



HIGH SCHOOL COURSE SELECTION GUIDE

Academic Year
2020-2021

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Dear Students and Parents:

This guide is designed to help you make informed decisions as you select courses for the 2020-2021 school year. You will find information about graduation requirements, courses available, and important factors to consider while making your decisions. Parents and students are encouraged to read through this guide and use it as a resource as you make course selections and plan for the future.

Using the instructions on page 28 of this guide, please submit your course requests online through ParentsWeb. Feel free to contact the Guidance Office if you have questions about this information or need assistance with course selections. For courses that require instructor approval, please visit with a teacher in that subject area for guidance. After course selections are requested, teachers will review the list for approval.

Class schedule changes will be permitted, with approval, within the first two weeks of the fall semester by submitting a schedule change request form. After the first two weeks, changes will only be made due to extreme circumstances.

I encourage you to approach this process with prayer and thoughtful consideration. The choice of courses during the registration process helps to establish the widest range of individual choice. However, it may become necessary for students to accept modifications to their original choice due to course conflicts or course availability. Please remember to be flexible in your course selection choices. It is our desire to meet the requests of students to help in your planned course of study.

Blessings,

A handwritten signature in black ink that reads "Kelley Bell".

Director of Guidance

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Graduation Requirements

GCS offers two programs of study for high school students. The Required Program includes the standard number of credits students must earn in order to graduate from GCS corresponding to the Distinguished Level of Achievement under the Texas Foundation Program with a Multidisciplinary Studies Endorsement. The Prestigious Scholars Program requires additional courses and advanced measures for students pursuing a more rigorous, college-preparatory curriculum.

<u>Subject Area</u>	<u>Required Program</u>	<u>Prestigious Scholar Program</u>
Bible	1/year	1/year
English	4	4
History	4	4
Math	4	4
Science	4	4
Foreign Language	2	3
Physical Education	1	1
Fine Arts	1	1
Speech	.5	.5
Elective	1.5	1.5
Total Credits	26	27 (at least 4 adv measures)

Regarding the Prestigious Scholar Program:

- Valedictorian and Salutatorian will be selected from among the Prestigious Scholars. While other students may rank high in their graduating class after completing the required program, they will not be eligible for Valedictorian or Salutatorian recognition.
- The successful completion of at least four advanced measures, including all courses designated as AP® and Advanced.

In the event that special circumstances prohibit a student from completing the Required Program, the student and parents should meet with the high school Principal and Guidance Counselor to discuss any specific circumstances or needs.

Students in 9th and 10th grade are required to have seven regularly-scheduled courses. Students in 11th grade must have at least six courses, and students in 12th grade must have at least five courses, four of which must be academic classes.

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Typical High School Schedules

9TH GRADE

1. Bible 9
2. English 9 H
3. History 9 H
4. Algebra 1 or Geometry
5. Biology
6. Spanish 1
7. Required Elective (see below)
Study Hall

11TH GRADE

1. Bible 11
2. English 11
3. US History
4. Algebra 2, Pre-Calculus, Foundations of College Math, or Statistics/College Algebra
5. Physics
6. Required Elective (see below)
7. Elective (see below)

10TH GRADE

1. Bible 10
2. English 10 H
3. History 10 H
4. Geometry or Algebra 2
5. Chemistry
6. Spanish 2
7. Required Elective (see below)
Study Hall

12TH GRADE

1. Bible 12
2. English 12
3. Government/Economics
4. Pre-Calculus, Calculus AP[®], Foundations of College Math, or Statistics /College Algebra
5. Physics AP[®], Chemistry AP[®], Cell Biology, Anatomy & Physiology, or Forensic Science
6. Elective (see below)
7. Elective (see below)

Elective options

FINE ARTS (1 credit required)

- Acts of Grace Co. (9-12)
- Stagecraft (9-12)
- Technical Theater (9-12)
- Intro to Art (9-12)
- Intermediate Art (10-12)
- Advanced Art (11-12)
- Beginning Ceramics (10-12)
- Intermediate Ceramics (11-12)
- Concert Choir (9-12)
- Concert Band (9-12)
- Philharmonic Orchestra (9-12)

SPEECH (.5 credit required)

- Speech* (10-12)
- Debate (10-12)

PE (1 credit required)

- Speed & Strength* (9-12)

FOREIGN LANGUAGE

- College Spanish (11-12)
- Spanish 3 Pre-AP (11-12)
- Spanish 4 AP[®] (12)

ADDITIONAL ELECTIVES

- Computer Programming (9-12)
- Engineering Design (11-12)
- Biotechnology (11-12)
- General Psychology* (11-12)
- Office Aide* (9-12)
- Test Prep* (10-12)
- Video Production (9-12)

* Denotes courses that are one semester in length.

Four-Year Plan for _____
BOLDED courses are required for graduation

	Credits R = Required P = Prestigious	Freshman	Sophomore	Junior	Senior
BIBLE	4 - R & P	Bible 9	Bible 10	Bible 11	Bible 12
HUMANITIES	4 - R & P	English 9 H	English 10 H	English 11 H English 11 AP	English 12 H English 12 AP
	4 - R & P	History 9 H	History 10 H	History 11 H History 11 AP	Econ & US Gov't Econ & US Gov't AP
FOREIGN LANGUAGE	2 - R 3 - P	Spanish 1	Spanish 2	Spanish 3 PAP	Spanish 4 AP Spanish DC
SCIENCE	4 - R & P	Biology 1 Biology 1 PAP	Chemistry Chem PAP	Physics Physics PAP	Choose at least one: Chemistry AP Physics AP Forensics Anatomy & Physiology Cell Biology DC Engineering Design Biotechnology
MATH	4 - R & P	Algebra 1 Geometry Geom PAP	Geometry Algebra 2 Alg 2 PAP	Algebra 2 Foundations 1 & 2 Found 1/College Alg DC Pre-Calculus Pre-Calc PAP Stats DC/College Alg DC	Foundations 1 & 2 Found 1/College Alg DC Pre-Calculus Pre-Calculus PAP Stats DC/College Alg DC Calc AP
OTHER ELECTIVES	1 - Fine Arts .5 - Speech Electives (1.5-R & P)	Fine Arts: Choir Band Orchestra Art Ceramics Acts of Grace Stage Craft Tech Theater	Debate Computer Prog Video Prod Fine Art:	Speech Speech DC Psychology Test Prep Fine Art:	Fine Art:
ATHLETICS/ PE	1.0 - R & P	Speed & Strength Sport:	Speed & Strength Sport:	Speed & Strength Sport: PE Alt:	Speed & Strength Sport: PE Alt:

Scheduling With College in Mind

There are a number of ways to earn college credit while still in high school. Whether it is wise for a student to do so depends on a number of factors, and it is always recommended to meet with a guidance professional before making your decision.

