

GILBERT CHRISTIAN SCHOOLS

Serving our Lord one student at a time



2015 - 2016

Gilbert Christian High School Course Catalog

Adopted: December 17, 2009 | Revised: September 30, 2015

GILBERT CHRISTIAN HIGH SCHOOL DIPLOMA REQUIREMENTS

BIBLE

One credit of Bible is required for each year of attendance at GCHS.

ENGLISH

Four credits of English are required.

FINE ARTS

One performing arts class is required.

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, Geometry, and Pre-Calculus are strongly recommended for all college-bound students.

PHYSICAL EDUCATION

One year of physical education is required. There are two ways to meet this requirement: (1) The student may enroll in one year of Gilbert Christian High School PE, for which credit is given; or (2) The physical education requirement may be waived by a student's participation in a Gilbert Christian High School sports team or outside athletic organization. If a student logs and verifies 90 hours of participation in an organized sport (45 hours is a typical season), then the student has fulfilled the physical education high school diploma requirement, but no credit is given.

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.

FOREIGN LANGUAGE

Two credits of the same foreign language are required.

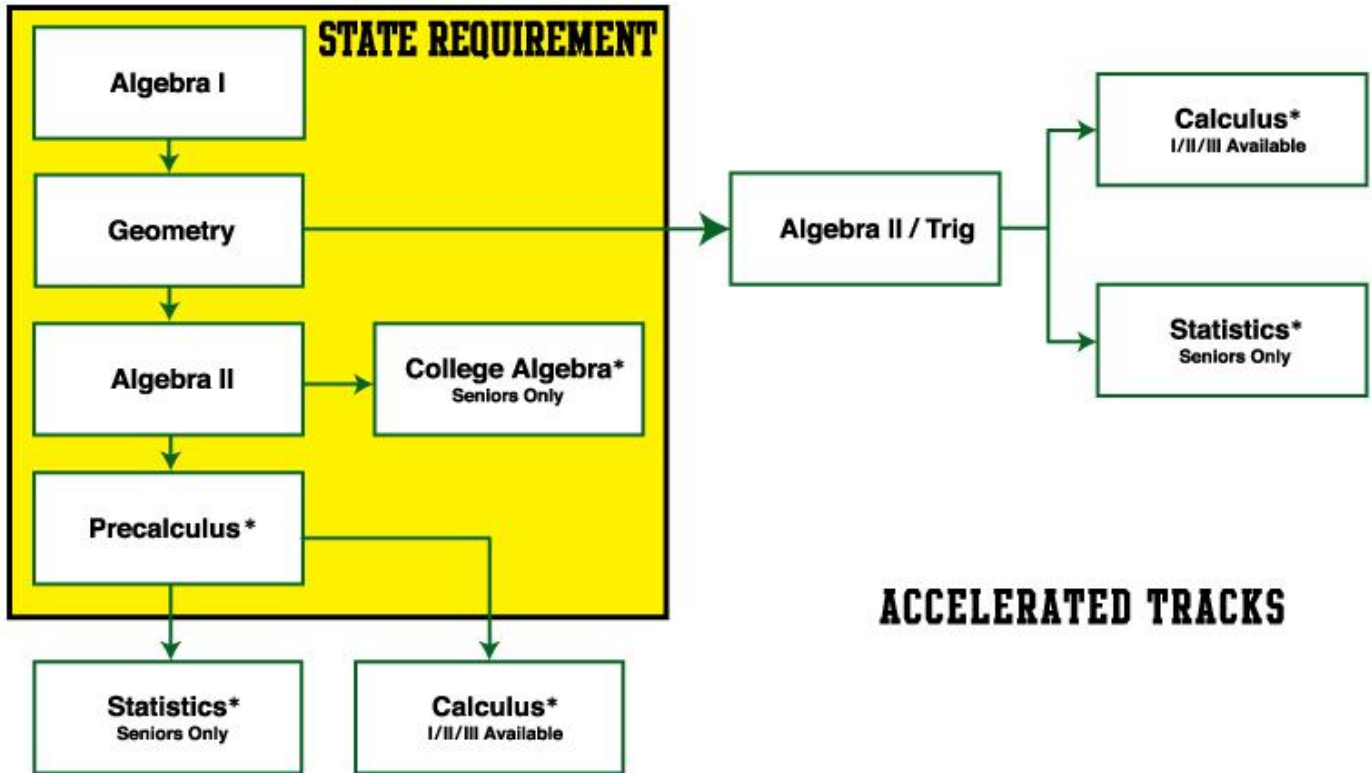
ELECTIVES

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

CREDITS REQUIRED FOR GRADUATING SENIORS:

Students attending GCHS all four years must have 28 credits to graduate. At no time can a student graduate with less than 22 credits.

GILBERT CHRISTIAN HIGH SCHOOL MATH TRAJECTORY



ACCELERATED TRACKS

*Dual Enrollment Available

NEW FOR 2015-2016

In-Class Instruction:

Creative Writing (semester-long English elective)

Dance (year-long PE elective)

Intro to Music Production (semester-long Fine Arts elective)

Literature (semester-long English elective)

ONLINE CLASS POLICY

For the 2015-16 school year, Gilbert Christian High School is offering several online courses to supplement our regular course offerings. Any 10th through 12th grade students may select one of these courses as one of their classes. Administrative approval is required for any freshman wanting to take an online course.

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 course work. All grades will come directly from the online teacher.

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.

Juniors and seniors (with Administrator approval) may take an online dual enrollment course through Grand Canyon University. However, he/she *must* commit to 2 classes per semester (i.e., one per quarter).

GCHS ONLINE COURSES/QUICK REFERENCE

Digital Photography (semester)
Health (semester)
Intro to Computer Science (semester)
Intro to Computer Technology (semester)
Intro to Medical Terms (semester)
Intro to Web Development (semester)
Latin 1, 2, 3 (year)
Life Skills/Personal Development (semester)

***GCU ONLINE DUAL ENROLLMENT COURSES/QUICK REFERENCE**

General Psychology
Intro to Justice Studies
Intro to Management
Intro to Sports Management
Principles of Marketing
Principles of Sociology

***MUST COMMIT TO 2 COURSES PER SEMESTER (I.E., 1 COURSE PER QUARTER)**

BIBLE

One year of Bible is required for each year of attendance at GCHS.

BIBLE109 : NEW TESTAMENT **1 YEAR** **1 CREDIT**
PREREQUISITES: NONE

Freshman 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.

BIBLE110 : OLD TESTAMENT **1 YEAR** **1 CREDIT**
PREREQUISITES: NONE

Sophomore Bible provides students with a survey through the 39 books of the Old Testament giving attention to 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 & lives.

BIBLE111 : INTRODUCTION TO THEOLOGY **1 YEAR** **1 CREDIT**
PREREQUISITES: NONE

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 will be included.

