

HIGH SCHOOL COURSE CATALOG

2023 - 2024



TRINITY
ACADEMY

TRUTH • FAITH • CHARACTER

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2023-24 GRADUATION REQUIREMENTS

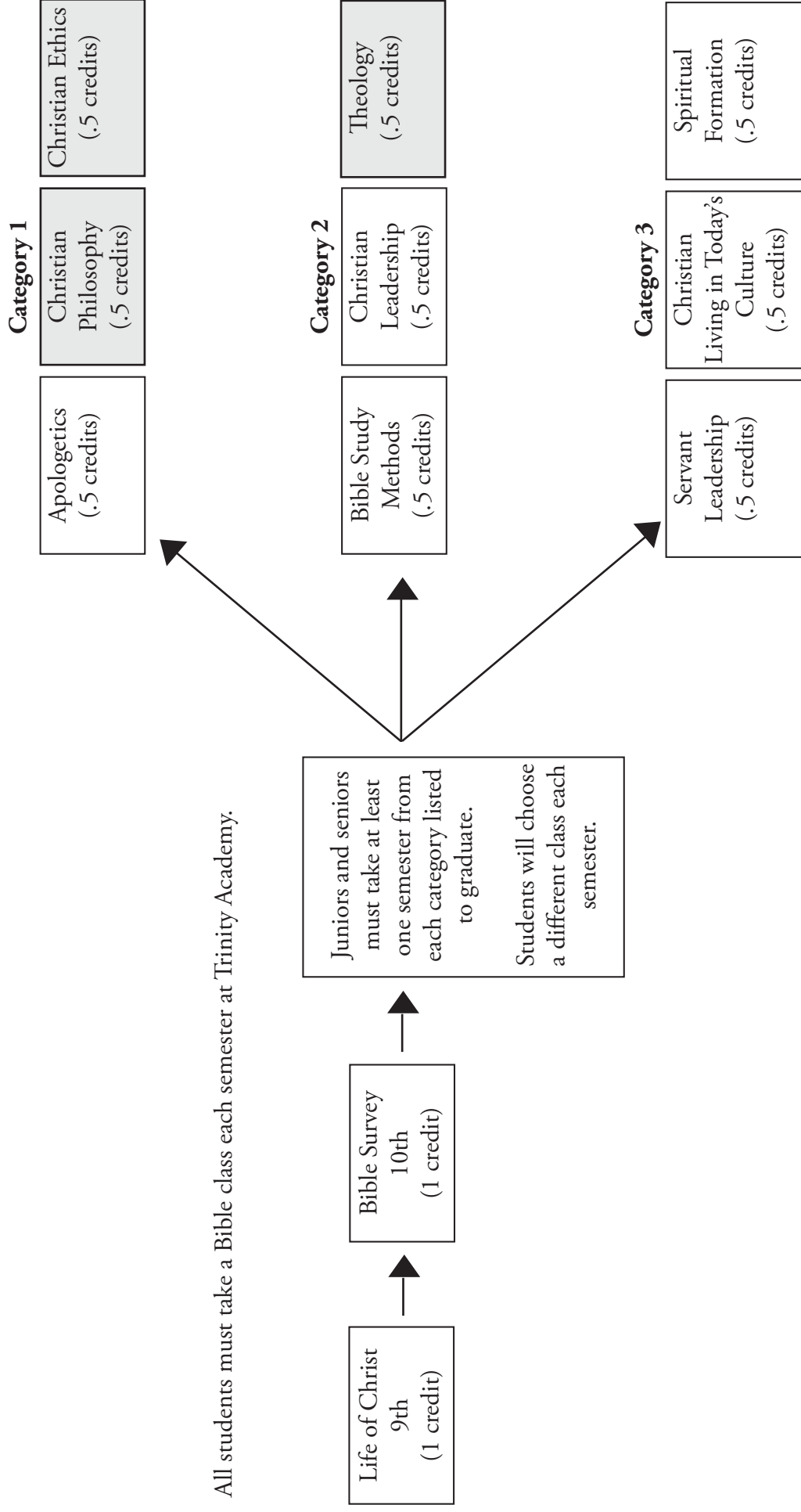
SUBJECT	*SCHOLAR'S CURRICULUM	REQUIRED CURRICULUM
BIBLE	4	4
ENGLISH	4	4
MATH	4 Must include College Algebra or above	3
SCIENCE	3 Biology Chemistry Physics	3 Biology Chemistry Other
SOCIAL SCIENCE	3.5 World History US History 1 US History 2 Government (.5)	3.5 World History US History 1 US History 2 Government (.5)
SPANISH	2	1 Required (2 Recommended)
FINE ARTS	1	1
HEALTH & PE	1	1
PUBLIC SPEAKING	.5	.5
PERSONAL FINANCE	.5	.5
ELECTIVES	3.5	2.5
TOTAL CREDITS	27	24

*Satisfies Kansas Qualified Admissions Curriculum (FHSU, KU, KSU, PSU, ESU, WSU)

2023-24 GRADING SCALE

LETTER GRADE	PERCENTAGE	4.0 GRADING STANDARD	4.5 GRADING HONORS	5.0 GRADING AP AND DUAL CREDIT
A	93-100%	4.0	4.5	5.0
A-	90-92%	3.7	4.2	4.7
B+	87-89%	3.3	3.8	4.3
B	83-86%	3.0	3.5	4.0
B-	80-82%	2.7	3.2	3.7
C+	77-79%	2.3	2.8	3.3
C	73-76%	2.0	2.5	3.0
C-	70-72%	1.7	2.2	2.7
D	65-69%	1.0	1.5	2.0
F	64%	0.0	0.0	0.0