1. Advanced Placement® courses

Advanced Placement® courses are taught at the college level and offer the opportunity to demonstrate subject mastery through an AP® exam. The exam is not mandatory, but it is the only way college credit can be granted. Each college and university makes its own decisions about awarding credit and placement. Scores range from 1 (lowest) to 5 (highest), usually with a score of 3, 4, or 5 necessary for college credit. AP® exams cost \$94 each and are administered at Grace in May.

Advantages: Saving costs on college tuition; taking fewer courses in the college years; taking challenging courses while still in high school; getting a feel for what college-level material is like.

Disadvantages: Taking the AP® exam does not guarantee college credit since each college has unique policies; AP® courses are more difficult and usually require more time for study.

2. Dual credit courses

Select courses in the 2020-2021 school year will be offered by GCS through partnerships with Tyler Junior College and East Texas Baptist University in which students will be able to enroll simultaneously for high school and college credit. In most cases, students will earn 3 college credit hours and .5 high school credit during a semester-long dual credit course taught by a Grace instructor. Students must meet admission and testing requirements and pay tuition, supplies, and books for each course in which they choose to enroll.

Anticipated dual credit classes at Grace for 2020-2021 include:

TJC –Spanish 1411, Spanish 1412, Psychology 2301

ETBU –Biology 1306/1106, English 1301, English 2323, Math 1314, Math 1342, Speech Communications 1113

Advantages: Reducing costs on college tuition; taking fewer courses in the college years; gaining early exposure to college-level material.

Disadvantages: Taking a dual credit course does not guarantee a college will grant credit toward your degree plan; poor performance in the dual credit course may adversely affect the college GPA.

Contact the guidance office for more details, and perhaps most importantly, **check with your prospective colleges to find out which courses will transfer**. One helpful resource for transfer information on all colleges in Texas can be found at www.tccns.org.

3. CLEP exams*

Through the College Level Exam Program by College Board, high school students may be able to skip basic college courses if they have taken rigorous high school classes. CLEP tests are computerized tests administered by appointment at the TJC Testing Center and cost about \$89 each. As with AP® exams, CLEP exams are not automatically accepted at all colleges. Check with the colleges you are considering or go to www.collegeboard.org to find CLEP policies at specific schools. It is wise to take a CLEP test immediately upon completion of the high school subject course. CLEP exams are available in a wide range of subject areas.

Advantages: Saving costs on college tuition; taking fewer courses in the college years.

Disadvantages: Taking the CLEP exam does not guarantee college credit. Students may be disadvantaged in higher-level college classes if they do not participate in the entry-level courses.

4. Early Admission Program at Tyler Junior College*

Grace students may take classes at TJC, with permission, after the sophomore year. These courses may be taken on the TJC campus during the summer, after school, at night, or online. Detailed information about Early Admission is available in the TJC Dual Credit office and the GCS guidance office. **Courses taken at TJC by early admission students will not count for high school credit.**

	Dual Credit	AP® Credit	CLEP Test
Cost	\$175-\$300	\$94	\$89
Assured College Credit?	Yes, but must pass and check college/major	No, must score high enough on the test	No, must pass and check college/major
Assured College Credit for a specific course?	No, but usually at least as an elective credit	Yes, if score is high enough	Yes, if score is high enough
Is there a way to find out, in advance, if this credit will be accepted?	Yes, check college and major	Yes, check with college	Yes, check with college
Does this require extra study time?	No	Yes	Yes
When is this taken?	At GCS (your class doubles for high school and college)	In May at GCS – specific dates TBA	On your own time -- whenever you feel ready

***To maintain our biblical distinctive, all courses required for graduation must be taken at GCS.**

2020-2021 Course Descriptions

H = Honors

Pre-AP = Accelerated course designed to prepare students for an Advanced Placement® course. GPA weighting of 3 points.

DC = Dual Credit – College-level course offered at GCS awarding both high school and college credit.

AP® = Advanced Placement® – Rigorous, college-level course approved by the College Board. AP® exams are administered on the GCS campus in May but are not required. GPA weighting of 5 points.

ADV = Advanced – Rigorous, college-level course not affiliated with the College Board. GPA weighting of 5 points.

BIBLE

1 credit required for each year of attendance in the high school

BIBLE 9 (2 semesters; 1 credit)

The Foundations course for the Freshman year is designed to help students understand the Bible through a Christian worldview by presenting it from the perspective of God's implementation of his sacred plan in a sinful world. The student will see how God constantly pursues relationship with his creatures through covenant and communicates through revelation. Students will observe how God dealt with pride, greed, idolatry, and rebellion but was patient and graceful in fulfilling his plan of redemption.

Students will see the role Jesus played in human history through the Incarnation. Students will study the nature of God through the life of Jesus and his message. Jesus' mission of announcing the "already, not yet" kingdom will help students understand the eternal impact of their daily life choices. Students will observe that Jesus was full of grace and mercy but also was true to his mission of righteousness and an uncompromising commitment to the kingdom. Finally, students will study the role of the Holy Spirit through the establishment and growth of the Church.