BIBLE112 : INTRODUCTION TO APOLOGETICS **1 YEAR** **1 CREDIT**
PREREQUISITES: NONE

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 against today’s most prominent challenges, including the three fastest growing religions in the West: Islam, Mormonism and the Occult. Third quarter explores hot topics like Truth, Ethics, the Problem of Evil, Abortion, Homosexuality, etc., while the fourth quarter focuses on the Book of Proverbs. The goal is to give students God’s wisdom, something seniors especially need as they are on the cusp of making the most important decisions of their lives. Enrichment books will also be included.

BIBLE212 : WORLD RELIGIONS **1 YEAR** **1 CREDIT**
DUAL ENROLLMENT **3 COLLEGE CREDITS**
PREREQUISITES: NONE

Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This course is identical in scope and offered in the same classroom as BIBLE112 listed above. The only difference is that this course is offered as dual enrollment for 3 credit hours.

BUSINESS/GCU ONLINE

The following are dual enrollment classes through Grand Canyon University. Juniors and seniors (with Administrator approval) may take a dual enrollment, online course through Grand Canyon University. However, he/she *must* commit to 2 classes per semester (i.e., one per quarter). Each course is worth 4 college credits, so you have the opportunity to earn 8 college credits per semester. There is also a fee associated with each course, plus the cost of materials.

PLEASE NOTE: Even though these are introductory courses and do not require a prerequisite, they will require a great deal of outside work. Therefore, only juniors and seniors that have shown discipline, a good work ethic, and the ability to perform at a college level will be approved.

BUS700 : INTRODUCTION TO SPORTS MANAGEMENT (ELECTIVE)	9 WEEKS	0.25 CREDIT
DUAL ENROLLMENT	ONLINE*	4 COLLEGE CREDITS
PREREQUISITES: NONE		

Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This course is an overview of the business of sports, including career opportunities, as well as a study of the value of professional management to sports organizations. This is a grade-weighted class.

JUS700 : INTRODUCTION TO JUSTICE STUDIES (ELECTIVE)	9 WEEKS	0.25 CREDIT
DUAL ENROLLMENT	ONLINE*	4 COLLEGE CREDITS
PREREQUISITES: NONE		

Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This course provides an introduction to the basic components of the criminal justice system in the United States today: corrections, courts, and law enforcement. This course would be counted as a Social Studies Elective. This is a grade-weighted class.

MGT700 : INTRODUCTION TO MANAGEMENT (ELECTIVE)	9 WEEKS	0.25 CREDIT
DUAL ENROLLMENT	ONLINE*	4 COLLEGE CREDITS
PREREQUISITES: NONE		

Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This introductory course deals with management and the basic management processes and functions. It focuses on real-world management situations concerned with planning, organizing, leading, and controlling the work of the organization. This is a grade-weighted class.

MKT700 : PRINCIPLES OF MARKETING (ELECTIVE)	9 WEEKS	0.25 CREDIT
DUAL ENROLLMENT	ONLINE*	4 COLLEGE CREDITS
PREREQUISITES: NONE		

Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This course surveys the marketing mix and marketing concept; market and buyer behavior; product, service, and relationship marketing for global competition; creating and keeping customers in an e-commerce world; branding and positioning; distribution strategies; integrated marketing communications; and pricing strategies. This is a grade-weighted class.

PSY702 : GENERAL PSYCHOLOGY (ELECTIVE)	9 WEEKS	0.25 CREDIT
DUAL ENROLLMENT	ONLINE*	4 COLLEGE CREDITS
PREREQUISITES: NONE		

Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This foundational course in the science of behavior includes an overview of the history of psychology, the brain, motivation, emotion, sensory functions, perception, intelligence, gender and sexuality, social psychology, human development, learning psychopathy, and therapy. This is a grade-weighted class.

SOC700 : PRINCIPLES OF SOCIOLOGY (ELECTIVE)

9 WEEKS

0.25 CREDIT

DUAL ENROLLMENT

ONLINE*

4 COLLEGE CREDITS

PREREQUISITES: NONE

Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This course presents a survey of the concepts, theories, and methods used by sociologists to describe and explain the effects of social structure on human behavior. It emphasizes the understanding and use of the sociological perspective in everyday life. This is a grade-weighted class.

COLLEGE PREPARATION

LIF101 : 12TH GRADE INTERNSHIP (ELECTIVE)

1 SEMESTER

0.5 CREDIT

PREREQUISITES: INSTRUCTOR APPROVAL

SENIORS ONLY; SECOND SEMESTER ONLY

This custom course is designed by the senior GCHS student and approved by administration. It enables a senior to gain work experience off campus in his or her area of interest while earning high school credit. 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 last period of the day to complete the internship. Interested students may apply for the internship by completing the form available in the office. The deadline for a final proposal is the end of November.

LIF700: LIFE SKILLS/PERSONAL DEVELOPMENT (ELECTIVE)

1 SEMESTER

0.5 CREDIT

PREREQUISITES: NONE

ONLINE*

This course is designed to increase your success in school and in your personal life. The course will help you 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.

COMPUTERS

CIS704: INTRO TO COMPUTER TECHNOLOGY (ELECTIVE)
PREREQUISITES: NONE

1 SEMESTER
ONLINE*

0.5 CREDIT

This course is designed as an overview of computer systems and their applications, including the internal hardware, operating system, and software applications. Students will be introduced to a variety of topics, including system unit components, operating systems and utility programs, application software, the internet and the web, basic networking, security and privacy, and database concepts.

CIS713: INTRODUCTION TO COMPUTER SCIENCE (ELECTIVE)
PREREQUISITES: NONE

1 SEMESTER
ONLINE*

0.5 CREDIT

This course is an introduction to programming and computer science principles and their usefulness in learning and problem-solving. Students will learn the basic concepts of procedural programming with an emphasis on problem-solving. The class will give students skills to write basic programs to accomplish specific goals. The course will consist of in-class instruction, and also utilize online tools available for High School students, including videos, examples, programming exercises, and challenges. Students complete the course with a basic knowledge of programming concepts and with the skills to aid in learning common programming languages.

CIS714: INTRODUCTION TO WEB DEVELOPMENT (ELECTIVE)
PREREQUISITES: NONE

1 SEMESTER
ONLINE*

0.5 CREDIT

This course introduces students to basic web design using HTML (Hypertext Markup Language). The course will show students the process of creating web pages by writing HTML code, planning and designing effective web pages, and enhancing web pages with the use of graphics, images, and multimedia. Students will combine all of these elements to create their own functional website using Dreamweaver, Adobe Photoshop, Fireworks & Flash. Students will also be introduced to popular content management systems such as Joomla and Wordpress.

ENGLISH

Four credits of English are required for a GCHS diploma.

ENG109 : 9TH GRADE ENGLISH

1 YEAR

1 CREDIT

PREREQUISITES: NONE

This course includes a study of well-known nineteenth and twentieth century British and American authors. Students will also explore units in Shakespeare and Gothic 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 write both a fiction and non-fiction book report in the form of speeches.