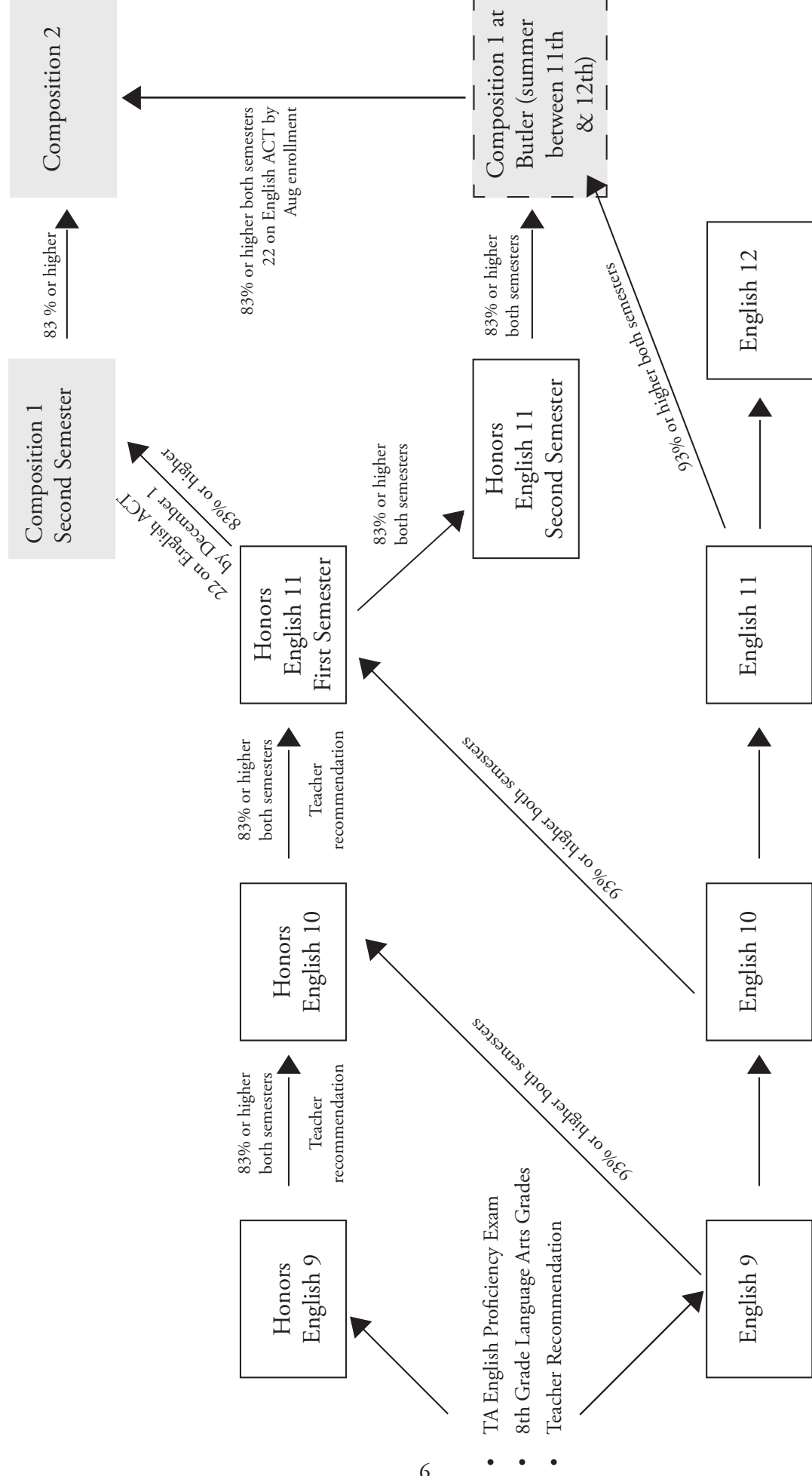
BIBLE COURSE SEQUENCE OPTIONS



Students who transfer to Trinity during their junior or senior year may take Life of Christ or Bible Survey, depending on their interests and input from the Admissions office.

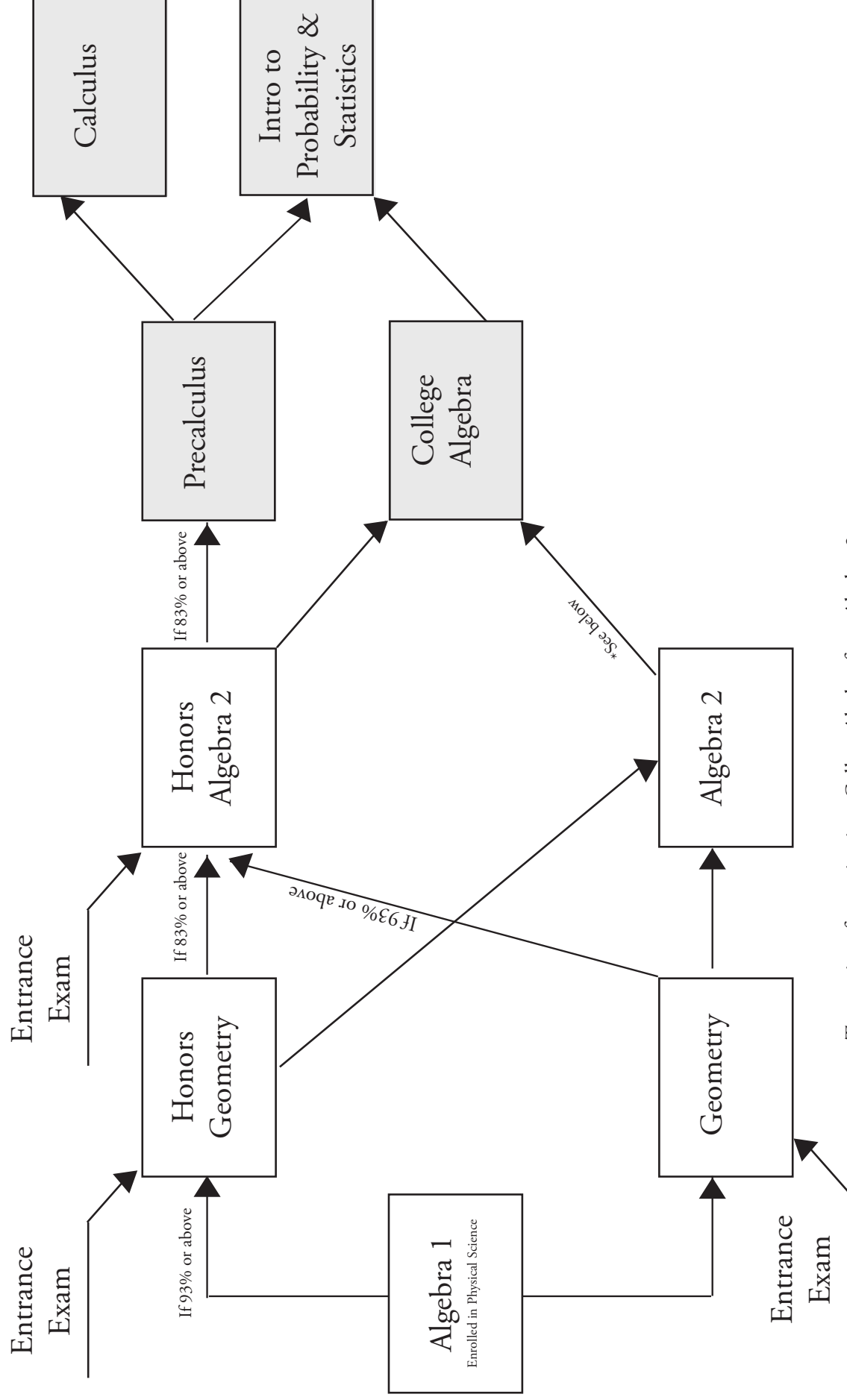
 Classes for potential college credit.
 Cumulative GPA of 3.0 or higher for taking college credit.

ENGLISH COURSE SEQUENCE OPTIONS



- TA English Proficiency Exam
- 8th Grade Language Arts Grades
- Teacher Recommendation

MATH COURSE SEQUENCE OPTIONS



Two options for getting into College Algebra from Algebra 2:

- 73% or higher both semesters in Algebra 2
- 21 or higher on ACT math subtest score

Classes for potential college credit. Cumulative GPA of 3.0 required for taking college credit.