BIBLE 10 (2 semesters; 1 credit)

The **Church History course**, taken during the Sophomore year, reveals God's hand in human history through the work of Christ's Church. Students will review key moments *from the birth of the Church* through the pre-Reformation period that shaped and molded God's work on earth through human agents such as the early church fathers. An intensive study of the Reformation will follow, along with the numerous movements of faith leading to the present.

A particular focus of the course will be developing essential doctrine from the Biblical texts that inspired such church leaders as Luther, Calvin, and Wesley. Particular attention will be devoted to Paul's epistles, dealing with issues such as the gospel, the Trinity, redemption, and salvation. Students will learn how God operated through his Church as a redeeming and restoring presence during major eras of recent human history, featuring periods of nationalism, revolution, imperialism, war and genocide.

BIBLE 11 (2 semesters; 1 credit)

In the **Teachings of Jesus course**, Juniors will study the life of Christ, and determine how that life serves as a compelling and effective model for us all. Special emphasis will be placed on the parables, miracles, and teachings of Jesus on earth, as well as how and why Christ came to die in order to take away the sins of humanity and restore it in right relationship with God. The study of Christ's life and work will be integrated with a study of U.S. History, in order to juxtapose the life and teachings of Christ with the founding and direction of our nation's history. Students will understand God's sovereign hand in the life and work of our nation, its leaders, and its people, and how their salvation, redemption, sanctification and calling can contribute to God's work in our nation and the world in the future.

BIBLE 12 (2 semesters; 1 credit)

In **Engaging Culture**, Seniors will be challenged with applying concepts learned during their previous three years in order to further develop their Christian life and witness before they embark on college and/or careers. Students will engage in four separate tracks, or courses of study, which will serve as a culmination of previous courses in high school. The Spiritual Formation course will examine individual gifts and calling, and how those gifts contribute to the overall flourishing of the Body of Christ. Disciplines and Discipleship review the spiritual disciplines, those practices and increase intimacy with Christ and contribute to a healthy walk with the Lord. Apologetics teaches students to defend their faith and interact with the various ideas and issues of today's broader culture, while Christian Living is designed to have students examine what it means to live a life of authentic faith as they steward their bodies, possessions, and the earth around them. Seniors will prepare and present a capstone project that represents their perspectives on life and faith, as it pertains to a particular vocation or issue of the day.

HUMANITIES
English – 4 credits required
History – 4 credits required

In the 9th, 10th, and 11th grades, history and English curricula are combined in a humanities approach as an introduction to our rich heritage of Western Civilization. Freshmen study ancient literature along with ancient world history (Creation to Renaissance), and sophomores do the same with modern world history and literature (Reformation to present). Juniors combine a study of American literature with American history.

ENGLISH 9 (H) – Literature of the Humanities I (2 semesters; 1 credit)

Literature of the Humanities I provides a thorough introduction to the primary genres of literature, poetry, prose, and drama, represented by various literary selections. The mission of the class lies in further educating students in the discipline of seeking truth through literary texts; in other words, poetry is a mode of knowledge that has the power to show us who we are and what we ought to be. In the discipline of reading, students will continue to cultivate the skills of close reading and interpretation by immersing themselves into the great works of literature from the classical tradition of the West and by connecting the imagery of the poetic world to the landscape of history. The course follows a chronological structure in regards to literature that seeks to explore and integrate historical, political, theological, and artistic considerations along with literary analysis. Works studied span from the early Greek era through the late Medieval and early Renaissance period. In the discipline of writing, students will work to enhance their rhetorical skills through critical thinking, logic, and persuasion. This course also offers a review of grammar, provides a solid foundation for formulating well-written, multi-paragraph essays, and introduces the elements of research culminating in a research paper. Students are required to read various literary selections and write literary analyses over several works.

ENGLISH 10 (H) – Literature of the Humanities II (2 semesters; 1 credit)

Literature of the Humanities II provides a challenging approach to the study of classic pieces of literature, including prose, poetry and drama. Coinciding with world history, the works span from the latter half of the Renaissance to Modern Times and focus primarily on the historical influences of the Age of Exploration, the Reformation, the Enlightenment, the French Revolution, industrialization, imperialism, the Russian Revolution, and World War II. Along with five required novels, other works studied consist of various essays, poems, and short stories. Students participate in an in-depth analysis of each work studied and are expected to participate in discussion of the text. Students produce literature-based papers and are guided and monitored through an advanced researching process that produces a culminating research paper coinciding with a historical time period. Students are constantly challenged as Christians to evaluate “What is truth?” in the light of varied philosophies presented in literature.

ENGLISH 11 (H) (2 semesters; 1 credit)

This course provides a challenging approach to the study of American literature from the colonial period through the post-modern period. While reading and evaluating American literature, students will examine how growth and changes in American government, industry, society, and culture influenced writers of each era. Emphasis is placed on writing skills, grammar in writing, critical thinking, persuasive styles and techniques, and literary analysis. Required reading includes four novels. Various poems, essays, and short stories are also required reading. Most writing assignments are literature-based or history/literature-based, including a research paper.

ENGLISH 11 (AP® English Language and Composition) (2 semesters; 1 credit)

Prerequisites: Previous grades, recommendation from English 10 teacher, parental approval, and completion of the summer reading and writing assignment.

The AP® Language curriculum is designed to build a student's skills, understanding, and discipline in reading, writing, and critical thinking through a variety of classic and modern literature. Much of the literature in this course is nonfiction. While reading and evaluating American literature from colonial times through the present, students will examine how growth and changes in American government, industry, society, and culture influenced writers of each era; however, the focus of this course is to develop and hone close-reading skills. Students will write extensively in the MLA typed format and handwritten work while mastering literary elements. It is important to note that students taking this class should be competent in reading comprehension, solid in composition, and must meet all Humanities department recommendation requirements. Students are expected to read at least one book and complete a corresponding packet of requirements for each book during the summer. Most reading for this class is homework, thus not done during class. Emphasis is placed on persuasive styles and techniques, literary analysis, and synthesis. Students will also complete a history/literature-based research paper as well as course work designated on the class syllabus.