ENG209 : 9TH GRADE HONORS ENGLISH

1 YEAR

1 CREDIT

PREREQUISITES: INSTRUCTOR APPROVAL

This course includes a literature study that spans the seventeenth through twentieth centuries. The authors hail from Scotland, England, and America and will include units in Shakespeare and Gothic Literature. All novels are examined from a Christian worldview. Composition assignments begin preparing students for college-level writing and include argument, narrative, and informational writings with the expectation that students will become skilled writers. The students in this course will engage in an online discussion forum, similar to those of college courses. In addition, the students will study and apply mechanics and grammar skills on a weekly basis, as well as write both a fiction and non-fiction book review. This is a grade-weighted class.

ENG110 : 10TH GRADE ENGLISH

1 YEAR

1 CREDIT

PREREQUISITES: ENG109

This course covers British and American authors from the nineteenth and twentieth centuries, plus units in Shakespeare and Gothic Literature. All novels are examined from a Christian world view. 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 write both a fiction and non-fiction book report in the form of speeches.

ENG210 : 10TH GRADE HONORS ENGLISH

1 YEAR

1 CREDIT

PREREQUISITES: ENG109, INSTRUCTOR APPROVAL

This course covers Shakespeare, Gothic Literature, and an American Playwright, as well as an introduction to an author and writings from the Harlem Renaissance. All novels are examined from a Christian world view. This course is designed to prepare students for college-level reading, analysis, and writing. Composition assignments include argument, narrative and informational writings with the expectation that students will become exceptional writers. Students in this course will engage in an online discussion forum, similar to those of college courses. In addition, students will study and apply mechanics and grammar skills on a weekly basis, as well as write both a fiction and non-fiction book review. This is a grade-weighted class.

ENG111 : 11TH GRADE ENGLISH

1 YEAR

1 CREDIT

PREREQUISITES: ENG110

This course will continue to emphasize writing in a clear, well organized, and focused fashion. Students will be taught to evaluate their own writing for clarity and learn the basics of researching and documenting their source in MLA style. Students will be assisted and encouraged to expand their writing skills to be able to communicate clearly. They will continue to expand their reading skills with a variety of readings from fiction and non fiction sources with an emphasis on vocabulary and comprehension. Support will be provided at every level to ensure progress toward skills that will enable students to read and write at a competent level.

ENG211 : 11TH GRADE HONORS ENGLISH

1 YEAR

1 CREDIT

PREREQUISITES: ENG110, INSTRUCTOR APPROVAL

Honors students in this course will continue to move out of their comfort zone with challenging fiction and non-fiction texts from Christian and secular authors. Students will move beyond summarizing to evaluating and integrating other writer's ideas through analysis and synthesis of ideas. Writing will emphasize argumentation through use of effective rhetorical skills. Students will develop their Christian worldview and be able to communicate that worldview effectively. Students will continue to develop a college-level vocabulary that will enable them to tackle university-level reading and writing. This is a grade-weighted class.

ENG112 : 12TH GRADE ENGLISH **1 YEAR** **1 CREDIT**
PREREQUISITES: ENG111

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 canon as well as non-fiction pieces. 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.

ENG101/ENG102 : FIRST YEAR COLLEGE COMPOSITION **1 YEAR** **1 CREDIT**
DUAL ENROLLMENT **8 COLLEGE CREDITS**

PREREQUISITES: ENG111, GCU PLACEMENT EXAM, INSTRUCTOR APPROVAL

Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This college-level course is offered for both high school and college credit. In this course students will be challenged to express their ideas at collegiate level for an academic audience. Emphasis will be placed on critical thinking skills that analyze, evaluate, draw conclusions, and gain insight. Response papers to academic essays will comprise a large portion of this course. Students will be required to express themselves in an engaging, thoughtful, informative, and creative style. Students will be taught how to interact with ideas they will encounter in their university experience. Students will continue to hone their skills using formats and documentation styles to be able to write effectively in academia. This course is offered as dual enrollment for 8 credit hours. This is a grade-weighted class.

ENG201/ENG202 : FIRST YEAR COLLEGE COMPOSITION **1 YEAR** **1 CREDIT**
PREREQUISITES: ENG111, INSTRUCTOR APPROVAL

This course is identical in scope and offered in the same classroom as ENG101/102 listed above. Therefore, this is a grade-weighted class. The only difference is that this course is not for dual enrollment and therefore receives no college credit.

ENG120 : INTERNATIONAL ENGLISH **1 YEAR** **1 CREDIT**
PREREQUISITES: NONE

This class will be taken in conjunction with a grade-level English class and will subsequently serve as a resource class for the unique needs of the international student. Students will expand their knowledge of the English language through a curriculum written specifically for second language learners that includes writing, speaking, and listening skills. There is an emphasis on conversational English and learning and using English idioms and expressions. Units will also include preparation for the TOEFL and English portions of the SAT. All international students are required to enroll in this course while attending GCHS unless otherwise approved by the teacher and administration.

ENG130 : CREATIVE WRITING (ELECTIVE) **1 SEMESTER** **0.5 CREDIT**
PREREQUISITES: ENG110, INSTRUCTOR APPROVAL

This class is designed to extend the skills mastered in freshman and sophomore-level English courses. Students will be challenged to express themselves across a variety of genres (poetry, short story, drama, etc.) for the purpose of publication.

ENG133 : LITERATURE (ELECTIVE) **1 SEMESTER** **0.5 CREDIT**
PREREQUISITES: ENG109/209, INSTRUCTOR APPROVAL

This fast-paced, reading, research, and writing intensive course will cover representative texts studied in the context of relevant backgrounds and critical theories. Content and authors will vary by semester. This course may be repeated for up to four semesters. *Reading expectation: Students should be prepared to read at least one (but possibly more) texts per week.*

FINE ARTS

One performing arts class is required to earn a GCHS diploma. Visual arts are electives.

ART101 : INTRO TO ART (ART1) (ELECTIVE)

1 YEAR

1 CREDIT

PREREQUISITES: NONE

Based on the premise that everyone can learn to draw well in a very short time, this class introduces five basic perceptual skills necessary for drawing: the perception of edges and contours, space (positive & negative), relationships (perspective & proportion), light and shadows, and unified composition. This class is designed, by 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 class 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 class ends with an introductory painting unit demonstrating basic color concepts.

ART 104 : CREATIVE DESIGN 1 (ELECTIVE)

1 YEAR

1 CREDIT

PREREQUISITES: NONE

10 students (meets during the same period as CREATIVE DESIGN 2)

This art class 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 will 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 class lessons.

ART 202 : ART 2 (ELECTIVE)

1 YEAR

1 CREDIT

PREREQUISITES: INSTRUCTOR APPROVAL OR "A" IN ART101

16 students

This class builds on the students' drawing and painting skills gained from the previous Art II 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. More advanced, prolonged, drawing, painting, and mixed media projects of various subjects are explored with an emphasis on perfecting various skills & techniques while applying previously introduced fundamental concepts and elements of visual art.

This course includes drawing with graphite, charcoal, pen & 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.

