

2026-2027 High School *Course Catalog*

Engaging. Nurturing. Transforming.



**EASTERN CHRISTIAN
SCHOOL**

COURSE CATALOG

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EASTERN CHRISTIAN SCHOOL

Mission Statement

By providing an excellent academic curriculum, offering a variety of extra-curricular activities, and assembling a caring, culturally diverse community, we, with support of parents and local churches, empower students from Christian families to develop their gifts within the context of a Reformed Christian worldview so that they can act as Christ's transforming agents in a global society.

Core Values

In pursuing the character of Christ, we will...

Seek Truth

Serve Others

Embrace Community

Exhibit Compassion

Develop Responsibility

Strive for Excellence

Graduate Profile

Utilizing Biblically informed inquiry and strong academic knowledge, an Eastern Christian graduate thinks critically, exhibits curiosity, and develops the discernment that enables him/her to confidently and intentionally strive for excellence in every endeavor.

Having studied the message of Jesus Christ and having experienced models of Christian servanthood in community, the Eastern Christian graduate develops a healthy self-image. Recognizing and responding to the will of God, and seeing in humanity the image of God, the graduate embraces diversity, exhibits compassion, offers respect, and is forgiving and open to others.

The Eastern Christian graduate is prepared to be a person of Christian vision and influence and seeks to contribute cooperatively and responsibly to God's mission of renewing all of creation.

The purpose of this guide is to provide a comprehensive listing of the required and elective courses offered. Students, with the assistance of parents, teachers, and academic and college counselors should choose a program of courses that adequately prepare them to meet their future goals.

All students are required to complete basic coursework that prepares them to enter college, technical/vocational schools, or the workforce. Students with strong academic skills, a high interest in schoolwork, a willingness to take on demanding assignments, and who wish to apply to competitive college programs should choose a more challenging academic course load.

Graduation Requirements

A. To receive an ECHS diploma, a student must successfully complete a minimum of 135 academic credits and 2 Faith in Action credits.

B. Required Courses for an Eastern Christian High School Diploma

- 4 English courses
- 3 Social Studies courses
- 3 Mathematics courses
- 3 Laboratory Science courses
- 2 Physical Education/Health courses
- 1 World Language course
- 1 course of Visual Arts OR 2 courses of Music
- 1 Bible course is required each year of attendance
- 1 Financial Literacy course
- 50 Hours of Faith in Action

Grading Scale

Assignments, quizzes, tests, reports and projects are evaluated according to the following grading scale:

Grade	Percent	Grade Points
A+	96.5-100	4.00
A	92.5-96.49	4.00
A-	89.5-92.49	3.7
B+	86.5-89.49	3.3
B	82.5-86.49	3.00
B-	79.5-82.49	2.7
C+	76.5-79.49	2.3
C	72.5-76.49	2.00
C-	69.5-72.49	1.7
D+	66.5-69.49	1.3
D	64.5-66.49	1.00
F	Below 64.49	
I	Incomplete	

Honors and dual enrollment courses receive +0.5, and AP courses receive +1.0.

EASTERN CHRISTIAN HIGH SCHOOL

Four Day Rotation Schedule

Regular Bell Schedule	Rotation	Rotation	Rotation	Rotation
Time Block	"Day 1"	"Day 2"	"Day 3"	"Day 4"
8:00am – 8:55am	Period 1	Period 2	Period 3	Period 4
8:59am – 9:54am	Period 2	Period 3	Period 4	Period 1
9:58am – 10:53am	Period 3	Period 4	Period 1	Period 2
10:57am – 11:37am	SOAR (Chapel on Wednesday)			
11:37am – 12:07pm	Lunch			
12:07pm – 1:02pm	Period 5	Period 6	Period 7	Period 8
1:06pm – 2:01pm	Period 6	Period 7	Period 8	Period 5
2:05pm – 3:00pm	Period 7	Period 8	Period 5	Period 6

Notes:

1. Each class period is 55 minutes
2. Lunch period is 30 minutes
3. Passing time – 4 minutes

Choosing Wisely

1. Think carefully about your gifts, strengths, weaknesses, needs, and your long-term goals. You are planning for your future. Though being with your friends is desirable, don't let your social wishes take precedence over what's best for you academically.

2. Seek the advice of parents, teachers, and your academic and college counselor.

In the Academic and College Counseling Office, you can:

- a. Take career inventories which measure your strengths, weaknesses, personality, and interests. These inventories, in consultation with your academic and college counselor, can be used to assist you in selecting the career direction that would be most suitable for you.
- b. Find information about occupations and colleges. This often includes information about prerequisite courses or appropriate training programs to adequately prepare you for your desired career path. For example, nursing schools often require at least 4 courses in science (including biology and chemistry). Engineering schools may require chemistry, physics, and 4 courses in mathematics. Be sure to do your own research and consult with the academic and college counselor.

3. The Course Selection Form, used in cooperation with a counselor, helps you track and discover what courses you are required to take and what electives you may choose. As you browse this catalog, take note of which courses have prerequisites, or are offered only every other year. Consider a sequence of courses for several years in advance, and plan carefully.

4. Your education should stretch you in new ways so you can find out what gifts God has given you and where He may be leading you to serve Him. There is room in everyone's schedule to take courses beyond those that we require. We encourage students to take a full course load if possible.

5. To make course changes, you need permission from your academic and college counselor and an approval form signed by your parents. If a course is dropped within 10 days of the beginning of the school year, there will be no indication of the dropped course on the transcript. However, upon joining the new course you would be required to complete the work missed up to that point. A course dropped after 10 days would be indicated on your transcript as a withdrawal. A course dropped between two to five weeks may only be dropped to add a study hall and the transcript will show the dropped course. After five weeks, you may no longer drop a course.

6. If you fail a required course, you must repeat it during the next school year or retake the course through an accredited, ECHS-approved credit recovery program. Core graduation requirements should be completed before the start of the next academic year. Failures are recorded on the transcript and are reflected in the GPA.

Key

ODD YEAR or EVEN YEAR

Most courses are offered each year at ECHS. However, there are several that are only offered every other year. Courses offered during EVEN YEARS are available during the 2026-2027 school year. Courses offered on ODD YEARS are available during the 2027-2028 school year.

HALF CREDIT or FULL CREDIT

All courses are 5 credit courses, except those indicated as HALF CREDIT, which are 2.5 credit courses. Band, Choir, and String Orchestra are HALF CREDIT courses that meet during SOAR and earn 2.5 credits per year.

