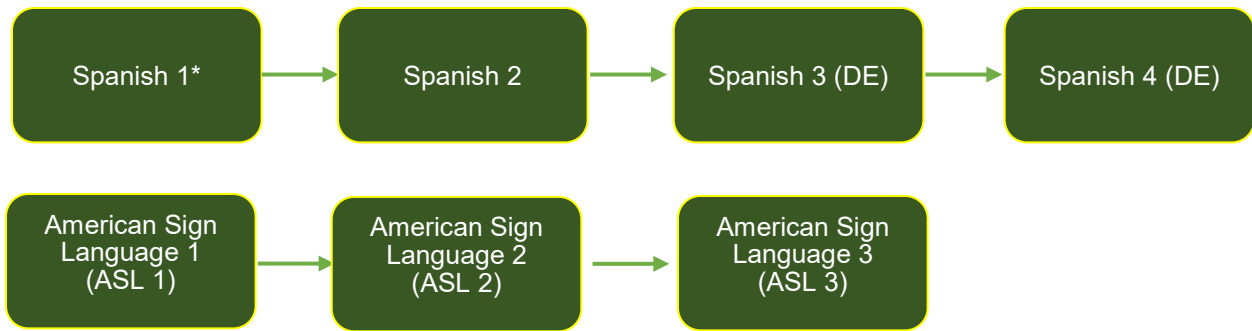
HIS 205	COLLEGE AMERICAN GOVERNMENT	1 SEMESTER	0.5 CREDITS
PREREQUISITE:	HIS 201/202 OR HIS 109 WITH TEACHER RECOMMENDATION; GPA OF 3.5 OR HIGHER	**FALL SEMESTER**	
*OPTIONAL DUAL ENROLLMENT		3 COLLEGE CREDITS	
<p>This course explores the structure, dynamics and processes of the American system of government, providing a comprehensive introduction to the origins and development of ideas and institutions that influence the contemporary political milieu. The course examines the development and composition of the Declaration of Independence, the United States Constitution, the three branches of government, political parties, and interest groups within the framework of the historical, economic and social context. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and</p>			

politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. The course is a very interactive, seminar style, discussion-based course, utilizing the Socratic method. Students will gain experience in the critical assessment of primary sources, as well as sharpening skills in organize data and concepts from readings and discussion. A variety of assessments are used when compiling student grades including: projects, debates, class participation, tests, quizzes, reports, simulations, and a final exam/project. This is a grade-weighted course.

# World Languages

Two credits of the same world language are required.

## World Languages Courses Flow Chart



\*May be completed in 8th grade

DE = Dual Enrollment

## World Language Course Offerings

ASL 101	AMERICAN SIGN LANGUAGE (ASL) 1	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		
In this introductory American Sign Language course, students learn the basics of this visual language and explore the Deaf Culture. Students broaden their concept of communication through connections and comparisons to their own culture and community.			

ASL 102	AMERICAN SIGN LANGUAGE (ASL) 2	1 YEAR	1 CREDIT
PREREQUISITE:	ASL 701 (C OR BETTER)		
This course reinforces the fundamental skills acquired in the American Sign Language 1 course. Students continue their journey in learning ASL by increasing interpretive and communication skills of this visual language while continuing to explore the Deaf culture. Students broaden their concept of communication through connections and comparisons to their own culture and community.			

ASL 103	AMERICAN SIGN LANGUAGE (ASL) 3	1 YEAR	1 CREDIT
PREREQUISITE:	ASL 702 (C OR BETTER)		
This course is an intermediate level course building on ASL 2 in which students will expand their ability to communicate in a variety of settings about an increasing number of topics. Communicative functions will continue to be practiced in meaningful real-life contexts as students acquire greater breadth & depth of vocabulary & grammar. It will			



also expand their understanding of such advanced grammatical features as the use of classifiers, spatial visualization, role play and eye gaze in storytelling & everyday conversation.

SPA 109	SPANISH 1	1 YEAR	1 CREDIT
PREREQUISITE:	NONE		
<p>¡Anímense! This course encourages a strong foundation to the language using total physical response, Scripture and songs to set students on their way in language development. Students will learn language structure (grammar) and basic conversation skills, as well as develop skills in listening, reading and writing. The Spanish club will also encourage cultural interaction and travel to better equip the students with the relevance of learning the language.</p>			

SPA 110	SPANISH 2	1 YEAR	1 CREDIT
PREREQUISITE:	SPA 109 (C OR BETTER)		
<p>¡Avancemos! This course builds on the foundation of Spanish 1 and advances into a new and deeper understanding of the language. Speaking is emphasized, and conversation topics are more advanced. Students will learn key scriptural passages to better equip them to express truth in Spanish. The goal of this course is to encourage world love and understanding of Spanish-speaking peoples and equip the students to speak and interact with Spanish speakers.</p>			

SPA 111	SPANISH 3 (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	SPA 110 (C OR BETTER); GPA OF 3.5 OR HIGHER		
*OPTIONAL DUAL ENROLLMENT	6 COLLEGE CREDITS		
<p>¡Vámonos! Knowing Spanish opens a new world that would otherwise be closed to you! This course is an accelerated study of Spanish for students with previous Spanish coursework. We emphasize speaking Spanish in conversation. We learn the key story of the World/Bible concentrating on key passages. God has given the diverse gift of language and culture so that we can engage with a broader world with truth and love. We will learn the grammar and usage that will help students go beyond basic Spanish. Students at this level are encouraged to take a mission trip with the Spanish Club in a Spanish-speaking context. This is a grade-weighted course.</p>			

SPA 112	SPANISH 4 (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	SPA 111 (C OR BETTER); GPA OF 3.5 OR HIGHER		
*OPTIONAL DUAL ENROLLMENT	6 COLLEGE CREDITS		
<p>¡Adelante! We build on the foundation of Spanish learned from previous coursework. Spanish 4 encourages students to own the language. There is a great emphasis on speaking, conversing, and expressing more complex ideas. Students are taught gospel story from the Bible and how to express it in conversation. Students will be challenged to understand and use the language to better express themselves towards greater fluency. Students at this level are encouraged to take a mission trip with the Spanish Club in a Spanish-speaking context. This is a grade-weighted course.</p>			



## Other

POS 105	STUDENT COUNCIL (ELECTIVE)	1 YEAR	1 CREDIT
PREREQUISITE:	ELECTED TO OFFICE		
<p>The Gilbert Christian High School Student Council consists of elected students representing their class to promote leadership and student participation through school activities conducted on campus. This course teaches the fundamentals of student government, which includes learning about running special events, campaigns, and voting, including marketing and funding for such events. Students also learn the operations of a constitution, term of office, bylaws, etc. In addition, students focus on the different characteristics of God and how they can be applied in student council and everyday life, as well as having a servant heart for others. Students also serve as mentors for new students at Gilbert Christian High School. Students wishing to participate in STUCO must apply and be approved by faculty prior to be placed on the ballot.</p>			

SH1	HIGH SCHOOL STUDY HALL (ELECTIVE)	1 YEAR	NO CREDIT
PREREQUISITE:	GRADE 11 OR 12		
<p>Supervised study period available to students in grades 11 or grade 12. Maximum number of semesters of study is 4 over the course of a student's high school enrollment.</p>			