ART 204 : CREATIVE DESIGN 2 (ELECTIVE)**1 YEAR****1 CREDIT****PREREQUISITES: INSTRUCTOR APPROVAL OR "A" IN ART104****6 students (meeting during the same period as CREATIVE DESIGN 1)**

This art class 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 will 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 class lessons.

ART 303 : ART 3 (ELECTIVE)**1 YEAR****1 CREDIT****PREREQUISITES: INSTRUCTOR APPROVAL OR "A" IN ART202****16 students**

This class builds on the students' drawing and painting skills gained from the previous Art II 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. More advanced, prolonged, drawing, painting, and mixed media projects of various subjects are explored with an emphasis on perfecting various skills & techniques while applying previously introduced fundamental concepts and elements of visual art.

This course includes drawing with graphite, charcoal, pen & 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.

ART103 : YEARBOOK (ELECTIVE)**1 YEAR****1 CREDIT****PREREQUISITES: NONE**

Placement is based on interview and teacher approval.

This course will cover the basics of reporting, writing, layout, and design; photography; and business management for the production and sale of the GCHS yearbook. Students will be an integral part of the yearbook team; therefore, a one-year commitment to this course is required. Students must be proficient in writing, grammar (heavy vocabulary), and computer skills. The book is produced using an online resource and Photoshop. Each ART103 student will receive a GCHS yearbook for free.

CIS703: DIGITAL PHOTOGRAPHY (ELECTIVE)**1 SEMESTER****0.5 CREDIT****PREREQUISITES: NONE****ONLINE*****REQUIRED EQUIPMENT: THIS COURSE REQUIRES THE STUDENT TO HAVE FULL ACCESS TO HIS/HER OWN DIGITAL CAMERA OF 2 MEGAPIXELS OR MORE, WITH A MINIMUM 3X ZOOM LENS.**

This course is an introduction to the fundamentals of digital photography and photo editing. Students will 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 will 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 will have weekly photography assignments.

GTR101: BEGINNING GUITAR**1 YEAR****1 CREDIT****PREREQUISITES: NONE****REQUIRED EQUIPMENT: THIS COURSE REQUIRES THE STUDENT TO RENT OR OWN HIS/HER OWN STEEL STRING ACOUSTIC GUITAR. (NO ELECTRIC GUITARS.)**

Learn to play the guitar! In these lessons, you will build basic guitar skills step-by-step with the help of hands-on exercises and audio and video recordings. First, you will get to know all the parts of your guitar--from frets to strings--and learn how to tune your instrument. You will explore the fundamentals of music notation and find out how to produce clear, beautiful notes and chords. You will also discover how to control your rhythm, tempo, and volume, and how to express yourself artistically. The guitar skills you'll master in this course will allow you to play the praise and worship music that you love! Good guitar players know that the secret to making beautiful music is to practice, practice, practice—so that is what you will do. You will follow a planned practice schedule that reinforces each new skill you learn. By the time you are finished, you will be well on your way to becoming a skilled guitar player. A one-year commitment is required for this course.

MUP109: CONCERT CHOIR**1 YEAR****1 CREDIT****PREREQUISITES: AUDITION ONLY**

Concert Choir 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. Concert Choir performs in all festivals, concerts, domestic tours, and community events; therefore, commitment to each rehearsal, concert, and tour is mandatory and expected. Students will 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. Only Concert Choir members may audition for Bel Canto Singers. A one-year commitment is required for this course. This class may be repeated for credit.

MUP110: HIGH SCHOOL CHORALE**1 YEAR****1 CREDIT****PREREQUISITES: NONE**

Chorale 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 will 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 class may be repeated for credit.

MUP111: INTRODUCTION TO MUSIC PRODUCTION (ELECTIVE)**1 SEMESTER****0.5 CREDIT****PREREQUISITES: NONE*****10 students***

How are video game sound effects, radio music tracks, beats, and vocal tracks created, produced, and recorded? You will learn this and much more, including making your own instrumentals through a variety of hands-on project applications. Students will begin by learning the basics of creating music via Apple's all-in-one digital music studio, Garage Band. Students will be exposed to the art of beat making, remixing, sampling, live recording, and sound manipulation. Students will begin initial discovery in the concepts of arranging, mixing, mastering, and creating their own loops. Throughout the course, students will be presented with the opportunity to learn basic piano keyboard skills. Music background is not necessary for students to use this software or to be successful in this class.

THE109 : THEATRE**1 YEAR****1 CREDIT****PREREQUISITES: NONE**

This course is an introduction to basic acting, utilizing the book *Acting for Life* as the primary text. Units are taught on subjects such as acting skills, techniques in character development, performance, and script work. Written quizzes and individual and group exercises are used to practice and evaluate progress. This is a performance-based course, and several in-class individual and group performances are required. Attendance at two community performances is required as well. Students taking this class are strongly encouraged, though not required, to participate in the two extra-curricular, full-length productions. This class may be repeated for credit.

STR112 : CHAMBER ORCHESTRA (STRINGS)

1 YEAR

1 CREDIT

PREREQUISITES: NONE (PREVIOUS EXPERIENCE RECOMMENDED)

REQUIRED EQUIPMENT: THIS COURSE REQUIRES THE STUDENT TO RENT OR OWN HIS/HER OWN VIOLIN, VIOLA, CELLO, OR BASS.

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

FOREIGN LANGUAGES

Two credits of the same foreign language are required.

SPA109 : ESPAÑOL 1 **1 YEAR** **1 CREDIT**
PREREQUISITES: NONE

¡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.

SPA110 : ESPAÑOL 2 **1 YEAR** **1 CREDIT**
PREREQUISITES: SPA109

¡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 global love and understanding of Spanish-speaking peoples and equip the students to speak and interact with Spanish speakers.

SPA111 : ESPAÑOL 3 (ELECTIVE) **1 YEAR** **1 CREDIT**
PREREQUISITES: SPA110

¡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 travel with the Spanish Club to a Spanish-speaking nation. This is a grade-weighted class.

SPA112 : ESPAÑOL 4 (ELECTIVE) **1 YEAR** **1 CREDIT**
PREREQUISITES: SPA111

¡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. This is a grade-weighted class.

SPA142/SPA143 : ESPAÑOL 4 (ELECTIVE) **1 YEAR** **1 CREDIT**
DUAL ENROLLMENT **8 COLLEGE CREDITS**
PREREQUISITES: SPA111

Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This course is identical in scope and offered in the same classroom as SPA112 listed above. Therefore, this is a grade-weighted class. The only difference is that this course is offered as dual enrollment for 8 credit hours.

LAT701 : LATIN 1 **1 YEAR** **1 CREDIT**
PREREQUISITES: NONE **ONLINE***

Because Latin is the root of all romance languages, a foundation in Latin allows for most other languages to be easier learned. In this introductory course, students will begin to build an understanding of the language's grammar and vocabulary. Special attention is paid to roots, prefixes, and terms which will enrich the student's English vocabulary and develop his/her knowledge of sentence structure.