SCIENCE COURSE SEQUENCE OPTIONS

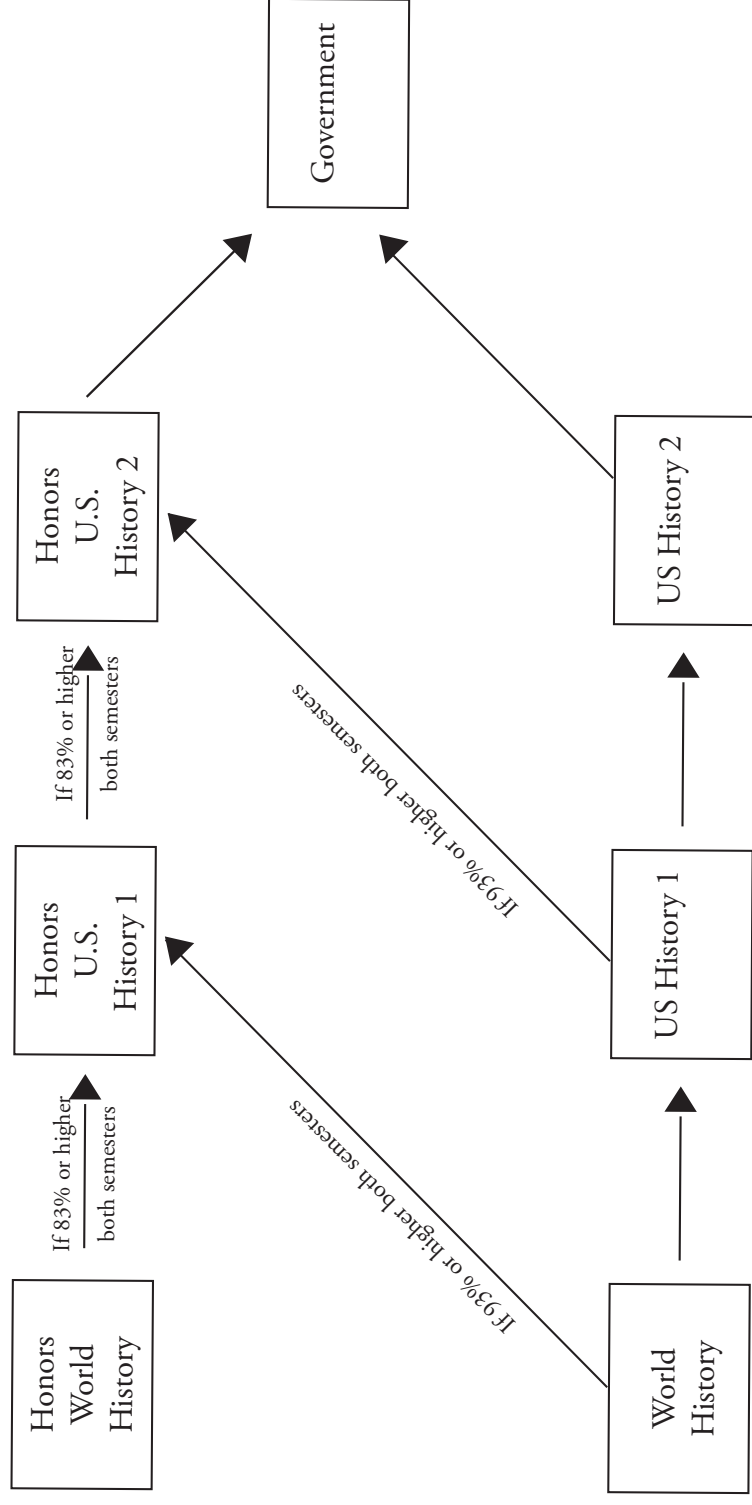
FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
<div>Physical Science Enrolled in Algebra I or higher</div> <div>Honors Biology Enrolled in Honors Geometry or higher</div>	<div>Biology Enrolled in Geometry or higher</div> <div>Honors Chemistry Received a "B" or higher in Honors Biology AND Enrolled in Honors Algebra 2 or higher</div> <div>Physical Science Below a "B" in Honors Biology or NOT enrolled in Honors Algebra 2 or higher</div>	<div>Chemistry Enrolled in Algebra II or higher</div> <div>Physics Completed Algebra 2 with a "B" or higher</div> <div>Honors Physics Received an 85% or higher in Honors Chemistry AND Completed or enrolled in Pre-Calculus or above</div> <div>Anatomy & Physiology Completed Biology and Chemistry or higher</div> <div>AP Biology Instructor approval</div>	<div>General Lab Science Instructor approval and 3 years of high school science</div> <div>AP Physics 2 Instructor approval</div> <div>Any Junior Class</div>

Classes for potential college credit.

Cumulative GPA of 3.0 or higher for taking college credit.

HISTORY COURSE SEQUENCE OPTIONS

- 93% or higher both semesters in 8th grade social studies/history.
- Qualifying score on history entrance exam.



Classes for potential college credit - cumulative GPA of 3.0 or higher required if taken for college credit

BIBLE DEPARTMENT

Course: Bible 9 - Life of Christ**Course Length: 1 Year****Course Level: Freshman****Prerequisite: None**

The Life of Christ course is designed to help students see the world through the eyes of Jesus. The purpose of the class is to help students integrate the teachings and lifestyle of Jesus into every area of their lives on a daily basis. Particular emphasis will be placed on the life and times of Jesus and how the words and actions of Jesus can be properly translated into our current culture. There will also be an emphasis on practical application of the teachings of Christ in the everyday life of the student. Spiritual formation is best done when we take on the attitudes and attributes of Jesus.

Course: Bible 10 - Bible Survey**Course Length: 1 Year****Course Level: Sophomore****Prerequisite: None**

This course will help students grasp the big picture of the Bible in both Old and New Testaments. The focus of the first semester will be on the storyline of God's involvement with His people from creation to the return from Babylonian captivity in the Old Testament. The second semester will pick up with the 400 silent years into the synoptic gospels, move through the story of Christ's life and ministry, and finish with the growth and spread of the early church as detailed in Acts. Along the way, students will learn major people, places and events, locate major geographical movements, and be exposed to a brief understanding of the content and theme of many of the Old and New Testament books. Special emphasis will be placed on God's universal principles and their application to daily life as displayed through key characters and events.

Course: Christian Philosophy**Course Length: 1 Semester; 3 hours college credit through Friends University****Course Level: Junior or Senior****Prerequisite: A cumulative grade point average of 3.0 or higher**

This course will provide a survey of philosophical worldviews from Greek philosophy through contemporary philosophies such as existentialism. It will evaluate those philosophies from a biblical worldview. This course will help students to do evangelism and apologetics in a world that is saturated with secular philosophies.

Course: Apologetics**Course Length: 1 Semester****Course Level: Junior or Senior**

This course will evaluate the evidence for and against Christianity. This evaluation will be based on the special revelation of the Bible and the general revelation of the universe and the human condition. This course will strengthen students' faith and help them defend it in conversations with non-believers.

Course: Theology**Course Length: 1 Semester; 3 hours college credit through Friends University****Course Level: Junior or Senior****Prerequisite: A cumulative grade point average of 3.0 or higher**

This course will introduce students to the major doctrines in Scripture, such as revelation, salvation, the nature of God, the Trinity, the nature of creation, the role of the Church and many others. This course will look at key concepts and differing stances in these areas, along with practical implications and the integration of these doctrines into students' spiritual lives.