ENGLISH 12 (H) (2 semesters; 1 HS credit; 6 hrs college credit)

This course provides an intensive study of British literature ranging from the Old English period to the Modern period and beyond. It is reading and writing intensive. Fall semester is primarily a writing course (ENGL 1301) with literature woven throughout, and spring semester (ENGL 2323) is a literature course with writing woven throughout. We work concurrently with the senior-level government class to collaborate on joint projects that push students to integrate their learning from both disciplines and to practice skills that will aid them in becoming virtuous citizens of the City of God and the city of man.

ENGL 1301* (Composition I):

Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, medium, genre and style. Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis.

Literature to span Old English era to Renaissance.

ENGL 2323* (British Literature 1780-Present):

This sophomore level survey course will explore the Romantic, Victorian, and Twentieth Century periods of English literature. To facilitate a complete understanding of the writings and poetry, we study the historical events that coincide and inform the texts such as the French Revolution, the Industrial Revolution, the rise and fall of the British Empire, world wars, and approaches to social concerns such as faith, class, ethnicity, and gender within literary discourse.

*Course requirements are the same for all students, whether they are enrolled for dual credit or not.

ENGLISH 12 (AP® English Literature and Composition) (2 semesters; 1 credit)

Prerequisites: Previous grades, recommendation from English 11 teacher, parental approval, and completion of the summer reading and writing assignment.

This college-level course centers on literary analysis and criticism of classical texts, primarily British literature, along with a selection of in-class novels. Students study numerous texts in depth, write essays in MLA style, master literary and poetic terminology, and apply all knowledge to timed exams and essays. It is reading and writing intensive with one outside novel read during the year leading to a literary analysis; an examination of four styles of writing, resulting in formal essays, as well as several creative pieces throughout the year; and a MLA-documented research paper examining a thematic purpose of two classic British literature novels then establishing an argumentative thesis defended by primary and secondary sources. Students taking this class should be competent in reading comprehension and solid in composition skills, as well as meet all Humanities department recommendation requirements. Students are expected to read at least one novel/play and complete a corresponding packet of requirements for each during the summer, read seven additional novels/plays as in-class works, as well as course work designated on the class syllabus.

HISTORY 9 (H) – Ancient World History and Geography (2 semesters; 1 credit)

This course covers the beginning of recorded history through the Renaissance. The history, literature, geography, religion, culture, and art of each civilization are studied. The classical Greek and Roman roots of Western culture are highlighted, along with a study of major world religions and their influence on today's society.

HISTORY 10 (H) – Modern World History and Geography (2 semesters; 1 credit)

Beginning with the Reformation and continuing through the present age, this class examines the past events that have shaped our present world. A fully integrated study of political and church history, geography, music, literature, and art focuses primarily on our European heritage.

U.S. HISTORY (2 semesters; 1 credit)

This course begins with the colonization of North America, focuses on this nation's Christian heritage of self-government, and spans the entire length of American history, including the current events that impact the students of today. Using primary sources, the ideals that formed America's core values are thoroughly examined.

U.S. HISTORY (AP®) (2 semesters; 1 credit)

Prerequisites: Completion of History10 and English 10, recommendations from the History 10 and English 10 instructors, parental approval, and completion of the summer reading and writing assignment.

This college-level course is a survey of American History from 1491 to the present. The course has students investigate the content of the U.S. history for significant events, individuals, developments, and processes in 9 historical periods and develop and use the same thinking skills and methods employed by historians when they study the past. The course will focus on preparing students for the AP® US History exam offered every spring.

U.S. GOVERNMENT & POLITICS, FREE ENTERPRISE & ECONOMICS (2 semesters; 1 credit)

American Government is a study of the origins, institutions, and policies of national, state, and local government in the United States. The course promotes better citizenship through understanding and appreciation of American self-government. Students will also become familiar with the various Judeo/Christian influences on the development of U.S. government, as well as the role of virtue in the success of a republic. Free Enterprise and Economics is designed to provide young adults with an understanding of individual and national economic decisions and their consequences. Students will study opportunity costs, supply and demand, microeconomics, government policy, macroeconomics, foreign trade, and personal finance, including a personal financial responsibility unit. Students will be challenged to engage government, politics, and economics as a disciple of Jesus Christ to better understand the role and obligations of a Christian in a pluralistic and capitalist society.

U.S. GOVERNMENT & POLITICS (AP®), FREE ENTERPRISE AND ECONOMICS

(2 semesters; 1 credit)

Prerequisites: Completion of U.S History or AP® US History, personal recommendations from the History 11 and English 11 instructors, parental approval, and completion of the summer reading and writing assignment.

AP® Government is a college-level course in which students will be presented with an analytical perspective on government and politics in the U.S. 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 a familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Students will also become familiar with the various Judeo/Christian influences on the development of U.S. government, as well as the role of virtue in the success of a republic.

Free Enterprise and Economics is designed to provide young adults with an understanding of individual and national economic decisions and their consequences. Students will also study personal finance, including a personal financial responsibility unit. Students will be challenged to engage government, politics, and economics as a disciple of Jesus Christ to better understand the role and obligations of a Christian in a pluralistic and capitalist society.

MATHEMATICS

4 credits required

*Required courses are Algebra 1, Geometry, Algebra 2, and one additional math credit.

Calculator Policy: **ALL STUDENTS** are required to bring a graphing calculator, such as the TI-84 or TI-NSPIRE, to all high school math classes. The TI-89, TI-92, or any other CAS system will not be allowed to align with standardized testing policies.

ALGEBRA 1 (2 semesters; 1 credit)

Algebra 1 is the foundation for all future mathematics courses. Topics covered include the number system, functionality, solving and graphing linear equations and inequalities, combining and factoring polynomials, and solving and graphing basic quadratic equations. Graphing calculators are used periodically to increase students' understanding by comparing algebraic and graphical representations.