ADVANCED PLACEMENT (AP)

Advanced Placement (AP) courses are college-level classes offered through the College Board that provide students with the opportunity to engage in rigorous academic study while enrolled at Eastern Christian High School. Courses that have been approved by the College Board are labeled AP in the course catalog and are designed to mirror the content, pace, and expectations of introductory college coursework.

Students enrolled in AP courses earn high school credit from Eastern Christian High School and are required to take the corresponding Advanced Placement examination in May. The cost of the AP exam is the responsibility of the student and family. Colleges and universities may grant college credit, advanced placement, or both based on a student's performance on the AP exam, according to each institution's individual policies.

All students enrolled in an AP course are expected to sit for the AP exam. If a student does not take the required AP exam, the course will be re-coded as an honors-level course on the student's transcript rather than an AP course. Course expectations and grading standards remain consistent for all students enrolled in AP courses, regardless of exam score outcomes.

Participation in AP coursework prepares students for the academic demands of college while fostering critical thinking, analytical skills, and independent learning. Additional information about Advanced Placement courses and exams can be found on the College Board website at <https://ap.collegeboard.org>

Current Advanced Placement Courses

AP Biology	AP Statistics
AP Calculus AB	AP Studio Design 2D Portfolio
AP Computer Science Principles	AP U.S. Government and Politics
AP Economics	AP U.S. History
AP Language and Composition	

PROJECT ACCELERATION (PA)

Project Acceleration is a dual enrollment program with Seton Hall University which enables students to begin the challenge of taking college courses while in high school. Courses that have been approved are labeled PA in the course catalog. Students selecting these courses receive high school credit for the course from Eastern Christian High School and also have the option to receive college credit from Seton Hall University. Registration for the Seton Hall credits occurs during the first several weeks of the semester and requires a fee to be paid to Seton Hall University. The course expectations and requirements remain the same for all students regardless of whether or not they are seeking credit from Seton Hall University. The credit received from Seton Hall University is transferable to many colleges across the country according to each institution's individual policies.

Any grade earned is applied to both your Eastern Christian and Seton Hall transcripts. However, a "C" is generally considered to be the lowest passing grade for transfer purposes. Please be advised that when students apply to college, they must request a transcript directly from Seton Hall University in order for their Project Acceleration credits to be received and reviewed by the prospective college. More information is available at the Project Acceleration website. <https://www.shu.edu/project-acceleration/>

Current Project Acceleration Courses and Credit Value

Anatomy & Physiology (4 credits)	English 12 Honors (3 credits)
AP Calculus AB (4 credits)	Physics Honors (4 credits)
AP Language and Composition (3 credits)	US History 1 Honors (3 credits)
Chemistry Honors (3 credits)	US History 2 Honors (3 credits)
English 11 Honors (3 credits)	

NATIONAL HONOR SOCIETY (NHS)

In order to be eligible for membership in the National Honor Society, students must maintain a minimum cumulative GPA of 3.75. In addition, students must enroll and receive credit in at least two honors or advanced level courses in both their junior and senior years. Courses that are considered honors or advanced level are identified in the course catalog as NHS. In addition to the academic standards, students are evaluated in the areas of service, leadership, and Christian character. Students must have 35 hours of service logged by the beginning of their Junior year, and 45 hours of service logged by the beginning of their Senior year.

HONOR ROLL

At the end of each marking period, students who do consistently good work are listed on the school's honor roll. The requirements for honor roll status are as follows:

Honor Roll: A minimum of two As and the balance of grades Bs. No Cs, Ds, Fs or Incompletes

High Honor Roll: All As and no Incompletes

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Eligibility for Honors Courses & Appeal Process

Eastern Christian encourages students to take a mixture of College Prep, Honors, Dual Enrollment, and AP courses on a subject-by-subject basis based on the capabilities of the student and a desire to position students for academic success.

To be eligible for an Honors course, a student must be recommended by the instructor and have a minimum 93 average in the prior College Prep course or 83 average in the prior Honors course at the time of recommendation. Some courses may have additional requirements as indicated in the course description.

Current 9th, 10th, and 11th grade students who miss the prerequisite grade for an Honors course or who are not recommended by their teacher may choose to submit an appeal under the following conditions:

- The student finishes the prior College Prep course with a final grade of 90 or above
- The student finishes the prior Honors course with a final grade of 80 or above

Students may only submit one appeal per year. Appeals are reviewed by school administration.

HONORS ACADEMY

Cultivating academic excellence, service to others, and meaningful co-curricular involvement, the Eastern Christian School Honors Academy is designed to engage, motivate, and challenge our strongest and most ambitious students.

Applications are made available in the spring of 8th-grade, and occasionally 9th-grade, for all students who believe they may be a good fit for the Academy. Strong candidates typically earn mostly A's in their classes and score in the 90th percentile on a nationally normed assessment like MAP tests.

Once admitted, Academy students must maintain a minimum 3.75 cumulative grade point average, stay on track to complete at least 10 honors, AP, or dual enrollment courses during high school, and participate in at least one national or regional academic competition. Students also satisfy a minimum of 12.5 service hours per year, preferably with the same non-profit organization, and participate in two categorically different co-curricular activities each year (e.g. athletics and music). Academy students are expected to participate in all Leadership Lecture Series events, attend an annual retreat, maintain an academy journal, and meet regularly with the Honors Academy Advisor. Sophomore year, students support the middle school trip to Spruce Lake, and senior year, Academy students complete a capstone project.

Students form close relationships within their Academy cohort, navigate rigorous coursework, learn from industry leaders, and develop a solid resume in preparation for college. Students who successfully satisfy all expectations of Academy membership receive recognition at graduation and notation on their official transcript.

More information about the Honors Academy is available on our website:

www.easternchristian.org/honorsacademy

PATHWAYS AND COURSE SEQUENCES

In alignment with Eastern Christian School's mission to provide an excellent Christ-centered education that equips students to serve God in all areas of life, our high school curriculum offers a rigorous college preparatory program designed to challenge minds and nurture hearts. We seek to develop students who think critically, act justly, and lead with compassion in a rapidly changing world. What follows is a general framework for a student's coursework over four years at Eastern Christian High School.