Course: Spiritual Formation**Course Length: 1 semester****Course Level: Junior or Senior****Prerequisite: None**

This class is focused on helping each student conform to the image of Christ. This will be a deep spiritual dive that will engage students in the transformation of the heart and mind with the goal of developing habits, attitudes and narratives that are characteristics of apprentices of Jesus. (Note: Summer or Christmas break reading required)

Course: Christian Leadership**Course Length: 1 semester****Course Level: Junior or Senior****Prerequisite: None****Required for all Community Group Leaders**

This class is designed to help those students involved in various areas of leadership at Trinity Academy or in their churches. It also will help any student who wants to become a better Christian leader. Students will develop a theology of leadership and will discuss the principles and practices of sound Biblical leadership. This class will equip students to handle the various challenges and opportunities of leadership.

Course: Christian Ethics**Course Length: 1 semester; 3 hours college credit through Friends University****Course Level: Junior or Senior****Prerequisite: A cumulative grade point average of 3.0 or higher**

This course will introduce students to the formal study of ethics and its importance from a biblical perspective. It will provide an overview of historical and contemporary ethical views with analysis and critique of those views. Students will learn to make ethical decisions by applying a biblical decision-making model to contemporary ethical issues. Specific issues that will be covered include human personhood, the beginning of life, the end of life, sexual ethics, drugs, relationships and economics. (Note: Summer or Christmas break reading required)

Course: Christian Living in Today's Culture**Course Length: 1 semester****Course Level: Junior or Senior****Prerequisite: None**

How can today's Christians welcome those around them who have radically different beliefs, yet remain faithful to the Gospel? We will discuss the role of the sinful nature vs spiritual nature. Using the words of Jesus and the letters of James and Peter, we will reframe our way of being in the world but not of the world.

Course: Bible Study Methods**Course Length: 1 semester****Course Level: Junior or Senior****Prerequisite: None**

This course will help students develop a lifelong habit of studying the Word of God. We will use various methods like dwelling in the Word, character study, book study, and more to explore different ways to gain knowledge and understanding from Scripture.

Please refer to the English Sequence Flow Chart on page 5.

BUSINESS, TECHNOLOGY AND COMMUNICATIONS DEPARTMENT

Course: Foundations of Personal Finance

Course Length: 1 Semester; 3 hours college credit through Tabor College (optional)

Course Level: Junior or Senior

Prerequisite: Cumulative grade point average of 3.0 or higher if taken for college credit

Principles of personal finance, budgeting, giving, insurance, debt, investing, taxes, purchasing a vehicle, paying for college, and home buying will be explored. Time will also be spent on general topics pertaining to money such as food and entertainment, as well as how technology has impacted the world of money. A unit on poverty and wealth will be integrated into the curriculum. Care will be given to engage each topic from a biblical perspective.

Course: Digital Productions

Course Length: 1 Year

Course Level: Open to all students

Prerequisite: None

A year-long course focused on creating and editing digital videos and podcasting. This course deals with the elements of digital communications working primarily with industry standard software involved in video editing, audio editing, illustration, and page layout. Some productions will serve as school announcements, podcasts, and informational videos.

**Class offering is dependent upon sufficient enrollment numbers.*

Course: Computer Programming

Course Length: 1 Year

Course Level: Junior or senior

Prerequisite: None

Computer Programming serves to introduce students to the rapidly growing field of computer coding and data analytics. The course is designed to give students an overview of several commonly used coding languages and to introduce students to the skills and tools of data analytics. The application of these tools for future education and career options will also be explored. Concepts covered in the course include overview of spreadsheets, data analysis and visualization in spreadsheets, pivot tables, marketing analytics, fundamentals of SQL, introduction to R and Tableau coding languages, and certification in Python. Students will use online based programs and tools to develop computer coding, data science, and data analytics skills.

Course: Public Speaking

Course Length: 1 Semester; 3 hours college credit through Friends University (optional)

Course Level: Junior or Senior

Prerequisite: Cumulative grade point average of 3.0 or higher if taken for college credit

This course focuses on principles of communication through the following methods: lectures, discussions, class exercises, formal and informal oral presentations of various types, analyses and critiques, use of technology in presentations, and quizzes over material covered in the text. Students implement the Christian worldview throughout their various speaking assignments and written assessments.

Course: Valley State Bank Internship

Course Length: 1 Year

Course Level: Seniors

Prerequisite: None

This course is a collaborative partnership between The Valley State Bank and Trinity Academy. The purpose of the course is to provide an internship opportunity for students to gain valuable work experience and actively learn about the banking and financial environment. Additionally, students will learn money management skills that have application in both personal and organizational contexts. As part of the internship program, students will work at The Valley State Bank, handling customer deposits, withdrawals, and other transactions. Students are required to participate in training sessions provided by The Valley State Bank staff. Students will also be presenting financial literacy lessons to Trinity Academy K-12 students throughout the school year. The course is offered for 1 elective credit. Enrollment in the course is only open to senior students who have completed the application and interview process, and were chosen as an intern by the selection committee.

Course: Macroeconomics

Course Length: 1 Semester; 3 hours college credit through Friends University (optional)

Course Level: Junior or Senior

Prerequisite: Cumulative grade point average of 3.0 or higher if taken for college credit

Students are introduced to macroeconomic principles essential to understanding our economic system. The course begins with an introduction to economics and the economy and then focuses on specific topics such as domestic output, national income, price level stability, employment and fiscal policy, redistribution of wealth, money and banking, and monetary policy. Biblical principles are used to illustrate the Christian perspective on economic issues.

Course: Business Law

Course Length: 1 Semester; 3 hours college credit through Newman University (optional)

Course Level: Junior or Senior

Prerequisite: Cumulative grade point average of 3.0 or higher if taken for college credit

This course provides a survey of practical issues involving a variety of legal circumstances such as contract formation and termination, consumer rights, banking fundamentals, business formations, civil and criminal liabilities and responsibilities, property rights and vicarious liability. The goal of this introductory class is to examine how the fundamental principles of business and personal law affect us all and to analyze how such principles are rooted in biblical truth.

ENGLISH DEPARTMENT

Course: English 9 or Honors English 9

Course Length: 1 Year

Course Level: Freshman

Prerequisite: Honors English 9 requires a grade of "A" both semesters in 8th grade English, a teacher recommendation, and a qualifying score on the placement exam.

These courses encourage an appreciation of world literature, enhance vocabulary and writing skills, and nurture creative thinking. The correct usage and application of English grammar is emphasized. These courses also teach effective study habits and encourage students to develop good time management and organization skills.

Course: English 10 or Honors English 10

Course Length: 1 Year

Course Level: Sophomore

Prerequisite: Honors English 10 requires a grade of 93% or higher both semesters in English 9 or 83% or higher both semesters in Honors English 9 and teacher recommendation.

These courses are designed to help students develop in all aspects of the language arts curriculum: literature, nonfiction, composition, vocabulary, spelling, grammar, and formal oral presentation. Designed to be compatible with U.S. History 1, English 10 and Honors English 10 focus on American literature from the colonial period to the Civil War.

Course: English 11

Course Length: 1 Year

Course Level: Junior

Prerequisite: None

This course is designed to help students master English grammar and punctuation, practice composition, polish research skills, learn better time management, and practice oral communication skills. The student is expected to refine his writing skills and improve vocabulary. The course also focuses on modern American literature and engages in close textual reading. The emphasis is on literary analysis and critical thinking.