GEOMETRY (2 semesters; 1 credit)

Prerequisite: Algebra 1

In Geometry, students explore the properties of various geometric figures and the concepts of congruency and similarity. These topics will include application of area, volume, basic trigonometry, transformations, logic and proofs.

GEOMETRY (Pre-AP) (2 semesters; 1 credit)

Prerequisites: Satisfactory grades in Algebra 1 or teacher recommendation

Pre-AP Geometry is an in-depth study that moves at a faster pace than Geometry. Students will explore the properties of various geometric figures and the concepts of congruency and similarity. These topics will include application of area, volume, basic trigonometry, transformations, logic and proofs.

ALGEBRA 2 (2 semesters; 1 credit)

Prerequisites: Algebra 1 and Geometry (or Pre-AP)

The Algebra 2 content is designed to extend the concepts presented in Algebra 1 and Geometry and to explore a variety of functions. Time will be spent studying polynomial, rational, exponential and logarithmic and trigonometric functions, matrices and conics (as time allows).

ALGEBRA 2 (Pre-AP) (2 semesters; 1 credit)

Prerequisites: Satisfactory grades in Algebra I and Geometry (or Pre-AP), or teacher recommendation

Pre-AP Algebra 2 is an in-depth study that moves at a faster pace than Algebra 2. The Algebra 2 content is designed to extend the concepts presented in Algebra 1 and Geometry, and to explore a variety of functions. Time will be spent studying polynomial, rational, exponential and logarithmic and trigonometric functions, matrices and conics.

FOUNDATIONS OF COLLEGE MATH 1 (1 semester; 0.5 HS credit)

Prerequisite: Algebra 2

Foundations of College Math will provide a strong foundation of algebraic concepts, techniques and applications to prepare students for college level courses. Stress will be placed on strengthening algebra skills in the context of polynomial, exponential, and logarithmic functions. The curriculum of FCM covers the foundational concepts to prepare students for college math courses.

FOUNDATIONS OF COLLEGE MATH 2 (1 semester; 0.5 HS credit)

Prerequisite: Foundations of College Math 1

Foundations of College Math 2 will continue to provide a strong foundation of algebraic concepts, techniques and applications to prepare students for college level courses. Stress will be placed on strengthening algebra skills in the context of polynomial, exponential, and logarithmic functions. The curriculum of FCM covers the foundational concepts to prepare students for college math courses.

COLLEGE ALGEBRA (1 semester; 0.5 HS credit; 3 hrs college credit)

Prerequisites: Algebra 2 (or Pre-AP)

College Algebra covers a variety of algebraic topics, including linear, quadratic, polynomial, rational, exponential and logarithmic functions; systems of equations and inequalities; and matrices. It will allow students to receive both high school and college credit simultaneously. Students will be responsible for college registration fees and required software and/or books.

STATISTICS (ADV) (1 semester; 0.5 HS credit; 3 hrs college credit)

Prerequisites: Algebra 2 (or Pre-AP) and teacher recommendation

Statistics will introduce students to the major concepts and tools used for the presentation and interpretation of data, probability, sampling, correlation and regression, analysis of variance, and the use of statistical software. It will allow students to receive both high school and college credit simultaneously. Students will be responsible for college registration fees and required software and/or books.

PRE-CALCULUS (2 semesters; 1 credit)

Prerequisites: Satisfactory grades in Algebra 2 (or Pre-AP) or teacher recommendation

Pre-Calculus is an in-depth study of the various families of mathematical functions, their properties, and their graphs. Additional topics include trigonometry, sequences and series, probability, conic sections, and an introduction to limits of a function. This course is designed to move at a slower pace than the Pre-AP option.

PRE-CALCULUS (Pre-AP) (2 semesters; 1 credit)

Prerequisites: Satisfactory grades in Algebra 2 (Pre-AP) or teacher recommendation

Pre-Calculus is an in-depth study of the various families of mathematical functions, their properties, and their graphs. Additional topics include trigonometry, sequences and series, probability, conic sections, and an introduction to limits of a function.

CALCULUS (AP®) (2 semesters; 1 credit)

Prerequisites: Pre-Calculus (or Pre-AP) and teacher recommendation

The AP® Calculus curriculum is designed to prepare students for the AP® Calculus AB exam given each May. Students study the major concepts of first-semester college Calculus, including limits, derivatives, and integration.

SCIENCE

4 credits required

*Required courses are Biology, Chemistry, Physics, and one additional science credit.

BIOLOGY 1 (Grade 9; 2 semesters; 1 credit)

Biology 1 is a survey course in general biology emphasizing the life sciences as God created them. It is organized around five basic themes: cellular and molecular biology, taxonomy, natural history, scientific investigation and basic anatomy and physiology.

BIOLOGY 1 (Pre-AP) (Grade 9; 2 semesters; 1 credit)

Biology 1 (Pre-AP) is an accelerated survey course in general biology emphasizing the life sciences as God created them. It is organized around five basic themes: cellular and molecular biology, taxonomy, natural history, scientific investigation, and basic anatomy and physiology.

CHEMISTRY (Grade 10; 2 semesters; 1 credit)

Prerequisites: Biology and Algebra 1

Chemistry is a survey course in general chemistry that seeks to develop an appreciation of God's creation and to help develop verbal and mathematical skills for describing natural events. General topics include matter, atomic structure, the periodic table, chemical bonding, stoichiometry, thermodynamics, chemical kinetics and chemical equilibrium. Projects and lab experiments are utilized to enhance the understanding of the concepts being discussed.

CHEMISTRY (Pre-AP) (Grade 10; 2 semesters; 1 credit)

Prerequisites: Biology and Algebra 1; 80% or above in both classes.

Chemistry (Pre-AP) is an accelerated survey course in general chemistry that seeks to develop an appreciation of God's creation and to help develop mathematical skills for describing natural events. General topics include matter, stoichiometry, thermodynamics, the periodic table, atomic structure, chemical bonding and intermolecular forces, chemical kinetics and chemical equilibrium. Hands-on

experience with lab experiments and analysis, enhance understanding of the concepts covered.