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GRADE 9

- Biblical Foundations
- English 9 or English 9 CP or English 9 Honors
- World History CP or World History Honors
- Biology or Biology Honors
- Integrated Algebra and Geometry or Algebra I or Geometry/Geometry Honors
- World Languages 1
- Physical Education/Health 1
- Elective(s)

GRADE 11

- New Testament & Apologetics 2
- English 11 or English 11 CP or English 11 Honors
- United States History 2 CP or United States History 2 Honors or AP United States History
- Physics Principles or Physics CP or Physics Honors
- Principles of Geometry or Algebra 2/Algebra 2 Honors or Precalculus/Precalculus Honors
- Physical Education/Health 2
- Elective(s)

GRADE 10

- Old Testament & Apologetics 1
- English 10 or English 10 CP or English 10 Honors
- United States History 1 CP or United States History 1 Honors
- Chemistry Principles or Chemistry CP or Chemistry Honors
- Principles of Algebra or Geometry/Geometry Honors or Algebra 2/Algebra 2 Honors
- Financial Literacy
- Elective(s)

GRADE 12

- Christian Worldview & Cultural Engagement
- English 12 or English 12 CP or English 12 Honors
- Precalculus/Precalculus Honors or AP Calculus AB
- Elective(s)

Electives

- | | | |
|---------------------------------|-----------------------------|------------------------|
| Art 1 | Concert Choir | Painting |
| Advanced Topics in Technology | Creative Writing | Principles of Research |
| Anatomy & Physiology | Criminal Justice | Printing & Design |
| AP Biology | Culinary Arts | Psychology |
| AP Calculus AB | Design Technology | Public Speaking |
| AP Computer Science Principles | Drawing | Publishing |
| AP Economics | Entrepreneurship | Robotics |
| AP Language and Composition | Entrepreneurship 2 | Sculpture |
| AP Statistics | Essay Workshop | Spanish 1-4 |
| AP Studio Design 2D Portfolio | Foundational Writing | Statistics |
| AP U.S. Government and Politics | Genocide & Human Behavior | STEM Research Capstone |
| Ceramics | Graphic Design | String Orchestra |
| Civics | Honors Choir | Study Hall |
| Chapel Arts | International Relations | Video Production |
| Computer Coding | Journalism & Communications | Web & App Development |
| Concert Band | Korean 1-2 | WINGS |

Course Descriptions

ARTS – VISUAL ARTS AND MUSIC

Art 1 is a prerequisite for all subsequent visual arts courses unless otherwise defined

Visual Arts

The study of visual arts promotes and encourages a thoughtful and aesthetic response to God's revelation of Himself and His purposes in creation. We welcome and encourage artists at any level to grow in their understanding and skill set while making connections to observation of life as well as developing 'out of the box' thinking.

Students learn how to process critical thinking and use visual communication more intentionally. Students create engaging content in order to connect emotionally with the audience and influence their behavior. Likewise, as a school we actively provide opportunities for students to strive for excellence through presenting work both within and outside of our halls through various prestigious competitions.

ART 1

Students in this course explore foundations in art and design with the techniques of drawing, ceramics, painting, design, sculpture, printmaking, emerging digital art making practices, as well as 3D modeling and 3D printing on an introductory level. As the course progresses, students are given slightly more advanced projects that deal with conceptual and compositional issues. Based on the foundation in art and design, students develop presentation skills to communicate their art works. This gives them power and ownership over their creations. Students also create and display a collaborative, monumental, sculptural work to serve the school community. In addition to creating art, students analyze art styles and related art history, as well as engage with emerging digital based drafting tools. Students learn how to engage in art criticism and discussion. Students are required to do weekly sketchbook assignments. Some research is required.

CERAMICS

This course includes the study of building clay vessels using the three hand-building techniques of pinch, coil, and slab, as well as 'throwing' pots on the pottery wheel. Techniques and methods of producing sculpture from clay and other materials are explored. Intro to the chemistry of glazes is included. Some research is required including the history of ceramics and its multicultural impact. A field trip to a local pottery studio is included with the possibility of an additional museum visit.

VIDEO PRODUCTION

With the myriad of streaming services, social media, and advertising, content is pushed at us every day. How do we both create and consume this content as Christians? This class teaches professional practices in video shooting, editing, and producing. Students study multiple considerations that go into every shot of a video to create professional-looking films that are entered into local and state-wide film competitions. Students also learn film analysis, media literacy, and advertising persuasive techniques to increase their ability to wisely consume content. Open to sophomores, juniors, and seniors.

PHOTOGRAPHY

Photography is a specialized course that provides interested students with insights and experiences in photographic composition, cameras, creative problem solving skills, and the ability to exercise critical judgments. Students learn elements of design, proper use of technology and equipment, and the creative application of the photographic process. Open to juniors and seniors.

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PAINTING

Painting includes an exciting exploration of acrylic, oil, and watercolor. Emerging digital art making practices are introduced as well. Students are allowed to choose their favorite medium and take it to its fullest potential. Realism, abstraction, pop art and many more movements are covered as students study the masters of antiquity as well as contemporary and emerging artists. Projects and critiques are placed within the context of art history. Students are involved in at least one large-scale or collaborative project. When opportunity arises, we are involved in public murals and set design for EC's theatrical productions. No matter the skill level, growth is assured as all students are welcome in reflecting the creative nature of our Creator.

DRAWING

Drawing encourages creative growth, expression, and observation through an exploration of both traditional and contemporary practices. Students refine skills in drawing from life with realistic portraiture, still life, and anatomy studies, while adding drawings from imagination to their portfolios. Various mediums include pencil, charcoal, pen and ink, pastels, and digital-based drafting tools. Emphasis is placed on shading, composition, highlighting, subtleties of tones, texture, positive-negative space observations, and individual and collaborative projects. No matter the skill level, growth is assured as all students are welcome in reflecting the creative nature of our Creator.

SCULPTURE (EVEN YEARS)

This course studies sculpture-in-the-round and relief sculpture, focusing on mass, weight, and balance. Students explore various styles and projects in three-dimensional art, covering realism, abstraction, and geometric form in both small and large-scale. Media explored are wood, clay, cardboard, paper, paper maché, found objects, as well as 3D modeling and 3D printing, etc. Students engage in art criticism and reflection, connecting projects to art movements. Students make an artistic impact in the school's community, as the class works on a collaborative project serving the school's mission.

PRINTING & DESIGN (ODD YEARS)

Handmade, mechanical and digital production have brought images all around us. Printmaking involves creating original works of art that exist as multiples in a set called an edition. Students enrich their understanding of the elements and principles of design through an introduction to various printmaking techniques including woodblock, linoleum, silkscreen, spray paint stenciling and mono-printing methods. We move from single color to multi-color dynamic designs that can be applied to an artistic print series, bookmaking, clothing, textiles, and other exciting functional items such as T-Shirt designs. Some research is required. Basic Photoshop tools and techniques are covered to enhance designs. Students attend a field trip to an established printmaker, artist or gallery.