Course: Honors English 11/Composition 1

Course Length: 1 year; 3 hours college credit through Friends University

Course Level: Junior

Prerequisite: A cumulative grade point average of 3.0 or higher, a grade of 83% or higher in Honors English 11 first semester, and an ACT English subtest score of 22 or higher by December 1 of the junior year.

This course is designed to help students master English grammar and punctuation, practice composition, polish research skills, learn better time management, and practice oral communication skills. The student is expected to refine his writing skills and improve vocabulary. The course also focuses on

modern American literature and engages in close textual reading. The emphasis is on literary analysis and critical thinking. The Composition 1 course meets the college composition requirements for English 201.

Course: English 12

Course Length: 1 Year

Course Level: Senior

Prerequisite: None

Students in this course read and analyze British literature, practice composition, refine research skills, use oral communication skills, practice grammar and punctuation, and study vocabulary.

Course: Honors English 12/Composition 2

Course Length: 1 year; 3 hours college credit through Friends University

Course Level: Senior

Prerequisite: Completion for college credit of Composition 1 with a grade of 83% or higher; a cumulative grade point average of 3.0 or higher; and an ACT English subtest score of 22 or higher. If a student earns an 83% or higher in Honors English 11 or a 93% or higher in English 11, he may enroll in Composition 2 if he has an ACT English subtest score of 22 or higher and earns an 83% or higher in taking Composition 1 at Butler County Community College the summer between the junior and senior years.

In this college level course, students read and analyze British literature and apply these readings in completing college composition requirements for college credit during the spring semester. A documented research paper is required in the spring. The class provides further opportunities to refine research skills, use oral communication skills, improve mechanics skills, and expand vocabulary usage. The Composition 2 course meets the college composition requirements for English 202.

Please refer to the English Sequence Flow Chart on page 6.

FINE ARTS DEPARTMENT

Course: Art Technique and Foundations**Course Length: 1 Year****Course Level: Open to all students****Prerequisite: None**

Being made in the image of God, man has the desire to create. Because of this desire, we study art. Art Technique and Foundations is a prerequisite class for Advanced Art Studio. Art Technique and Foundations offers a firm foundation in the design elements and principles, and uses materials and processes to produce various kinds of visual arts. As students advance, they are encouraged to develop their own creative styles. In art classes, we explore a variety of art forms used to create individual works of art. Career opportunities in visual art are also explored.

Course: Advanced Art Studio**Course Length: 1 Year****Course Level: Sophomore and above****Prerequisite: Art Technique and Foundations**

In this course, students develop a greater proficiency in the use of various art media and become more familiar with the variety of media possibilities. A continuing emphasis is given to the development of good drawing skills. Other skills developed include: solving visual art problems using flexibility, visually and verbally communicating personal ideas and emotions about art and its quality, and understanding the visual arts in relation to history and cultures.

Course: Pottery or Advanced Pottery**Course Length: 1 Year****Course Level/Prerequisite: Pottery is open to all students and is required for enrollment in Advanced Pottery**

Beginning students explore foundational clay construction techniques and applications. Advanced students will be exposed to more complex techniques as they continue to develop and refine their skills and craftsmanship.

Course: Photography**Course Length: 1 Year****Course Level: Open to all students****Prerequisite: None**

Students in this course explore the basics of photography by constructing a simple camera. Application of the photographic process is then transferred to their own cameras. Photo shoots will be used, which are designed to teach composition, lighting, action, portraiture, and still life. Students use Photoshop techniques to enhance their portfolio. Each student must provide his own camera. The camera must have a manual aperture, shutter and flash.

Course: Art History**Course Length: 1 Semester****Course Level: Sophomore and above****Prerequisite: None**

This course is designed to allow students to examine major forms of artistic expression relevant to a variety of cultures evident in a wide variety of periods from present times to the past. Students acquire an ability to examine works of art critically, with intelligence and sensitivity, and to articulate their thoughts and experiences. This course is a prerequisite for an optional summer trip to Europe.

Course: Introduction to Music Theory**Course Length: 1 Semester****Course Level: Junior or Senior****Prerequisite: Concurrent enrollment in a music ensemble (instrumental or choral) and teacher approval**

This course is designed to prepare students who are interested in pursuing a music major or minor in college. Topics covered include: music reading, harmony, keyboard work, sight singing, analysis, dictation and ear training. The fundamental elements of music (pitch, rhythm, melody, harmony, and form) are emphasized.

Course: Ladies' Ensemble or Men's Ensemble**Course Length: 1 Year****Course Level: Open to all students****Prerequisite: None**

This is a gender specific, introductory course dedicated to the vocal performance of quality literature from all periods of music history. The performance schedule includes a variety of venues. Class periods will focus on learning repertoire and building musicianship. Attendance at area choral concerts and reports on the same are requirements for each ensemble member.

Course: Concert Choir**Course Length: 1 Year****Course Level: Sophomore and above or teacher approval****Prerequisite: Chosen from the Men's and Ladies' Ensemble**

The Concert Choir is dedicated to the performance of quality literature from all periods of music history. The performance schedule includes a variety of venues. Class periods will focus on learning repertoire and building musicianship. Attendance at area choral concerts and reports on the same are requirements for each Concert Choir member.

Course: Theater Arts**Course Length: 1 Year****Course Level: Open to all students****Prerequisite: None**

This course has a rotating curriculum so that returning students experience new course material every year and experience new challenges. The students will gain key knowledge in theatre performance techniques and vocabulary and will always work to develop their individual physical, vocal, and emotional skills. Depending on the year, students will learn about character development, genres, vocal and physical practices for the actor, technical topics such as design, makeup, costuming, theater history. Students will read many plays in class!

Course: Advanced Theater Arts**Course Length: 1 Year****Course Level: Sophomore or above****Prerequisite: Theater Arts**

This course will build upon skills the students have gained through prior performance or technical experience. Content will center on leadership, design, and directing opportunities. Students will be involved in producing productions and may assist with various directing and design areas through leadership in productions taking on the role of stage manager, props manager, assistant director, costume designer, and other roles.

Course: Stagecraft**Course Length: 1 Semester****Course Level: Open to all students****Prerequisite: None**

Stagecraft is focused on techniques of theatrical production, focusing on transferrable skills and preparing students for their interests and vocations. The course introduces basic skills of carpentry, set design and painting, lighting design, materials and business management. Special attention is given to team communication skills, problem solving, and efficiency and accuracy in craftsmanship.

Course: Concert Band - Knight Noise Band**Course Length: 1 Year****Course Level: Open to all students****Prerequisite: Teacher approval**

Enrollment in this course includes participating in Marching Band, Pep Band and ensembles. Students enrolling in this class must have previous band experience in elementary or middle school and instrumentation is limited to traditional band instruments (no guitars). The performance schedule includes a variety of venues and attendance at performances is required. Band may be taken all four years, and students may complete requirements for lettering each year.

Course: Jazz Band**Course Length: 1 Year****Course Level: Open to all students****Prerequisite: Concurrent enrollment in Concert Band and teacher approval by interview and audition**

This course offers the opportunity to learn and perform jazz, rock and swing music. Improvisational skills are also taught. Instrumentation in this class includes saxophones, trombones, trumpets, piano, guitar, bass and drum set players. Rehearsals are during zero hour two mornings a week. Enrollment in Knight Noise & Concert Band is required for brass, winds, percussion and bass.