CHEMISTRY (AP®) (Grades 11-12; 2 semesters; 1 credit)

Prerequisites: Biology, Pre-AP Chemistry, Algebra II Completed or Concurrent

AP® Chemistry is the equivalent of a first-year college chemistry course that prepares students to take the AP® Chemistry exam. It is a lab-based course which will include Stoichiometry, Chemical Kinetics, Equilibrium, Acid Base Equilibrium, Thermodynamics and Electrochemistry. Students must be strong in study habits, math, and critical thinking skills. The course will follow the guidelines for AP® Chemistry that are established by the College Board.

PHYSICS (Grade 11; 2 semesters; 1 credit)

Prerequisites: Biology and Chemistry

Physics is a conceptual course that explores a broad range of principles including introductory kinematics, Newtonian mechanics, projectile motion, conservation of momentum and energy, fluid and wave properties, electromagnetism, and a brief introduction to nuclear physics. Students receive experience in a laboratory setting and are challenged to think analytically, creatively, and critically.

PHYSICS (Pre-AP) (Grade 11; 2 semesters; 1 credit)

Prerequisites: Biology, Chemistry, and strong math skills

Pre-AP Physics covers the major topics found in a first-year college physics course. It is a lab-based course that includes the topics of mechanics, energy, matter, heat, sound and light, electricity, magnetism, and modern physics. Students must have a strong background in math and will be challenged to think critically and creatively.

PHYSICS (AP®) (Grade 12; 2 semesters; 1 credit)

Prerequisites: Physics (Pre-AP) and concurrent enrollment in Calculus or teacher recommendation

AP® Physics is the equivalent of a calculus-based, first-year college physics course that prepares students to take the AP® Physics C exam. It is a lab-based course which will include Newtonian and modern physics with sections of electricity and magnetism. Students must be strong in study habits, math, and critical thinking skills. Students will be in preparation mode for the AP® exam. A detailed lab book will be required, along with four projects.

FORENSIC SCIENCE (Grades 11-12; 2 semesters; 1 credit)

Prerequisites: Biology and Chemistry

Forensic Science is a course designed to develop and understand the techniques, problem solving skills and science behind forensics. Throughout the course, concepts from biology, chemistry, earth science, mathematics and physics will be explored as students investigate how forensic scientists utilize these disciplines to solve crimes. This is a lab-based class where students will be exposed to the

following topics: crime scene investigation; collection, handling and examination of trace evidence such as hair, fibers, soil, pollen and glass; fingerprint, blood and blood splatter examination; DNA, drug, handwriting, and tool mark analysis; impressions, ballistics, forensic anthropology; and the cause and determination of death. This course is intended for students who are interested in a broad exposure to a variety of scientific disciplines and their applications in the study of criminology.

ANATOMY AND PHYSIOLOGY (H) (Grades 11-12; 2 semesters; 1 credit)

Prerequisites: Biology and Chemistry

This is an accelerated course that uses a college text and is designed around three major unifying themes: 1) interrelationships of body organ systems; 2) homeostasis; and 3) complementarity of structure and function. It is designed to help students gain an appreciation for the intricate engineering designs God used to create the human body and a proficiency in vocabulary and knowledge in order to relate to and pursue a field of study in a medical profession.

CELL BIOLOGY (ADV) (Grades 11-12; 2 semesters; 1 HS credit; 4 hrs college credit)

Prerequisites: Biology and Chemistry, along with admission into the Dual Credit program

Cell Biology, or Biology 1306/1106 is the study of life at the cellular, microscopic level. It is the first part of a normal collegiate two-semester survey through the biological sciences that begins with atoms and ends with studies on ecosystems and the environment. Throughout this course, you will learn how scientists do science, and then you will see how these methods have been applied throughout the centuries of research in biology. The intricacies of life will be explored, from the smallest of subatomic particles to the most complex pathways of cellular energy metabolism to the molecules, DNA, and genes that control the expression of our inherited traits. Our time in this course and our examination of these details will show why all of creation glorifies God. This college-level course will give students the necessary background to succeed in a science-related field in college and/or provide college credit for a lab science course to students that are not planning to major in science.

ENGINEERING DESIGN * (Grades 11-12; 2 semesters; 1 credit)

Prerequisites: Algebra 1 or teacher recommendation

The Engineering Design course is the creative process of solving problems by identifying needs and then devising solutions. The solution may be a product, technique, structure, or process depending on the problem. Science aims to understand the natural world, while engineering seeks to shape this world to meet human needs and wants. Engineering design takes into consideration limiting factors or "design under constraint." The design process and problem solving are inherent to all engineering disciplines. Engineering Design reinforces and integrates skills learned in previous mathematics and science courses.

BIOTECHNOLOGY * (Grades 11-12; 2 semesters; 1 credit)

Prerequisites: Biology and Chemistry

In Biotechnology, students will apply advanced academic knowledge and skills to the emerging fields of biotechnology such as agricultural, medical, regulatory, and forensics. Students will have the opportunity to use sophisticated laboratory equipment, perform statistical analysis, and practice quality-control techniques. Students will conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students in Biotechnology will study a variety of topics that include structures and functions of cells, nucleic acids, proteins, and genetics.

*Engineering courses may count as a 4th science credit or as an elective credit.

FOREIGN LANGUAGE

2 credits required

SPANISH 1 (2 semesters; 1 credit)

Spanish 1 is an introduction to the basic foundation of the language. It offers the development of communicative abilities through the integration of skills in listening, speaking, reading, viewing and showing. Students focus on vocabulary groups and a presentation of grammar, which is provided with comprehensible language input through six themes. Class activities combine communication of culture and cross-curricular content.

SPANISH 2 (2 semesters; 1 credit)

Spanish 2 is a continuation of Spanish 1. A recursive Scope and Sequence is used to revisit the themes from Spanish 1. This class provides language practice and activities that develop all four language skills and focus on relevant language tasks. Students expand their vocabulary, grammar and cultural understanding in greater depth.