GRAPHIC DESIGN

Using the industry standard tools of Adobe Creative Suite such as Illustrator, Photoshop, and After Effects (as well as online equivalents of those programs), students create dynamic visual materials. Students learn layout skills and acquire the ability to combine visual elements with text information to use creativity not only to design but to also catch the public's attention (posters, t-shirts, flyers, logos, branding campaigns, photo books). Students explore discernment between what the world values and what we as Christians should value and communicate. The course includes current and professional programs and practices.

AP STUDIO DESIGN 2D PORTFOLIO - NHS

Prerequisites: B+ in Art 1 and B+ in either Painting or Drawing

AP Studio Design 2D Portfolio is a college-level course officially endorsed by the College Board that provides students the opportunity to further develop their artistic voice through advanced two-dimensional design and composition. This course replaces Advanced Portfolio and is intended for students who are prepared to take their artmaking to a professional and highly focused level.

Students create a cohesive body of work that demonstrates investigation, experimentation, and mastery of materials, processes, and ideas within a chosen theme or inquiry. The curriculum follows the College Board's AP 2D Art and Design Portfolio requirements, emphasizing both Sustained Investigation and Selected Works.

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Students use a variety of traditional and digital media, exploring techniques in drawing, painting, mixed media, photography, and digital design.

In addition to producing a portfolio suitable for college submission, students develop skills in critical analysis, self-assessment, and presentation, both in physical and online formats. The course also includes collaborative projects, opportunities for public exhibition, and at least one field trip that supports the development of artistic insight.

By the end of the course, students have assembled a portfolio that reflects their technical ability, conceptual depth, and personal artistic vision—ready for submission to the AP 2D Art and Design Exam. Students are responsible for the additional cost of the AP portfolio submission fee.

Music

Music is viewed as a God-given gift to humanity. Music education strives to build skills that steward this gift for God's glory. Music courses are year-long electives and may be taken more than once to fulfill the Arts credit requirement.

CONCERT BAND (HALF CREDIT)

Concert Band is an instrumental ensemble which includes woodwinds, brass, and percussion instruments. A minimum of two years of playing experience on a band instrument and proficiency in note reading is required. Membership is based on consistent practice, attitude of service, and commitment to pursue excellence. This course challenges students as musicians. Students are expected to participate in community events, as well as school concerts where attendance is mandatory. Concert Band meets during SOAR four days per week.

CONCERT CHOIR (HALF CREDIT)

Concert Choir is a large, non-auditioned ensemble for freshmen through seniors. The Concert Choir studies, rehearses, and performs choral music of different languages and cultures ranging from Gregorian chant to contemporary composers, from sacred choral works to Broadway music. In addition to fall and spring concerts, the Concert Choir occasionally participates in Chapel. The Concert Choir meets during SOAR four days per week.

STRING ORCHESTRA (HALF CREDIT)

String Orchestra concentrates on music in the string literature (violin, viola, cello, bass) as well as string arrangements of full orchestra repertoire from Baroque to present. A minimum of two years playing experience on a string instrument and proficiency in note reading is required. Opportunity is provided for performance outside of school and for participation in Regional and All-State Orchestra auditions. This course challenges participants as students and musicians. Students are expected to participate in community events, as well as school concerts where attendance is mandatory. String Orchestra meets during SOAR four days per week.

HONORS CHOIR

Eastern Christian Honors Choir is a select, audition-based vocal ensemble. Honors Choir members must also participate in Concert Choir. The Honors Choir seeks to nurture and train students in the art and practice of small ensemble singing. Honors Choir members study music theory, sight-singing, and ear training, and complete presentations on composers and performers. Members also study music in other languages, a capella pieces, sacred, contemporary, classical music, and Broadway show tunes. The group focuses on proper vocal technique, breath control, syncopation, intonation, and rhythm for dynamic small group ensemble singing. Members are evaluated based on their active participation in rehearsal and performance, rehearsal etiquette, and their ability to read, write, and evaluate music.

The Honors Choir is an active ensemble in the community. In addition to two formal concerts at school, the group performs at several other venues throughout the year; this includes some nights, weekends, and rare

Sunday services. The group also goes on tour every other year. Membership requires a time investment and commitment to participate in the performances. The Honors Choir meets during a regular academic period, not during SOAR.

Biblical Theology

Each course leads students to search for and comprehend key theological ideas that are revealed in a given section of Scripture. Emphasis is placed on inductive reasoning and the use of sound principles of Reformed Bible interpretation.

INTRODUCTORY BIBLE

Introductory Bible is designed for high school students who are new to the school and need foundational preparation before entering the regular Bible class sequence. Placement in this course is determined by a Bible competency/literacy assessment administered to incoming freshmen, sophomores, and juniors who did not matriculate from the school's middle school program.

This course provides an overview of foundational Bible knowledge through a comprehensive survey of the Old and New Testaments. Students explore key events, figures, and themes of Scripture, gaining an understanding of the overarching narrative of God's plan for redemption. The course also introduces students to essential Christian doctrines, spiritual practices, and principles of Christian living to help them integrate biblical truths into their daily lives.

By the end of the course, students have a solid understanding of biblical literacy and basic Christian beliefs, equipping them to successfully transition into the school's Bible class sequence.

BIBLICAL FOUNDATIONS (GRADE 9)

Students begin their journey with Foundations, a course that explores the nature and authority of the Bible, the overarching biblical narrative, and the core tenets of Christian belief. Designed specifically for today's students, this course provides a strong theological base and helps students understand how the story of Scripture shapes both personal faith and life in community.

OLD TESTAMENT & APOLOGETICS I (GRADE 10)

In sophomore year, students spend the first semester in a survey of the Old Testament, gaining insight into its historical, theological, and literary richness. In the second semester, they study apologetics, learning how to defend and commend the Christian faith in response to common objections - while drawing direct connections to themes and truths found in the Old Testament.

NEW TESTAMENT & APOLOGETICS II (GRADE 11)

Juniors continue with a survey of the New Testament in the first semester, followed by a second semester of apologetics. This year's apologetics content complements the New Testament focus, engaging cultural and philosophical challenges to Christianity and showing how the gospel continues to speak with clarity, grace, and truth today.