LAT702 : LATIN 2 **1 YEAR** **1 CREDIT**
PREREQUISITES: LATIN 1 **ONLINE***

Reading Latin is as easy as cutting a pie. In this course, students will learn how to "cut" suffixes off of verbs, nouns, and adjectives. He/she will begin to retain the grammatical value of these suffixes (whether the word is singular or plural, present or future, etc.). Students will also grow their knowledge of vocabulary and grammar through discussions (in Latin) with their peers.

LAT703 : LATIN 3 (ELECTIVE)
PREREQUISITES: LATIN 2

1 YEAR
ONLINE*

1 CREDIT

Reading classical Latin is interesting and fun! Students will be introduced to “real” Latin from authors like Cicero, Ovid, and Horace. He/she will discover how much he/she has retained of the Latin language and how easily he/she can sight read some of the most famous pieces of ancient literature. This is a grade-weighted class.

MATHEMATICS

Four credits of mathematics are required and must be taken each year. Transcripts, placement tests and teacher recommendations will be used to place students at appropriate levels.

MAT110 : ALGEBRA I **1 YEAR** **1 CREDIT**
PREREQUISITES: TEACHER RECOMMENDATION AND/OR PLACEMENT EXAM
REQUIRED MATERIALS: TI-83 OR TI-84 CALCULATOR

Attention will be given to solving math problems with and without technology. Algebra builds off of Pre-Algebra and further develops algebraic thinking. This will be demonstrated in manipulating expressions and equations in various forms to identify characteristics on a graph or in written form. Students will also explore and learn linear expressions, equations, and inequalities with application in linear systems. For the remainder of the year, students will explore and learn quadratic expressions and equations, exponential equations, and rational expressions and equations, followed by an introduction to probability and statistics.

MAT111 : GEOMETRY **1 YEAR** **1 CREDIT**
PREREQUISITES: MAT110 AND/OR PLACEMENT EXAM
REQUIRED MATERIALS: TI-83 OR TI-84 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. It includes topics of reasoning and proof, parallel and perpendicular lines, and relationships of triangles; in particular, congruent, similar, and right triangles. Investigation will also be provided to learn the properties of polygons, quadrilaterals, area, volume, and circles. Each quarter will have its own project to extend the learning in class.

MAT112 : ALGEBRA II **1 YEAR** **1 CREDIT**
PREREQUISITES: MAT111/MAT141 AND/OR PLACEMENT EXAM
REQUIRED MATERIALS: TI-83 OR TI-84 CALCULATOR

Attention will be given to solving math problems with and without technology. Algebra 2 builds off of 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. There will be real-world application regarding the different types of functions. It also includes an introduction to sequences and series, conic sections, probability and statistics, and matrices.

MAT126 : ALGEBRA II/TRIGONOMETRY **1 YEAR** **1 CREDIT**
PREREQUISITES: MAT111/MAT141, TEACHER RECOMMENDATION AND/OR PLACEMENT EXAM

This course completes the foundations of Algebra listed in MAT112 above but includes the trigonometric function and their identities. Upon completion of this class, the student with teacher recommendation may enroll directly in Calculus. This is a grade-weighted class.

MAT113 : PRE-CALCULUS **1 YEAR** **1 CREDIT**
PREREQUISITES: MAT112 AND/OR PLACEMENT EXAM

This course continues to cover those functions discussed in MAT112 but is more comprehensive in each of the topics. It also delves into the trigonometric functions, including their inverses and graphs, trigonometric identities and laws, vectors, polar coordinates, and an introduction into limits in preparation for Calculus.

MAT114 : PRE-CALCULUS DUAL **1 YEAR** **1 CREDIT**
DUAL ENROLLMENT **3 COLLEGE CREDITS**
PREREQUISITES: MAT112

Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This course is identical in scope and offered in the same classroom as MAT113 listed above. The only difference is that this course is offered as dual enrollment for 3 credit hours.

MAT115 : CALCULUS I **1 YEAR** **1 CREDIT**
PREREQUISITES: MAT126/MAT129/MAT142/MAT143/MAT113/MAT114 OR EQUIVALENT

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. This is a grade-weighted class.

MAT116 : CALCULUS I (SEM) 1 SEMESTER 1 CREDIT
DUAL ENROLLMENT (SEM) 4 COLLEGE CREDITS
PREREQUISITES: MAT126/MAT129/MAT142/MAT143/MAT113/MAT114 OR EQUIVALENT
Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This course is identical in scope as MAT115 listed above except it is completed in one school semester. Therefore, this is a grade-weighted class. The only difference is that this course is offered as dual enrollment for 4 credit hours. This class will only be offered based on a minimum of 6 students enrolled in the course.

MAT117 : CALCULUS I (YR) 1 YEAR 1 CREDIT
DUAL ENROLLMENT (YR) 4 COLLEGE CREDITS
PREREQUISITES: MAT126/MAT129/MAT142/MAT143/MAT113/MAT114 OR EQUIVALENT
Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This course is identical in scope and offered in the same classroom as MAT115 listed above. Therefore, this is a grade-weighted class. The only difference is that this course is offered as dual enrollment for 4 credit hours.

MAT118 : CALCULUS II 1 YEAR 1 CREDIT
PREREQUISITES: MAT115/MAT116/MAT117

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. This is a grade-weighted class.

MAT119 : CALCULUS II (SEM) 1 SEMESTER 1 CREDIT
DUAL ENROLLMENT (SEM) 4 COLLEGE CREDITS
PREREQUISITES: MAT116/MAT117
Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This course is identical in scope as MAT118 listed above except it is completed in one school semester. Therefore, this is a grade-weighted class. The only difference is that this course is offered as dual enrollment for 4 credit hours. This class will only be offered based on a minimum of 6 students enrolled in the course.

MAT120 : CALCULUS II (YR) 1 YEAR 1 CREDIT
DUAL ENROLLMENT (YR) 4 COLLEGE CREDITS
PREREQUISITES: MAT116/MAT117
Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This course is identical in scope and offered in the same classroom as MAT118 listed above. Therefore, this is a grade-weighted class. The only difference is that this course is offered as dual enrollment for 4 credit hours.

MAT121 : CALCULUS III 1 YEAR 1 CREDIT
PREREQUISITES: MAT118/MAT119/MAT120

This course is in multivariate calculus including vectors, vector-valued functions, partial differentiation, multiple integration, and an introduction to vector fields. This is a grade-weighted class.

MAT122 : CALCULUS III 1 YEAR 1 CREDIT
DUAL ENROLLMENT 4 COLLEGE CREDITS
PREREQUISITES: MAT118/MAT119/MAT120 AND ASSESSMENT EXAM
Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This course is identical in scope and offered in the same classroom as MAT121 listed above. Therefore, this is a grade-weighted class. The only difference is that this course is offered as dual enrollment for 4 credit hours.

MAT130: COLLEGE ALGEBRA **1 YEAR** **1 CREDIT**
PREREQUISITES: MAT112 AND/OR PLACEMENT EXAM. SENIORS ONLY.

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. This is a grade-weighted class.