Course: Worship Through Music**Course Length: 1 year****Course Level: Freshman and above****Prerequisite: Teacher approval by interview and audition**

This course is designed to focus on the Christian's worship response using music as a tool. The content emphasizes how true worship is the central and foundational response of the Christian life. The class is divided into worship ensembles, and each will prepare for and lead the worship for the school's chapel gatherings.

FOREIGN LANGUAGE DEPARTMENT

Course: Spanish Foundations (Spanish 1)

Course Length: 1 Year

Course Level: Open to all students

Prerequisite: None

Students in Spanish Foundations will learn the basics of the language by focusing on reading, listening, writing, and speaking in Spanish. Students will learn Spanish in context through reading stories and articles, learning about cultural events, listening to videos, and having conversations. Learners will focus on a number of high frequency words in everyday language. The goal for students is to achieve a Novice High level of language proficiency as described by the ACTFL standards by the end of the year.

Course: Spanish Connections (Spanish 2)

Course Length: 1 Year

Prerequisite: Spanish 1 or teacher approval

Students who have foundational knowledge of Spanish will continue to practice correct noun-verb agreement, solidify noun-adjective agreement, practice prepositions, learn new cultural practices and perspectives, and begin being exposed to and using past tense verbs. Students will develop their learning through reading, listening, writing, and speaking and using focused terms to broaden language skills to include words with contextual variety. By the end of the year-long course, the goal for students is to achieve an Intermediate Low level of language proficiency as described by the ACTFL standards.

Course: Intermediate Spanish (Spanish 3)

Course Length: 1 Year

Prerequisite: Spanish 2

Students will progress to their third year of language by continuing a communication-forward approach. Students will learn more cultural practices and perspectives through units that include a variety of vocabulary focuses to aid students in conversational contexts to support their ability to provide opinions and thoughts, expand and explain, and compare and contrast. Students will continue to dive into learning and to be exposed to past tense. During this class, students will also be exposed to future and conditional verb tenses through stories, legends and articles that are read. By the end of Intermediate Spanish, the goal for students is to achieve an Intermediate Mid or High level of proficiency as described by ACTFL standards.

Course: Experienced Spanish and Advanced Spanish (Spanish 4 & 5)

Course Length: 1 Year

Prerequisite: Spanish 3/4

Students in their 4th and 5th years of learning Spanish will be combined for a hybrid class with a 2-year rotating curriculum. Students will learn Spanish through creating stories, reading legends, conversing in detail, and studying novels. The rotating curriculum will cover similar content with a fresh perspective and lens. Students will continue practicing the use of multiple time frames while adding in more conditional contexts (what would you do, what would you prefer, what if... etc). Students will have the opportunity to read more articles or legends that have more natural language. By the end of Experienced Spanish, the goal for students is to achieve an Intermediate High level of proficiency. By the end of Advanced Spanish, the goal for students is to achieve a proficiency level of Advanced Low. Students in Advanced Spanish will have had more exposure to more natural language; conditional, past, and future tenses; and will be expected to perform above an Experienced Spanish student.

MATHEMATICS DEPARTMENT

Course: Algebra 1

Course Length: 1 Year

Course Level: Freshman

Prerequisite: None (Students taking Algebra I will enroll in Physical Science.)

Algebra 1 provides a foundation for all math classes in high school and beyond. The skills learned will also be crucial for success in Chemistry and Physics. This course begins with a review of pre-algebra topics (fractions, negative numbers, Cartesian coordinates, etc). Next, the class will devote considerable time to solving single and multi-step equations. Another focus will be learning to navigate between equations, tables and graphs of linear functions. Other topics include: slope, FOIL, inequalities, absolute value, square roots, Pythagorean theorem, percents, area, functions, and an introduction to quadratics including factoring.

Course: Geometry or Honors Geometry

Course Length: 1 Year

Course Level: Freshman or Sophomore

Prerequisite: Freshmen may enroll in Honors Geometry (not regular Geometry) based on the results from Trinity's math placement exam. Sophomores enrolling in Honors Geometry must earn a 93% or higher both semesters in Algebra 1. Students taking Honors Geometry will enroll in Honors Biology.

Geometry at the most basic level is the study of points, lines and planes. Within this involves the study of triangles, quadrilaterals and other polygons as well as circles. In general, Geometry is a great study in deductive reasoning as the students discover, learn and use various postulates and theorems throughout the year. Through the use of proofs, the student is challenged to use the definitions, theorems and postulates to defend a geometric argument. Other topics include: parallel lines, triangle congruence, similarity, transformations, ratio and proportion, trigonometry, Pythagorean theorem, area, volume and surface area.

Course: Algebra 2 or Honors Algebra 2

Course Length: 1 Year

Course Level: Sophomore or above

Prerequisite: Geometry or Honors Geometry. Enrollment in Honors Algebra 2 requires a 93% or higher both semesters in Geometry or an 83% or higher both semesters in Honors Geometry. Students enrolled in Honors Algebra 2 will enroll in Honors Chemistry; students enrolled in Algebra 2 will enroll in Chemistry. Algebra 2 includes a thorough review of introductory algebra concepts covered in Algebra 1 and Geometry. The course then shifts to more advanced topics such as linear, quadratic, polynomial, exponential, logarithmic and rational equations; conic sections; and matrices. Students will be expected to sketch, rearrange and solve equations in each of the above forms.

This course develops the building blocks necessary for success in all college math courses.

Course: College Algebra

Course Length: 1 Year; 3 hours college credit through Newman University* (optional)

Course Level: Junior or Senior

Prerequisite: One of the following if taken for college credit: A grade of 73% or higher both semesters in Algebra 2 or an ACT math subtest score of 21 or higher is required.

College Algebra concludes the study of algebra at the high school level. This is a course required by most college degree programs. Class topics include: linear, quadratic, polynomial, exponential, logarithmic, and rational equations; conic sections; sequence and series; probability; and matrices. As in Algebra 2, students will be expected to sketch, rearrange and solve equations in each of the above forms. An added emphasis will be on real-world problem solving.

Course: Pre-Calculus

Course Length: 1 Year; 6 hours college credit through Newman University (3 hours for College Algebra and 3 hours for Trigonometry*) (optional)

Course Level: Sophomore or above

Prerequisite: A grade of 83% or higher both semesters in Honors Algebra 2 or completion of College Algebra. If not 3.0 GPA, teacher recommendation/approval required.

This course focuses on algebra and trigonometry. In the algebra section, students gain understanding of the relationship between functions and their graphs and enhance their skills solving and manipulating polynomial, rational, logarithmic and exponential functions. The second semester introduces and defines the six trigonometric functions and their graphical representations. Additionally, we will explore topics in analytic geometry and vectors.

***Note for Dual-Credit Courses:** Students must earn a C or higher in a dual credit course for the college credits to transfer.

Please refer to the English Sequence Flow Chart on page 7.