CHRISTIAN WORLDVIEW & CULTURAL ENGAGEMENT (GRADE 12)

In their final year, students explore how the Christian worldview offers thoughtful, compassionate, and biblically rooted responses to some of the most challenging and controversial issues of our time. Emphasizing faithful presence and redemptive engagement, this capstone course equips students to live out their faith in diverse contexts with confidence and humility.

A culminating Capstone Project challenges seniors to synthesize what they've learned across all four years - demonstrating their understanding of Scripture, their personal convictions, and their readiness to live out a vibrant Christian witness in today's world.

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CHAPEL ARTS

Prerequisite: *Approved application.*

Students grow as followers of Christ, as spiritual leaders, and as thoughtful worship planners. Students are responsible for completing coursework in addition to their work as members of a chapel planning team. Course content includes a survey of Bible passages about the character of God and principles of worship. In class discussion, we seek to apply Biblical understandings of worship in our modern context. A culminating church project involves a visit to an unfamiliar church and reflections on what can be appreciated from the congregation's worship. Open to juniors and seniors.

Business, Technology, and Practical Arts

Business, Technology, and Practical Arts courses are committed to glorifying God and learning about His world through the study of applied science, math, and technical training.

FINANCIAL LITERACY

This course is designed to teach students the foundations of personal financial literacy. Students learn skills, resource availability, and strategies that promote financial responsibility in areas of financial planning, savings, investments, and stewardship. Students also engage in analysis of economics, long-term financial planning, college and career selection, and civic financial responsibility (including risk management, asset management, and insurance). Students learn skills that are critical to creating financial health in the 21st-century global economy and understanding God's word regarding money management. Open to sophomores, juniors, and seniors.

ENTREPRENEURSHIP

This course introduces students to the world of business. Topics covered include types of business ownership, marketing, accounting, human resources, management, finance, ethics, and economics. These concepts are presented through classroom discussion and project-based learning. Students considering business careers or college studies are encouraged to take this course. Open to sophomores, juniors, and seniors.

ENTREPRENEURSHIP 2

Prerequisite: *Successful completion of Entrepreneurship*

Entrepreneurship 2 is an advanced, project-based course designed for students who have successfully completed the introductory Entrepreneurship class. This course takes students deeper into the process of planning, launching, and managing a new business venture. Students explore advanced concepts in business strategy, marketing, finance, operations, and decision-making while analyzing the real-life challenges entrepreneurs face in today's dynamic marketplace.

The course combines rigorous classroom instruction with practical, hands-on experience as students collaborate to develop, launch, and actively operate a student-led business within the school. Through this immersive experience, students gain insight into the entrepreneurial process, apply critical problem-solving and leadership skills, and learn to adapt to the challenges of running a business.

By the end of the course, students have developed a deeper understanding of entrepreneurial thinking, honed their leadership and collaboration skills, and gained practical experience that prepares them for future studies in business, careers in entrepreneurship, or the pursuit of their own ventures. Open to grades 11 and 12.

AP ECONOMICS (MICRO & MACRO) - NHS

Prerequisite: *B+ in Algebra 2 Honors, placement in an Honors English or Honors History course and with permission of the instructor*

Advanced Placement Economics is a year-long, college-level course with two separate AP Exams: Microeconomics and Macroeconomics. AP Microeconomics is taught during the first semester and provides

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students with a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within an economic system. Primary emphasis is on the functions of product markets and includes the study of the role the government has in promoting greater efficiency and equity in the economy. AP Macroeconomics is taught during the second semester and provides students with a thorough understanding of the principles of economics that apply to an economic system as a whole. Particular emphasis is placed on the study of national income, price-level determination, and economic performance measures. Open to juniors and seniors.

Students are required to take the Advanced Placement Macroeconomics, Microeconomics (or both) Examination(s) in May.

COMPUTER CODING

This course introduces students to the powerful Python language used by programming professionals and universities every day. This course focuses on problem solving using logical and systematic planning. Students work within the CodeHS platform to learn through personalized progressions of content, and develop their own complex programs and games to share with others. Students better understand God's creative work by applying their creativity, critical thinking, and communication.

AP COMPUTER SCIENCE PRINCIPLES - NHS

Prerequisite: Completion of Algebra I with a strong understanding of linear functions and problem-solving strategies. Prior completion of Computer Coding is highly recommended but not required. Placement is determined by the math and technology department.

AP Computer Science Principles is a college-level course officially endorsed by the College Board that introduces students to the foundational concepts of computer science and the impact of computing and technology on our world. With an emphasis on creative problem solving, collaboration, and real-world applications, this course encourages students to see how computer science influences innovation across multiple fields.

Using the CodeHS AP Computer Science Principles curriculum, students explore key topics such as algorithms, data analysis, the internet, cybersecurity, and the global effects of computing. Through engaging, hands-on projects, students design and develop digital artifacts that reflect their creativity and personal interests. The course fosters computational thinking and allows students to apply the power of computing to solve problems and express ideas in new ways.

Students also consider the ethical, social, and cultural implications of computing as they gain insight into how technology shapes modern life. By the end of the course, students are prepared to take the AP Computer Science Principles Exam and have developed a strong foundation for future study in computer science or related disciplines.

WEB & APP DEVELOPMENT

This course introduces the four major components of the mobile and web technology fields: web page design through the HTML and CSS languages, social media tools and strategies for companies, website automation using Content Management Systems, and mobile app development. Students work within the CodeHS platform to learn through personalized progressions of content, and plan and develop a website. Integrating biblical literacy and communication, students develop their communication skills to plan how and what they choose to communicate to the world.

DESIGN TECHNOLOGY

This course introduces computer-aided design (CAD), rapid prototyping and 3D printing, and construction projects using power tools. Projects include 3D modeling, architectural design studies, set building for the school dramas (along with an introduction to theatre tech), and many architectural and engineering scenarios. Through it all, we investigate God's purpose and design of creation, and how His creative work

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is emulated through man's plans and engineering advancements. Students work on computer-based and hands-on projects, taking into consideration 21st century workplace goals such as creativity, collaboration, critical thinking and communication. Open to sophomores, juniors, and seniors.

ROBOTICS

Students develop skills in mechanical design and construction as they work in teams to build simple and complex robotic devices. They explore the use of robotics in modern business and industry and examine how robotic devices are affecting and shaping culture. Students apply concepts learned in Physical Science and Physics courses to mechanical devices. Students do not need to be involved in the EC Robotics Club to take this class.

ADVANCED TOPICS IN TECHNOLOGY

Prerequisite: B+ in the technology course of the intended topic of study and teacher approval.