MAT131: COLLEGE ALGEBRA **1 YEAR** **1 CREDIT**
DUAL ENROLLMENT **3 COLLEGE CREDITS**

PREREQUISITES: MAT112 AND/OR PLACEMENT EXAM. SENIORS ONLY.

Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This course is identical in scope and offered in the same classroom as MAT130 listed above. Therefore, this is a grade-weighted class. The only difference is that this course is offered as dual enrollment for 3 credit hours.

STP101 : MATHEMATICAL STATISTICS **1 YEAR** **1 CREDIT**
PREREQUISITES: MAT113/114 OR EQUIVALENT. SENIORS ONLY.

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. This is a grade-weighted class.

STP102 : MATHEMATICAL STATISTICS (YR) **1 YEAR** **1 CREDIT**
DUAL ENROLLMENT (YR) **3 COLLEGE CREDITS**

PREREQUISITES: MAT113/114 OR EQUIVALENT. SENIORS ONLY.

Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This course is identical in scope and offered in the same classroom as STP101 listed above. The only difference is that this course is offered as dual enrollment for 3 credit hours. This is a grade-weighted class.

STP103 : MATHEMATICAL STATISTICS (SEM) **1 SEMESTER** **1 CREDIT**
DUAL ENROLLMENT (SEM) **3 COLLEGE CREDITS**

PREREQUISITES: MAT113/114 OR EQUIVALENT. SENIORS ONLY.

Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This course is identical in scope as STP101 listed above except it is completed in one school semester. The only difference is that this course is offered as dual enrollment for 3 credit hours. This is a grade-weighted class.

PHYSICAL EDUCATION

One year of physical education is required. There are two ways to meet this requirement: (1) The student may enroll in one year of Gilbert Christian High School PE, for which credit is given; or (2) The physical education requirement may be waived by a student's participation in a Gilbert Christian High School sports team or outside athletic organization. If a student logs and verifies 90 hours of participation in an organized sport (45 hours is a typical season), then the student has fulfilled the physical education high school diploma requirement, but no credit is given.

HLTH700: HEALTH (ELECTIVE) 1 SEMESTER 0.5 CREDIT
PREREQUISITES: NONE 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.

PPE109 : LIFETIME SPORTS - MEN 1 YEAR 1 CREDIT
PREREQUISITES: NONE

Christ-centered physical education emphasizes stewardship, teamwork, leadership opportunities and encouragement. A basic understanding and development of fitness is integrated to form a foundation against which sports and movement-related opportunities are provided for student success relative to skill development in soccer, volleyball, floor hockey, basketball, mush ball, kickball, flag football, aerobics, and gym games. This class may be repeated for credit.

PPE110 : LIFETIME SPORTS - WOMEN 1 YEAR 1 CREDIT
PREREQUISITES: NONE

Christ-centered physical education emphasizes stewardship of the body as the temple of the Holy Spirit, teamwork, encouragement & leadership opportunities. Program goals include the development of a healthy, active lifestyle in order to prepare students to be lifetime exercisers who are "Fit to Serve." A basic understanding and development of fitness are integrated to form a foundation against which sports and movement-related opportunities are provided for student success. Units that promote skill development in soccer, volleyball, floor hockey, basketball, mush ball, kickball, flag football, aerobics, stunts/pyramids, dance and gym games are incorporated. This class may be repeated for credit.

PPE111 : STRENGTH TRAINING - MEN 1 YEAR 1 CREDIT
PREREQUISITES: NONE

This class is designed to maximize the strength/conditioning opportunities for GCHS athletes, as efforts are coordinated with coaching staff to improve training. Students will receive advanced specialized training in weight lifting, speed training, nutrition and general health. Biblical principles provide a foundation upon which health components are integrated to expand student knowledge and understanding for success in all areas of spiritual/physical/emotional/mental/social health and well being. This class may be repeated for credit.

PPE112 : STRENGTH TRAINING - WOMEN 1 YEAR 1 CREDIT
PREREQUISITES: NONE

This class is designed to introduce students to the principles and benefits of strength training, while enhancing and maximizing the opportunities for our GCHS athletes to train and prepare for their sport. Sports-specific exercises and challenges will be integrated into workouts for the experienced athlete. All students will focus on proper use of weight training equipment, accurate execution, injury prevention, flexibility, cardio respiratory fitness, muscular strength, and endurance. Biblical principles provide a foundation upon which health components are integrated to expand student knowledge and understanding for success in all areas of their health and well being. This class may be repeated for credit.

PPE113 : INDEPENDENT STUDY PE 1 YEAR 1 CREDIT
PREREQUISITES: NONE

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. The students must complete a minimum of 90 hours of training per semester to receive an "A" grade. This course is only available 7th hour, and the students must receive prior approval from administration to enroll. This class may be repeated for credit.

PPE116 : DANCE
PREREQUISITES: NONE

1 YEAR

1 CREDIT

This course is designed for any dancer and will explore the following three dance styles: ballet, modern/lyrical, and jazz. This course also includes dance composition, which teaches students how to create and structure their own dance works. By composing their own dances, students learn that dance is a language with a specific vocabulary. Student-choreographed pieces are presented as part of a showcase. Dancers will also be introduced to dance history, which explores the history of dance from the ancient world to the present where students develop an appreciation of their heritage in this art form through readings, lectures, and viewing films and videotapes. Dance appreciation is intended to develop the student's artistic taste, inform them of current trends in the professional dance world, and motivate them for their daily work in the studio by exposure to remarkable dancing and choreographic works. In addition to recorded performances, students will also have opportunities to attend live performances by professional dance companies. This course is for PE credit only.

PPE117 : BODY FIT - WOMEN
PREREQUISITES: NONE

1 YEAR

1 CREDIT

This class is designed to build, define and create a strong, functionally fit and athletically able body. Students will learn form and functions of a variety of exercises. The focus will be on workouts that stabilize and strengthen the core, burn calories through brief but intense cardio, and exercises that build overall strength use one's own weight or light weights, balance, isometrics and yoga. Although only those serious about working out and achieving results need enroll, the results will be achieved in a fun, relaxed, supportive and edifying setting. Physical, functional, fun, yet challenging routines will be 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.

SCIENCE

Three credits of lab science are required to earn a GCHS diploma. Two of these must be Biology and Chemistry.

BIO101 : BIOLOGY LAB **1 YEAR** **1 CREDIT**
PREREQUISITES: NONE

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. This course is required for graduation.

BIO102 : HUMAN ANATOMY AND PHYSIOLOGY LAB **1 YEAR** **1 CREDIT**
PREREQUISITES: NONE (BIO101 RECOMMENDED)
PLACEMENT IS BASED ON TEACHER APPROVAL IF IN 10TH GRADE.

This anatomy lab course covers both the anatomy and the physiology of the human body's 11 organ systems in detail. Class work includes fetal pig dissection and takes a trip to a cadaver lab.

BIO140 : FIRST YEAR COLLEGE BIOLOGY LAB **1 YEAR** **1 CREDIT**
PREREQUISITES: BIO101 (BIO102 HELPFUL)
PLACEMENT IS BASED ON TEACHER APPROVAL.