SPANISH 3 (Pre-AP) (2 semesters; 1 credit)

Prerequisites: Spanish 2 and teacher approval

Spanish 3 offers thought-provoking themes that integrate rich vocabulary groups and a thorough presentation of grammar. Class activities combine communication, culture, and cross-curricular content with authentic literature and poetry. This level provides a solid foundation for advanced Spanish study.

SPANISH 4 (AP®) (2 semesters; 1 credit)

Prerequisites: Spanish 3, previous grades, teacher recommendation, and parental approval through a signed contract agreeing to AP-level expectations

Spanish 4 offers thought-provoking themes that integrate rich vocabulary groups and a thorough presentation of grammar. Class activities combine communication, culture, and cross-curricular content with a special emphasis on more advanced literature and poetry. Strong emphasis is placed on preparing for the AP® Spanish Language and Culture exam through the use of AP®-specific activities, including

reading, writing, speaking, and listening. Students will complete an activity packet during the summer to be submitted the second day of class.

COLLEGE SPANISH (2 semesters; 1 HS credit; 8 hrs. college credit)

Prerequisites: Spanish 2, teacher approval, and Dual Credit admissions.

Spanish 1411 & 1412 - This full-year course will allow students to receive both high school and college credit simultaneously.

FINE ARTS
1 credit required

ACTS OF GRACE COMPANY (Grade 9-12; 2 semesters; 1 credit)

Prerequisites: Instructor or Department Chair approval

This course is performance-based and will teach and reinforce acting and production skills through scene work and the production of shows. The company competes in the TAPPS One-Act Play contest (Fall), produces a spring show, competes in the TAPPS Speech meet, produces student directed shows, and participates in a 6-12 grade showcase at the end of each year. **Outside rehearsals are Mondays 4-6pm and Fridays 1-4pm and are a required graded extension of the class.** Students who are committed to stage performance whose schedules do not accommodate the class schedule may be enrolled through independent study if cast in a show.

STAGECRAFT (Grade 9-12; 2 semesters; 1 credit)

Prerequisites: Instructor or Department Chair approval

Stagecraft is a hands-on introduction to the understanding, designing, crafting and execution of theatrical productions. Our objective is to learn the basics of theater terminology and to obtain the hands-on skills to properly execute the basic theatrical production. Students will be introduced to Set Construction, Scenic Painting, Maintaining/Cleaning the theater, Set Design, Props, Theater Appreciation, Tools/Equipment, Costumes, and Lights/Sound.

TECHNICAL THEATER (Grade 9-12; 2 semesters; 1 credit)

Prerequisites: Instructor or Department Chair approval

TECH students design lights, sound, and projections for every JH and HS production, as well as work in the booth and backstage. The class also is in charge of running lights, sound, and projection every other week for JH and HS chapels, as well as all other Fine Arts events, such as choir, orchestra, band, and drumline concerts. The class is scheduled to meet during the school day, but most work will occur before or after school. Meeting and rehearsal schedules will be determined throughout the semester with advanced notice.

INTRODUCTION TO ART (Grade 9-12; 2 semesters; 1 credit)

Introduction to Art is designed to take the beginner artist through the basic principles of art and elements of design. Students are given projects using color theory, design, and composition, with an emphasis on drawing, printmaking, and including a variety of other projects and media. Regular sketchbook assignments are required homework.

INTERMEDIATE ART (Grade 10-12; 2 semesters; 1 credit)

Prerequisite: Introduction to Art

Intermediate Art includes an in-depth study of visual perception and drawing as well as color theory and painting. Students will create challenging projects and *learn to use the language of design in talking about their own and their peers' work*. Meaningful investment in sketchbook homework is a significant component of the class.

ADVANCED ART (Grade 11-12; 2 semesters; 1 credit)

Prerequisites: Introduction to Art and teacher recommendation

Advanced Art is a course for higher-level art students. Students will be guided through individual projects that will help them develop a visual language, a creative process, and a collaborative approach to thinking about, talking about and producing art. Students will be expected to independently generate a significant quantity of work quickly, and to be responsible for the completion of work for a deadline. Meaningful sketchbook work, gallery visits and critiques will be required. This is for art students interested in furthering their art studies to have a completed art portfolio for college or career.

BEGINNING CERAMICS (Grade 10-12; 2 semesters; 1 credit)

Prerequisite: Introduction to Art

In Ceramics I, students will learn all the foundational skills for ceramic hand building that, once mastered, can be used to create an infinite variety of forms, both functional and non-functional. An emphasis on the elements and principles of design as they relate to 3-dimensional work is a strong component of this class. Students will create individual work that will be kiln-fired and glazed. Students will also be introduced to the historical context and contemporary applications of the medium.

INTERMEDIATE CERAMICS (Grade 11-12; 2 semesters; 1 credit)

Prerequisite: Beginning Ceramics and teacher approval

Ceramics II is an intermediate course in which students will further explore and develop hand-building skills as they relate to the expression of ideas in abstraction. Students will also be introduced to basic wheel-throwing techniques. A rotation schedule will have students working alternately on these skills throughout the year. Students will view professional ceramic work and respond in writing, as well as participate in the semester's Art Gallery. May be repeated for credit.

CONCERT CHOIR (Grade 9-12; 2 semesters; 1 credit)

Prerequisite: Director approval based on previous year's artistic discipline and progress.

The Concert Choir is for students who exhibit a serious interest in choir and a commitment to excellence in work ethic and attitude. Each student must purchase performance attire, and those making auditioned ensembles may have additional attire fees for optional show choirs. The Concert Choir will compete in TAPPS and TMEA competitions, as well as perform in community and school programs. Occasional outside-of-class practices will be scheduled prior to major performances, concerts, and TAPPS competition. Students desiring to excel in their musical abilities can earn the opportunity to audition for one of two small ensembles that will rehearse once a week, either one afternoon after school or one morning before school. These ensembles are The Cougar Chorale (a mixed ensemble, SATB), and The Tapestry Singers (an SSA ensemble.)