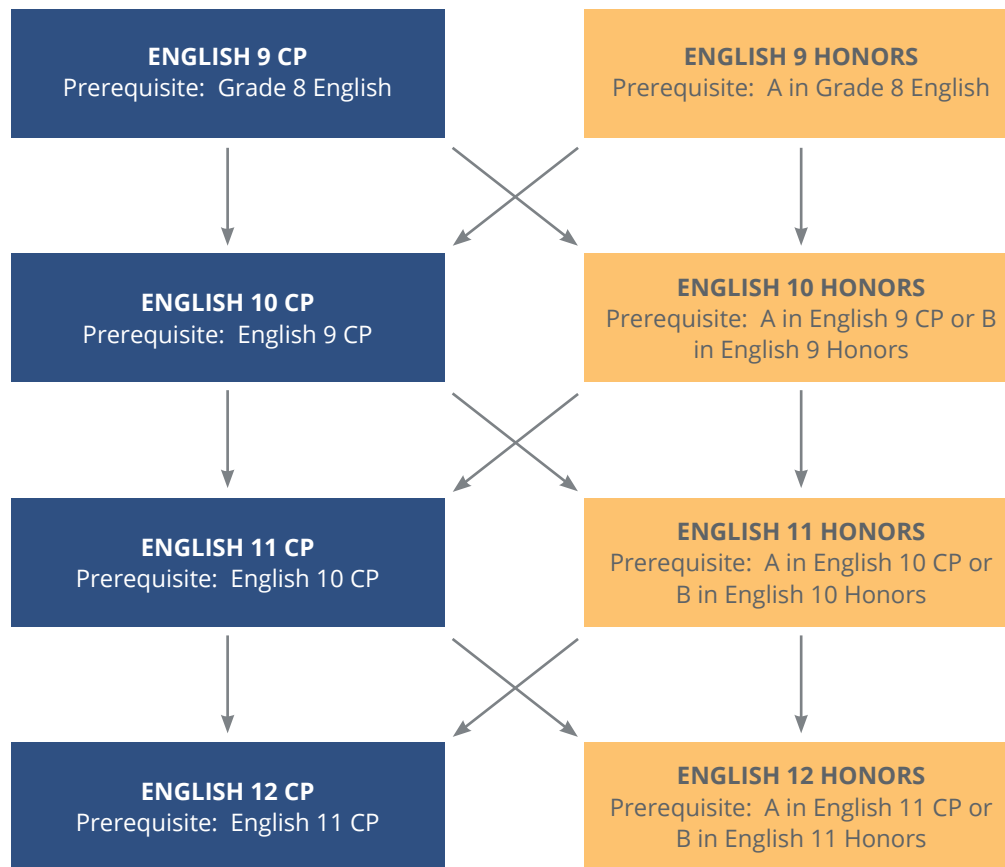
Advanced Topics in Technology allows students to take their knowledge to the next level by providing opportunities to design individual projects in coding, video production, 3D printing, app development, robotics and more. Opportunities are limited only by student creativity and skill. Interested students are asked to propose a topic of study; examples and more information are available from technology teachers.

CULINARY ARTS

With hands-on culinary instruction, this elective introduces students to a range of food options while empowering them with the skills to create, design, and prepare delicious meals. This class uses a teaching kitchen concept that offers regular guided hands-on instruction covering a range of cooking skills including knife skills, mise en place, food preparation, baking, and heat application. Open to sophomores, juniors, and seniors.

Placement Criteria - English

In addition to the grade requirements listed below, teacher recommendation is required for course placements.



ENGLISH

The English curriculum is designed to encourage our students to see themselves as literate, articulate, and creative individuals designed by God to appreciate, enjoy, and transform our world through written communication.

Core English

ENGLISH 9 / ENGLISH 9 CP

Prerequisite: *Grade 8 English*

This is a study of the cultural worldviews through various genres of literature: mythology, short story, poetry, drama, and novel. The course begins with the literature of Ancient Greece and continues through to the modern day. Instruction in vocabulary, literary devices, oral presentation, and essay development are also included in the curriculum. Major texts include *The Odyssey*, *Romeo and Juliet*, and *The House on Mango Street*.

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ENGLISH 9 HONORS

Prerequisite: A in Grade 8 English

This course covers the worldviews and literature of Ancient Greece through the Renaissance. Advanced reading and writing skills are emphasized. Texts include *The Odyssey*, *Oedipus and Antigone*, *Poetics*, *Beowulf*, *Canterbury Tales*, *Dante's Inferno*, and *Romeo and Juliet*. Students also complete a research paper in which they independently study a text from the time periods covered in class.

ENGLISH 10 / ENGLISH 10 CP

Prerequisite: English 9 / English 9 CP

This course studies British Literature, beginning in the Renaissance era and culminating in the early 20th Century. A variety of poetry, dramas, essays, and novels are incorporated into the study of vocabulary, literary devices, oral presentations, and writing skills. Texts include *The Tragedy of Macbeth*, *A Modest Proposal and Satire*, Romantic poetry, *A Christmas Carol*, and *Animal Farm*.

ENGLISH 10 HONORS

Prerequisite: A in English 9 CP or B in English 9 Honors

This interdisciplinary course completes a two-year English Honors sequence. The course covers literature, culture, and politics of the Renaissance to the early 20th Century. This course has an emphasis on vocabulary through the study of Greek and Latin roots. Texts include *Crime and Punishment*, *Hamlet*, *A Modest Proposal*, Romantic poetry, *Les Miserables*, and *A Doll's House*. Students also complete a research paper in which they independently study a text from the time periods covered in class.

ENGLISH 11 / ENGLISH 11 CP

Prerequisite: English 10 / English 10 CP

This course is a survey of American Literature with a concentration on major authors and poets from the 17th to the 20th century. This course emphasizes vocabulary through the study of Greek and Latin roots. The course also emphasizes analytical writing, culminating in a literary research paper in which students closely analyze two plays by either Arthur Miller, Tennessee Williams, Thornton Wilder, or August Wilson. A passing grade on the research paper is a graduation requirement. Texts include Puritan poetry, *The Scarlet Letter*, the poetry of Whitman and Dickinson, *The Great Gatsby*, short stories and poems from Edgar Allan Poe, and *The Crucible*.