This advanced biology lab course is designed to provide a framework for lab experience and to help the student learn how to understand problems, develop hypotheses, design and implement controlled experiments, identify independent and dependent variables, analyze data, draw conclusions, think analytically, and communicate results with appropriate data tables and graphs. Topics include biological chemistry, cell structure and function, energy transformation, molecular genetics, heredity, evolution, plant structure and physiology, animal structure and physiology, behavior, and ecology. Secular textbooks are included in the required readings. This is a grade-weighted class.

BIO142 : FIRST YEAR COLLEGE BIOLOGY LAB **1 YEAR** **1 CREDIT**
DUAL ENROLLMENT **4 COLLEGE CREDITS**
PREREQUISITES: BIO101 (BIO102 HELPFUL)
PLACEMENT IS BASED ON TEACHER APPROVAL.

Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This course is identical in scope and offered in the same classroom as BIO140 listed above. Therefore, this is a grade-weighted class. The only difference is that this course is offered as dual enrollment for 4 credit hours.

CHM101 : CHEMISTRY LAB **1 YEAR** **1 CREDIT**
PREREQUISITES: NONE (MAT112 HELPFUL)

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. This course is required for graduation.

CHM140/CHM141 : FIRST YEAR COLLEGE CHEMISTRY LAB **1 YEAR** **1 CREDIT**
PREREQUISITES: CHM101
PLACEMENT IS BASED ON TEACHER APPROVAL.

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. Secular textbooks are included in the required readings. This is a grade-weighted class.

CHM142/CHM143 : FIRST YEAR COLLEGE CHEMISTRY LAB **1 YEAR** **1 CREDIT**
DUAL ENROLLMENT **5 COLLEGE CREDITS**
PREREQUISITES: CHM101
PLACEMENT IS BASED ON TEACHER APPROVAL.

Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This course is identical in scope and offered in the same classroom as CHM140/CHM141 listed above. Therefore, this is a grade-weighted class. The only difference is that this course is offered as dual enrollment for 5 credit hours.

MED700: INTRO TO MEDICAL TERMS (ELECTIVE) **1 SEMESTER** **0.5 CREDIT**
PREREQUISITES: NONE **ONLINE***

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 will then build and analyze terms.

PHY101 : PHYSICS LAB **1 YEAR** **1 CREDIT**
PREREQUISITES: MAT112 (OR CONCURRENTLY)
PLACEMENT IS BASED ON TEACHER APPROVAL.

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.

PHY140/PHY141 : FIRST YEAR COLLEGE PHYSICS LAB **1 YEAR** **1 CREDIT**
PREREQUISITES: MAT112
PLACEMENT IS BASED ON TEACHER APPROVAL.

This advanced physics lab course is the equivalent of a college freshman course and explores many of the topics in the first year of physics study, but at a greatly accelerated pace. Materials and labs for this course are 50 percent Newtonian Mechanics and 50 percent Electricity and Magnetism. Wave motion, thermal physics, optics, and special relativity are also observed. Second semester includes sound waves, electric fields, electric circuits, magnetic fields, optics, and modern physics. Secular textbooks are included in the required readings. This is a grade-weighted class.

PHY142/PHY143 : FIRST YEAR COLLEGE PHYSICS LAB **1 YEAR** **1 CREDIT**
DUAL ENROLLMENT **8 COLLEGE CREDITS**
PREREQUISITES: MAT112
PLACEMENT IS BASED ON TEACHER APPROVAL.

Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This course is identical in scope and offered in the same classroom as PHY140/PHY141 listed above. Therefore, this is a grade-weighted class. The only difference is that this course is offered as dual enrollment for 8 credit hours.

SOCIAL STUDIES

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

HIS109 : UNITED STATES HISTORY **1 YEAR** **1 CREDIT**
PREREQUISITES: NONE

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. This course is required for graduation.

HIS110A : ECONOMICS **1 SEMESTER** **0.5 CREDIT**
PREREQUISITES: NONE **FALL SEMESTER ONLY**

This course surveys basic economic principles and how these principles work in business firms, financial markets, and government. Student teams participate in the Stock Market simulation challenge sponsored by the Arizona Council on Economic Education, and the Junior Achievement Exploring Economics and Stock Market Challenge programs. The course stresses free market ideals and Christian economic values throughout. This course is required for graduation.

HIS110B : AMERICAN GOVERNMENT **1 SEMESTER** **0.5 CREDIT**
PREREQUISITES: NONE **SPRING SEMESTER ONLY**

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. This course is required for graduation.

HIS113 : WORLD HISTORY/GEOGRAPHY **1 YEAR** **1 CREDIT**
PREREQUISITES: NONE

This course is designed to provide a solid foundation in geography with a strong emphasis in world history. The course builds on the foundational knowledge of the world beginning with the introduction of medieval towns and progresses through the twentieth century, giving special emphasis to the geography and its influence on culture. Students learn to draw detailed maps of the world and continents/regions and gain knowledge of the complexity, precision, and beauty of the systems God created to sustain life on this earth, as well as advances in scientific discovery and understanding of industrial development on the ecology. The course utilizes a variety of media and reference sources. This course is required for graduation.

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

The basic skills needed to construct and deliver a variety of speeches to a live audience are introduced in this class. Students will give speeches to inform, to persuade, entertain, demonstrate, motivate, and share the Gospel. They will 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. A one-year commitment is required.

HIS201 : COLLEGE US HISTORY (EXPLORATION – 1865) (ELECTIVE) **1 SEMESTER** **0.5 CREDIT**
DUAL ENROLLMENT **3 COLLEGE CREDITS**

PREREQUISITES: INSTRUCTOR APPROVAL

Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This course is a survey of the key events, people and concepts critical to the development of the United States from early exploration through Reconstruction at the end of the Civil War. We will examine political, social, and cultural forces in the American experience. Topics to include Colonization, American Revolution, US Constitution, Westward Expansion and the Civil War. This is a grade-weighted class. This course is offered as dual enrollment for 3 credit hours.

HIS202 : COLLEGE US HISTORY (1865 - PRESENT) (ELECTIVE) 1 SEMESTER 0.5 CREDIT
DUAL ENROLLMENT 3 COLLEGE CREDITS

PREREQUISITES: INSTRUCTOR APPROVAL

Fee: This course requires additional tuition payment at the beginning of the course. (See FAQ sheet.)

This course is a survey of the key events, people, and concepts critical to the development of the United States from 1865 to the present. We will examine political, social, and cultural forces in the American experience; Reconstruction; Westward Expansion; industrialization; political campaigns; and the wars and social revolutions of the 20th century.

Dual Enrollment US History students participate in a spring trip to the nation's capital to have first-hand experience visiting Williamsburg, the Capitol Building, the White House, Arlington National Cemetery, the Library of Congress, and the National Archives Museum. The trip is guided and planned by students as they showcase their knowledge of America's history. This is a grade-weighted class. This course is offered as dual enrollment for 3 credit hours.