Course: Calculus

Course Length: 1 Year; 5 hours college credit through Newman University* (optional)

Course Level: Junior or Senior

Prerequisite: Pre-Calculus with a grade of 85% or higher and a cumulative grade point average of 3.0 or higher if taken for college credit

This course covers approximately one and a half semesters of college calculus. The class begins with an introduction to the idea of limits. Next, the tangent line problem is addressed leading to the concept of the derivative. A thorough investigation of the derivative including all major techniques and its application to velocity, acceleration and curve sketching will be explored. Additionally, all major integration techniques will be covered including applications for solving area and volume problems.

Course: Intro to Probability and Statistics

Course Length: 1 Year; 3 hours college credit through Newman University (optional)

Course Length: 1 year

Course Level: Senior

Prerequisite: Completion of College Algebra or Pre-Calculus

This course covers the three major parts of statistics. In descriptive statistics, various ways to describe data including both graphical and numerical are explored. The probability portion of the course explores both experimental and theoretical probabilities. Inferential statistics focuses on normal distributions and the effects of sample size. Then, the student will learn how to develop confidence intervals and test claims using hypothesis testing.

Please refer to the Math Sequence Flow Chart on page 16.

Note: All new students are required to take a math entrance exam for placement purposes.

***Note for Dual-Credit Courses:** Students must earn a C or higher in a dual credit course for the college credits to transfer.

SCIENCE DEPARTMENT

Course: Biology or Honors Biology

Course Length: 1 Year

Course Level: Freshman (Honors Biology), Sophomore (Biology). Honors Biology is only offered to freshmen enrolled in Honors Geometry.

Prerequisite: Honors Biology requires a grade of 93% or higher both semesters in 8th grade Science and an achievement test score in the 7th stanine or higher in reading comprehension

These courses are designed to introduce the formal study of the living portion of God's creation. Foundational principles and laboratory techniques are the focus of instruction. Topics include: Cellular biology, genetics, ecology, botany, taxonomy, zoology, anatomy and physiology, and creation vs. evolution.

Course: Physical Science

Course Length: 1 Year

Course Level: Freshman or Sophomore

Prerequisite: none (Students taking Algebra I will enroll in Physical Science)

This course is designed to strengthen the student's ability to make observations, collect data, interpret the data, and then form conclusions. It provides the student with a conceptual understanding of the world around them through the concepts of introductory physics and chemistry. This course helps prepare the student for additional science classes in high school. Concurrent enrollment in Algebra 1 is required.

Course: Chemistry or Honors Chemistry

Course Length: 1 Year

Course Level: Sophomore and above

Prerequisite: Sophomores may enroll in Honors Chemistry (not Chemistry) and must also be enrolled in or completed Honors Algebra 2. Juniors or Seniors may enroll in either class, but must also be enrolled or have completed Algebra 2 if enrolling in Chemistry; or must also be enrolled or have completed Honors Algebra 2 if enrolling in Honors Chemistry. Enrollment in Honors Chemistry requires a grade of 93% or higher both semesters in Biology, or 83% or higher both semesters in Honors Biology.

In these courses, students master the math skills required in science, atomic structure, the periodic table, nomenclature, equations writing, stoichiometry, bonding, molecular structure, and kinetic theory. Regular use of laboratory work will be used to enhance the learning experience.

Course: Physics

Course Length: 1 Year

Course Level: Junior or Senior

Prerequisite: To enroll in Physics, the student must also be enrolled in (or have completed) College Algebra or Pre-Calculus and have completed Chemistry with a grade of 83% or higher both semesters

This course provides the opportunity to study God's creation of fundamental laws through the principles and processes of the physical world. The course concentrates on classical Newtonian physics and conservation laws. Major course work includes the formal study of mechanics with an emphasis on kinematics and dynamics of one and two-dimensional motion. Concepts such as vector mathematics, velocity, acceleration, forces, Newton's laws, friction, work, power, energy, momentum, waves, sound and basic electricity are covered. Higher level thinking skills, cooperative learning and problem-solving skills are developed. Interpretation of experimental evidence and appropriate laboratory techniques are also covered.

Course: Honors Physics

Course Length: 1 Year

Course Level: Junior or Senior

Prerequisite: To enroll in Honors Physics, the student must have completed Honors Chemistry with 83% or higher both semesters or completed Chemistry with 93% both semesters and must have completed or be enrolled in Pre-Calculus, and have earned an 83% or higher both semesters in Honors Algebra 2

This is a more rigorous course than Physics with heavy emphasis on upper level math skills. This course provides the opportunity to study God's creation of fundamental laws through the principles and processes of the physical world. The course concentrates on classical Newtonian physics and conservation laws. Major course work includes the formal study of mechanics with an emphasis on kinematics and dynamics of one and two-dimensional motion. Concepts such as vector mathematics, speed, velocity, acceleration, forces, Newton's laws, friction, rotation, work, power, energy, momentum, harmonic motion, and basic electricity are covered. Higher level thinking skills, cooperative learning and problem-solving skills are developed. Interpretation of experimental evidence and appropriate laboratory techniques are also covered. This course differs from Physics in that it is intended to go much deeper into conceptual and mathematic problem solving. The course is designed for students who want to pursue a major that requires physics, such as pre-medicine, engineering, architecture, as well as other science related majors.

Course: AP Physics 2**Course Length: 1 Year****Course Level: Senior****Prerequisite: To enroll in Honors Physics 2, the student must have completed Physics with teacher approval or Honors Physics with 83% or higher both semesters**

This course provides additional opportunities to study God's creation of fundamental laws through the principles and processes of the physical world. The course continues the study of classical Newtonian physics and expands into concepts of modern physics. Major course work includes the formal study of thermodynamics, optics, electricity and magnetism, waves, and an introduction to modern physics. Higher level thinking skills, cooperative learning and problem-solving skills are enhanced. Interpretation of experimental evidence and appropriate laboratory techniques are utilized heavily. This course builds on the first year of Physics in that it is intended to go beyond the concepts of mechanics and delve into several other branches of physics not covered in the first-year course. The course is designed for students who want to pursue a major that requires two semesters of physics, such as pre-medicine, engineering, architecture, as well as other science related majors. This course mirrors the second semester of a typical college physics course, and all students take the AP Physics 2 exam.

Course: AP Biology**Course Length: 1 Year****Course Level: Junior or Senior****Prerequisite: Completion of Chemistry or Honors Chemistry**

AP Biology is designed to be on the same level as a college introductory biology class. It will include lab work, field work, and several research projects. Since the nature of the course is college prep, the tests and assignments will be more demanding than a normal high school course. The course covers the unifying themes of biology as laid out by the College Board which they refer to as the 'Big Ideas'. The students will be taught careful lab techniques, and how to investigate them and think critically about the topic at hand. The course is designed to enrich the student's understanding and appreciation of the glorious universe that God has created, which allows the student to use that understanding of how it all works together to further His kingdom and express His glory through their own lives. College credit may be earned through the AP exam in May, which is a required component of this course.

Course: General Laboratory Science**Course Length: 1 Year; 3 hours college credit through Newman University (Intro to Chemistry and Lab – CHEM 1003 and 1001- optional)****Course Level: Senior****Prerequisite: Completion of 3 years of high school science, including Biology and Chemistry. A cumulative 3.0 GPA is required to take the course for college credit and students must have had or be currently enrolled in College Algebra or Precalculus. Instructor approval required.**

This course is an introduction to general, organic, and bio-chemistry for those with no previous background in college level chemistry. This course is appropriate for those seeking to meet their general education requirement in physical science. This course is not designed for students who are considering a major in a science field. The laboratory portion of the course will emphasize basic laboratory techniques, measurement, observation, and analysis of data.