ENGLISH 11 HONORS - PA, NHS

Prerequisite: A in English 10 CP or B in English 10 Honors

The course is a survey of American literature and culture from the 17th to the 19th century. Texts include *Uncle Tom's Cabin*, *The Jungle*, poetry by Walt Whitman and Emily Dickinson, *The Scarlet Letter*, stories and poetry from Edgar Allan Poe, and short stories from the Naturalism and Progressivism literary time period, including texts from Jack London, Stephen Crane, Kate Chopin, Charlotte Perkins Gilman and others. This course has an emphasis on vocabulary through the study of Greek and Latin roots. Students also complete an extended research project in which they independently study a text published during the Civil War era. A passing grade on the research paper is a graduation requirement.

ENGLISH 12 / ENGLISH 12 CP

Prerequisite: English 11 / English 11 CP

This course examines a survey of major authors, themes, and literary movements to explore how writers from a variety of cultural traditions express their worldviews through literature. Students write a research paper on either two major dystopian novels from the 20th century, or two novels that explore race and identity. Students also write an essay in which they reflect on their own worldview. A passing grade on the research paper and the worldview essay are graduation requirements. Texts include: *The Tragedy of Hamlet*, *Things Fall Apart*, selected short stories and poems, *Their Eyes Were Watching God*, and *The Joy Luck Club*.

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ENGLISH 12 HONORS - PA, NHS

Prerequisite: A in English 11 CP or B in English 11 Honors

This course explores literature, culture, and history from 1900 to the present with a focus on modernism, postmodernism, and contemporary literature. During the course, students write multiple literary analysis essays while also developing an extended research project in which they study, write, and present a thesis on a chosen novel, collection of poetry, or collection of stories from the 20th century. Students also write an essay in which they reflect on their own worldview. A passing grade on the research paper and the worldview essay are graduation requirements. Students study works from James Joyce, Ernest Hemingway, Virginia Woolf, John Steinbeck, F. Scott Fitzgerald, Shirley Jackson, Tim O'Brien, and others.

English Electives

FOUNDATIONAL WRITING

This course is designed for students who are working on their basic writing skills. Students learn the stages of the writing process: how to brainstorm, how to create a topic sentence, how to support and organize ideas, and how to write clear, error-free sentences. Starting with basic paragraphing, students work toward writing longer essays. Narration, description, persuasion, and other forms of exposition are explored. Proper MLA Format is taught and practiced.

ESSAY WORKSHOP

An initial review of the writing process is followed by the systematic practice of the major types of expository writing. Essays are based on a variety of topics. Attention is given to grammatical usage and stylistic development. Proper MLA format is practiced.

AP LANGUAGE AND COMPOSITION - PA, NHS

Prerequisite: A in preceding honors English course

AP English Language and Composition is a college-level course officially endorsed by the College Board that replaces Advanced Composition. This course focuses on the study and practice of rhetoric - the art of effective reading, writing, and communication. Students learn to analyze complex texts from a wide range of disciplines and historical periods, evaluating how authors use language to inform, persuade, and inspire.

The course emphasizes argumentation, synthesis, and rhetorical analysis, guiding students in crafting well-reasoned essays supported by evidence. Students engage in frequent writing assignments that mirror the expectations of a first-year college composition course, including personal, analytical, and research-based essays. Emphasis is placed on developing clarity, precision, and sophistication in both writing and speech.

Students also practice critical reading and discussion skills, examine current issues through nonfiction works, and refine their command of grammar, style, and structure. Regular timed writings and peer reviews prepare students for the AP English Language and Composition Exam in May. Open to juniors and seniors.

JOURNALISM & COMMUNICATIONS

This class focuses on the practice of gathering, processing and delivering news that prepares individuals to be professional journalists. Includes instruction in interviewing, news writing and editing; investigative reporting, photojournalism; layout and graphic design; journalism law; and professional standards and ethics. The class also provides a foundational understanding of communication arts, a popular college major, introducing mass communication theory, media writing and the consequences and effects of mass media on individuals and societies. An important part of this class is writing and publishing the EC Times, the school's student newspaper. Open to sophomores, juniors, and seniors.

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PUBLISHING

In this course, students manage a \$30,000 yearbook project. By focusing on the creation, publication, and distribution of print books and other editorial products, the course prepares individuals to manage the editorial, technical, and business aspects of publishing operations. Includes instruction in product planning and design, editing, deadline management, business and copyright law, publishing industry operations, product marketing, history of publishing, and professional standards and ethics. Open to juniors and seniors.

PUBLIC SPEAKING (ODD YEARS)

This course provides a study in organizing and presenting speeches. Students develop and present various speeches including informative, demonstrative, and persuasive. Emphasis is on increasing confidence, developing effective speaking, and practicing listening skills.

CREATIVE WRITING (EVEN YEARS)

This course is a portfolio workshop in which students produce various texts through the study of reading samples and peer critiques. Genre focuses include short story, poetry, screenwriting, and personal essay. Students retain and revise works to select the most appropriate material for potential publication.

English as a Second Language (ESL)