HIS203 : COLLEGE US HISTORY (EXPLORATION-1865) (ELECTIVE) 1 SEMESTER 0.5 CREDIT

PREREQUISITES: INSTRUCTOR APPROVAL

This course is identical in scope and offered in the same classroom as HIS201 listed above. Therefore, this is a grade-weighted class. The only difference is that this course is not for dual enrollment and therefore receives no college credit.

HIS204 : COLLEGE US HISTORY (1865 - PRESENT) (ELECTIVE) 1 SEMESTER 0.5 CREDIT

PREREQUISITES: INSTRUCTOR APPROVAL

This course is identical in scope and offered in the same classroom as HIS202 listed above. Therefore, this is a grade-weighted class. The only difference is that this course is not for dual enrollment and therefore receives no college credit.

POS105 : STUDENT GOVERNMENT (ELECTIVE) 1 YEAR 1 CREDIT

PREREQUISITES: ELECTED TO OFFICE

ELECTED COUNCIL MEMBERS: 2 Freshman representatives, 2 Sophomore representatives, 2 Junior representatives, 2 Senior representatives, Student Body President (Senior), Vice President (Junior), Secretary (Sophomore, Junior, or Senior), and Treasurer (Sophomore), Events/Marketing Coordinator (Junior or Senior)

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 class 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.

GILBERT CHRISTIAN SCHOOLS GOVERNING POLICY

TOPIC: WEIGHTED GRADES COURSES

Weighted grades will be applied to the courses listed below beginning in the 2009-10 school year (unless otherwise noted).

Weighted courses transferred from accredited high schools will be awarded weighted credit only if Gilbert Christian Schools also weights that class. **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.

COURSE NUMBER	COURSE TITLE
ENG 209	9 th Grade Honors English (starting 2011-12)
ENG 210	10 th Grade Honors English (starting 2011-12)
ENG 211	11 th Grade Honors English (starting 2011-12)
ENG 101/102	First-Year College Composition Dual Enrollment
ENG 201/202	First-Year College Composition
MAT 115	Calculus I (starting 2010-11)
MAT 116	Calculus I Dual Enrollment (semester)
MAT 117	Calculus I Dual Enrollment (year)
MAT 118	Calculus II
MAT 119	Calculus II Dual Enrollment (semester)
MAT 120	Calculus II Dual Enrollment (year)
MAT 121	Calculus III
MAT 122	Calculus III Dual Enrollment (year)
MAT 126	Algebra II/Trigonometry (starting 2010-11)
MAT 127	AP Calculus (starting 2010-11)
MAT 130	College Algebra/Functions (starting 2014-15)
MAT 131	College Algebra/Functions Dual Enrollment (starting 2014-15)
STP 101	Statistics (starting 2010-11)
STP 102	Statistics Dual Enrollment (year) (starting 2010-11)
STP 103	Statistics Dual Enrollment (semester) (starting 2010-11)
BIO 140	First-Year College Biology Lab Dual Enrollment
BIO 142	First-Year College Biology Lab
CHM 140/141	First-Year College Chemistry Lab
CHM 142/143	First-Year College Chemistry Lab Dual Enrollment
PHY 140/141	First-Year College Physics Lab
PHY 142/143	First-Year College Physics Lab Dual Enrollment
PSY 702	General Psychology (9 weeks) (GCU Online Course)
SOC 700	Principles of Sociology (9 weeks) (GCU Online Course)
HIS 201	College US History Dual Enrollment (semester) (Exploration – 1865)
HIS 202	College US History Dual Enrollment (semester) (1865 – present)
HIS 203	College US History (semester) (Exploration – 1865)
HIS 204	College US History (semester) (1865 – present)
LAT 703	Latin 3
SPA 111	Spanish 3
SPA 112	Spanish 4
SPA 142/143	GCU Spanish 4 Dual Enrollment (year)
BUS 700	Intro to Sports Management Dual Enrollment (9 weeks) (GCU Online Course)
JUS700	Intro to Justice Studies Dual Enrollment (9 weeks) (GCU Online Course)
MGT700	Intro to Management Dual Enrollment (9 weeks) (GCU Online Course)
MKT700	Principles of Marketing Dual Enrollment (9 weeks) (GCU Online Course)

Weighted Semester Grades:

A	5.0	C	3.0	F	0.0
B	4.0	D	2.0		

Dual Enrollment FAQ's

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 class. The credit earned may be used to complete an Associate's degree as well as a Bachelor's degree at a transfer 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 as the curriculum and text have been approved and the instructors certified by Arizona Christian University (ACU), Grand Canyon University (GCU), as well as Colorado Christian University (CCU). 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 of the full-time college student.

How does dual enrollment affect my student when entering college?

The student who receives Dual Enrollment credit may finish college in less time by often moving ahead through the institution's degree plan at a faster rate as many of the courses can be completed while in high school. Each family should be sure to check with the institution to see if Dual Enrollment courses count against the ability to earn freshman scholarship eligibility. Most colleges will not count those courses against scholarship eligibility.

Is there a limit to the number of dual enrollment credits my student should take?

We recommend seven credits or less per semester and that you keep the total number to less than 24, but it is up to the student and the institution where they will attend college. Any senior interested in taking an online course from GCU must commit to a minimum of two classes – one per quarter in a semester.

What is the cost to take dual enrollment courses with ACU, GCU & CCU at GCHS?

Students taking Beginning Spanish and College US History through ACU, and/or students taking College Composition through GCU, will need to take both courses during the fall and spring semesters in order to receive one full high school credit. While earning one full high school credit, the student will earn 8 credits (Spanish and English courses) or 6 credits (history course) for the college course taken. Courses for ACU are \$100 per credit hour per semester, plus a \$10 registration fee each semester. Courses for GCU are \$52.50 per credit hour per semester.

For students taking World Religions or General Biology courses through ACU, and/or students taking College Chemistry, College Physics or math courses through CCU, these classes are over the course of the entire year. Therefore, you will need to register and pay in the fall semester. Courses for ACU are \$100 per credit hour, plus a \$10 registration fee. Courses for CCU are \$200 per course.

For students taking 8-week online dual enrollment courses through GCU, the cost is \$54.75 per credit hour, plus \$85 for e-books.

Does my student need to take a placement exam prior to starting a dual enrollment course?

Yes, but ONLY if your child will be taking the College Composition course with GCU. The placement test is free of charge. The placement test will be offered on campus at GCHS.

What is the process for signing up for a dual enrollment class? Does this process happen once a year or at the beginning of each semester?

The registration process is online. The student will receive notification that the registration period has begun. All forms are to be completed online. Registration for dual enrollment courses for College Composition (GCU), Beginning Spanish (ACU), and College US History (ACU) must be completed at the beginning of each semester, while year-long courses are completed once at the beginning of the year.

**Students are eligible at the teacher's discretion. Students must complete all the paperwork necessary to enroll in any dual enrollment course by the deadline scheduled at the beginning of the year.*