Course: Anatomy & Physiology**Course Length: 1 Year****Course Level: Junior or Senior****Prerequisite: Passing Grades in Biology and Chemistry**

This course is designed to introduce students to God's creation of the human body. Students will study the body's organization, chemistry, functions, and structures. Students will learn anatomical terminology, study cells and tissues, explore systems such as skeletal, muscular, circulatory, digestive, nervous, and reproductive systems. Note: Students will dissect mammals in this course.

Please refer to the Science Sequence Flow Chart on page 8.

SOCIAL SCIENCE AND HISTORY DEPARTMENT

Course: World History/Honors World History

Course Length: 1 Year

Course Level: Freshman

Prerequisite: Honors World History requires a grade of 93% or higher both semesters in 8th grade Social Studies/History and an achievement test score in the 7th stanine or higher in reading comprehension

These courses focus not only on the traditional study of various cultures and movements throughout history, but also on the study of God's hand in the history of the world. The focus is primarily on the emergence of the West and includes the history of Christianity. The Christian worldview informs the study of history, considering God's entry into the history of civilization in the person of Jesus Christ as the central unifying factor in history and observing God's guidance and judgment of the nations as it accords with scripture.

Course: US History 1/Honors US History 1

Course Length: 1 Year

Course Level: Sophomore

Prerequisite: Honors US History 1 requires a grade of 93% or higher both semesters in World History or a grade of 83% or higher both semesters in Honors World History

This course begins with the explorers who discovered the New World and emphasizes the Christian heritage of the United States. The focus is on individuals and movements that shaped the role that Christianity played in the formation of our education, government, art, religion, law and culture. The purpose of the course will be to present the outstanding people, places and events that shaped the formation, growth and prominence of the United States through 1877.

Course: US History 2/Honors US History

Course Length: 1 Year

Course Level: Junior

Prerequisite: Completion of US History 1. Honors US History 2 requires a grade of 93% or higher both semesters in US History 1 or a grade of 83% or higher both semesters in Honors US History 1.

Beginning with the post Civil War era, students receive extensive instruction through the lens of scripture on a variety of topics including: Immigration, Gilded Age politics, reform movements, the Populist Party, Spanish-American War, Expansionism, the Progressive movement, WWI, the Roaring 20's, the Great Depression, FDR's New Deal, WWII, the Korean War, the Cold War, JFK's New Frontier, the Vietnam Conflict, Reaganomics, the Gulf War, and the various presidential administrations to our current day.

Course: Government

Course Length: 1 Semester

Course Level: Senior

Prerequisite: None

Students in this course examine the structure and operation of the United States system of government. There is a keen focus on the role of biblical principles upon which our country was founded, how those principles have been compromised, and how they may be preserved. This course will foster patriotism and respect for our country and our freedoms. It will also encourage a thoughtful examination of the current challenges and threats to our freedoms and the benefits of a limited form of government.

Course: Cultural Geography

Course Length: 1 Semester

Course Level: Sophomore, Junior, or Senior

Prerequisite: None

This course will study the patterns of language, religion, population, migration, and economic activities of world cultures and help students understand how civilizations grow and develop in relation to their geography. Students will study the seven continents and the people who live on them so that they can better understand the different nations and their cultures.

Course: General Psychology

Course Length: 1 Semester; 3 hours college credit through Newman University (optional)

Course Level: Junior or Senior

Prerequisite: Cumulative grade point average of 3.0 or higher if taken for college credit

This course covers an overview of the brain (neuroscience), mental development and cognition. In addition, theories of personality and therapy will be covered during this course. Most importantly, our goals in the classroom are to pursue truth through our relationship with Christ and to develop a Christian perspective of psychological principles.

Course: Advanced Psychology

Course Length: 1 Semester

Course Level: Junior or Senior

Prerequisite: General Psychology

This course adds depth to the students' understanding of psychology by discussing diagnosis, best practices for treatment and personality theory through a biblical framework. Students focus on an in-depth knowledge of one area of specified interest in the field of psychology and the ability to critically evaluate the psychological/therapeutic efficacy of various helping ministries.

Please refer to the History Sequence Flow Chart on page 9.

NON-DEPARTMENTAL COURSES

Course: Physical Education/Health**Course Length: 1 Year****Course Level: Freshman - must be taken in the summer before freshman year, during freshman year, or the summer after freshman year****Prerequisite: None**

Physical Education centers on the concepts and play of team sports. Emphasis is placed on learning the skills, rules and strategies needed to play the sport. Sportsmanship and safety are also emphasized. In Health, students have the opportunity to gain knowledge and a Christian perspective on health issues facing today's teens. In addition, students gain an understanding of a balanced nutritional diet and the basics of first aid. This course is also offered for credit in the summer at an additional cost.

Course: Strength and Conditioning or**Advanced Strength and Conditioning****Course Length: 1 Semester or 1 Year****Course Level: Open to all students****Prerequisite: Physical Education/Health**

These courses are devoted to building the strength and aerobic condition of each participant. Students are involved in a variety of exercises including, but not limited to, weight training, aerobic exercise, calisthenics and stretching. Students will be challenged to improve their own individual performance in each of these areas. Students will receive 0.50 credit for each semester, and this course may be taken more than once.

Course: Study Hall**Course Length: 1 Semester or 1 Year****Course Level: Open to all students****Prerequisite: None**

A study hall is available for students who have a busy schedule or need extra study time during the day. This class is a non-credit class.

Course: Directed Studies**Course Length: 1 year, .5 credit****Course Level: Freshman or by administrative request****Prerequisite: Enrollment may be required by the administration for ninth grade**

This course is designed to help students make the transition to high school more productive. By identifying the learning style of each student as well as his areas of specialized intelligence, the instructor focuses on building organizational skills, project management, and study skills. Students will receive 0.25 credits for each semester. There is an additional fee for this course.

Course: Discovery Program**Course Length: 1 year****Course Level: Open to all students****Prerequisite: Diagnostic testing and recommendation by Student Support Services Director**

In this course, students with diagnosed learning differences receive individualized educational therapy utilizing the National Institute for Learning Development (NILD) model of intervention. The goal of the NILD program is to stimulate deficit areas of processing and cognition equipping the student to realize his God-given potential as an independent, active learner in the regular classroom. There is an additional fee for this course.

Course: Student Aide**Course Length: 1 Semester or 1 Year****Course Level: Senior**

Seniors may choose to serve as a student aide at the K-8 building as one of their 6 classes each semester. Students who choose this course must show a high level of maturity, be quick to take initiative and willing to assist K-8 teachers with needed tasks, such as setting up activities, helping to provide support for students during class, making copies, sorting supplies, etc. Students may receive 0.25 credit for each semester serving as a student aide.

Course: Leadership Work Study**Course Length: 1 Semester, .5 credit****Course Level: Senior**

Trinity encourages learning opportunities with area organizations and businesses. Students who would like to participate in a Work Study program should submit a written proposal to the Head of School that includes key performance objectives. Approval required. Student initiated.