CONCERT BAND (Grade 9-12; 2 semesters; 1 credit)

Prerequisites: Basic proficiency on instrument and music reading.

This band explores various genres of music and performance, including ensemble performances at various events, competitions and concert performances. Jazz Band and Full Orchestra are auxiliary ensembles available to selected students from the Concert Band.

PHILHARMONIC STRING ORCHESTRA (Grade 9-12; 2 semesters; 1 credit)

Prerequisites: Director approval based on previous year's performance and progress.

The Philharmonic Orchestra will concentrate on advanced skills and repertoire. Students must already have a mastery of shifting, sight-reading, and intonation. Students are expected to prepare selected music for TAPPS and the TMEA All-Region audition process in the fall. The group has many school and community performance opportunities. Emphasis on helping the students prepare for college auditions is also an integral part of the class.

HIGH SCHOOL DRUM LINE (Grade 9-12; .5 PE credit in fall; .5 fine arts credit in spring)

Prerequisite: Selection by audition

This after-school activity is designed to help students develop skills on a variety of percussion instruments, and to give students the opportunity to play various styles of percussion music. In the fall semester, high school drum line focuses on football game performances and fall drum line competitions, including the TAPPS State Drum Line Contest. In the spring semester, the drum line participates in the TAPPS State Solo and Ensemble Contest, and holds an annual year end concert. There are also several performances for other school and community events throughout the year. There is a required yearly participation fee, and all practices and performances are mandatory.

SPEECH **.5 credit required**

SPEECH (Grade 10-12; 1 semester; .5 HS credit)

This course focuses on principles of speech preparation and public speaking. Students will study speech from a theological point of view and learn more about ethics in speaking. Students will develop skills in writing and delivering effective speeches and gain experience in preparing informative, persuasive and demonstration speeches.

SPEECH COMMUNICATIONS (COMM 1113)

(Grades 11-12; 1 semester; .5 HS credit; 3 hrs college credit)

Prerequisite: Minimum 3.0 cumulative GPA; admission into dual credit program

Students will study basic communication principles, with emphasis placed on public speaking. Topics include classical origins of communication, communication theory, speech development and organization, use of visual aids, and strategies for informative, persuasive, and special occasion speeches.

DEBATE (Grade 10-12; 2 semesters; 1.0 credit)

Prerequisite: Teacher approval

Students will develop public speaking skills through competing in the extra-curricular activities of Extemporaneous Speaking, Student Congress and Lincoln/Douglas style Debate, while utilizing various skills associated with the art and science of rhetoric. Students will also be introduced to and required to discuss both local and global current issues and events. Students will be required to attend and compete in at least 2 academic meets in the fall and 2 meets in the spring.

ELECTIVES

COMPUTER PROGRAMMING (Grade 9-12; 2 semesters; 1 HS credit)

This is an introductory level, high school computer programming class that will implement learning by doing. Students will build applications using various platforms in order to learn basic programming concepts as well as patterns in syntax. For this school year, students will be using MIT's App Inventor 2, Apple's Swift Playgrounds app, and Google's App Maker platform.

GENERAL PSYCHOLOGY (Grade 11-12; 1 semester; .5 HS credit; 3 hrs college credit)

General Psychology is a college-level course taught by a GCS instructor and will allow students to receive both high school and college credit simultaneously. General Psychology is a survey of the major psychological topics, theories, and approaches to the scientific study of behavior and mental processes. Emphasis is placed on major areas of study in the field of psychology such as learning, memory, personality, health and stress, child and adult development, and psychological disorders. Students will be responsible for college registration and required books.

TEST PREP (Grade 10-12; 1 semester; .5 credit)

This elective course is designed to give students practical instruction and test practice for the PSAT, SAT, and ACT. It will meet on a regular course schedule and will be one semester in length. Instructors will vary time between math and critical reading preparation, focusing on test-taking strategies, general review of test content, and regular practice tests.

VIDEO PRODUCTION (Grade 9-12; 2 semesters; 1 credit)

Prerequisites: Instructor or Department Chair approval

Through viewing, analyzing, and discussing classic and modern films, students will learn the basics of making their own movies. Emphasis will be placed on narrative, cinematography, and editing, as well as evaluating and critiquing professional and student-produced films. Weekly requirements include viewing one film outside of class and being able to describe and discuss it and keeping a film journal.

PHYSICAL EDUCATION/ATHLETICS

1.0 credit required

The P.E. requirement may be met through any combination of activities listed below:

1. **Speed and Strength Class.** This class is available to all grades and can be one or two semesters in length. It helps students improve athletic performance through a speed and strength program designed to increase strength, explosiveness, quickness, and endurance. Completion of one semester will earn .5 PE credit.
2. **Participation in school-sponsored, high school sports and spirit groups.** Successful completion of one athletic season earns .5 PE credit. Successful completion of two or more athletic seasons will earn 1.0 PE credit.
3. **Participation in an approved extra-curricular activity.** A minimum of 30 hours of physical activity is equal to a one-semester P.E. credit. It is recommended that students meet with a Guidance Counselor in advance to ensure the activity will meet requirements, and students must submit a **Physical Education Alternative Credit** form upon completion of the activity. Examples of activities are dance classes, horseback riding, tennis, karate, club sports, yoga, etc. PE Alternative Credit forms are available in the high school office and on ParentsWeb under School Information > Resource Documents.

Requesting Courses Through FACTS SIS

After reviewing the Course Selection Guide and deciding which courses you'll need for the coming year, follow the instructions below to submit your requests online.

- Log in to ParentsWeb.
- Click the Student Information tab on the left side.
- Click the Course Request button in the menu on the left.
- Click on the tab of the student for whom you would like to submit course requests.
- Carefully read the instructions on the request form and make selections from the drop-down menus as required.
- When complete, click Save at the bottom of the request form and watch for the phrase, "Updated Course Requests!" to appear at the top left of the page.
- After submitting your initial course requests, you may make changes to those requests by following the same procedures each time you go back. The online course request form will be closed after the submission deadline.