ESL

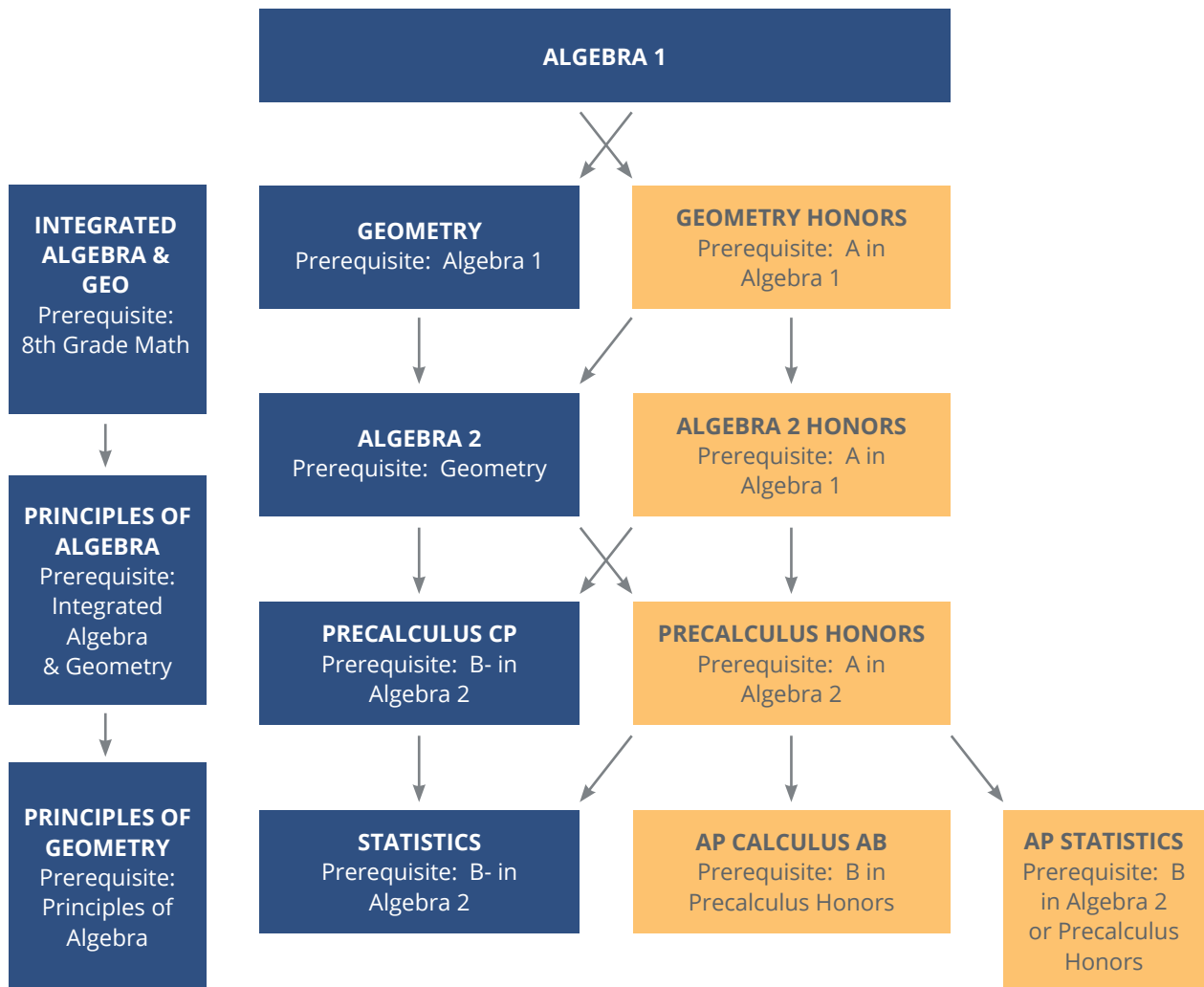
This course is for English Language Learners to practice skills in all four modes—reading, writing, speaking, and listening—that are essential for success in high school and beyond. Using authentic texts, students practice reading comprehension, increase reading fluency, enhance vocabulary, practice grammatical skills, and learn the basics of literary analysis. By participating in a wide range of activities, students are also introduced to different teaching methods that are common in American classrooms. Placement is determined by testing.

WRITING WORKSHOP ESL

This course is for English Language Learners who need to develop solid writing skills through increased practice. Emphasis is on using proper grammar, crafting clear sentences, developing unified paragraphs, and writing full essays in a number of forms including expository, narrative, and description. Placement is determined by testing.

Placement Criteria - Math

In addition to the grade requirements listed below, teacher recommendation is required for course placements.



Mathematics

A TI-34 Multiview Scientific Calculator is required for all math courses at Eastern Christian. This is the only acceptable calculator.

Mathematics, which is a study of order and pattern, allows us to more clearly see God's consistency in creation. Our world, its structure, and laws show these same unchanging patterns and order, thus proclaiming the divine nature of creation. Most colleges require three years of math for admission, and four years are recommended for students whose vocational choices demand proficiency in math.

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INTEGRATED ALGEBRA AND GEOMETRY

Through differentiated instruction that emphasizes daily review, students strengthen skills needed for Principles of Algebra and Principles of Geometry. Students learn problem solving, integer operations, equations, factors and multiples, fraction/decimal/percent conversions, mixed numbers, probability, rates, ratios, geometric figures, area, and perimeter.

PRINCIPLES OF ALGEBRA

Prerequisite: Integrated Algebra and Geometry

Principles of Algebra is a foundational mathematics course designed to support students who benefit from a slower-paced, highly structured approach to algebraic learning. This course serves as an alternative to Algebra 1 for students who have previously completed Integrated Algebra and Geometry. It emphasizes building confidence, mastery, and problem-solving skills through differentiated instruction and extensive guided practice.

Students develop a strong understanding of core algebraic principles, including variables and expressions, linear equations and inequalities, graphing, functions, ratios, proportions, exponents, and polynomials. Emphasis is placed on real-world applications and on helping students make connections between algebra and geometry to strengthen mathematical reasoning. Differentiated instruction and visual models are used throughout the course to enhance conceptual understanding and engagement.

By the end of this course, students have established a solid foundation in algebraic thinking, preparing them for success in future math courses.

ALGEBRA 1

Algebra 1 is designed to equip students with the necessary skills to solve problems algebraically. Students learn to manipulate algebraic expressions, solve linear equations and inequalities, and graph equations on the coordinate plane. Students gain an understanding of concepts such as communication, balance, growth, patterns, relationships, and comparisons. Students learn linear equations, inequalities, systems of equations, polynomials, factoring, square roots, and quadratic and exponential functions. Algebra 1 aims to provide a solid mathematical foundation for future coursework, fostering skills essential for understanding more advanced concepts in Geometry, Algebra 2, and beyond.

PRINCIPLES OF GEOMETRY

Prerequisite: Principles of Algebra

The main elements of plane geometry are covered using a non-proof approach. Students explore angles, triangles, congruent relationships, parallel lines, polygons, coordinate geometry, trigonometric ratios, and geometric solids. This course is an alternative option for students who are challenged by the demands of a college preparatory Geometry curriculum.

GEOMETRY

Prerequisite: Algebra 1

This course develops students' understanding of Euclidean geometry through an emphasis on deductive reasoning and mathematical proofs. Students explore fundamental geometric concepts including angles, triangles, congruence, parallel and perpendicular lines, polygons, and introductory trigonometric relationships. Throughout the course, students strengthen their logical reasoning, problem-solving skills, and ability to clearly communicate mathematical ideas.

GEOMETRY HONORS

Prerequisite: A in Algebra 1

At an accelerated pace, this course studies the main elements of Euclidean geometry with aspects of solid geometry to a greater depth. Students engage in higher level thinking, algebraic processes, and deductive reasoning through proofs, and gain important tools in studying at the honors level. Students also learn how to apply principles of algebra to geometric problems.

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ALGEBRA 2

Prerequisite: Algebra 1

Algebra 2 continues to explore the concepts and principles of algebraic problem solving introduced in Algebra 1. The fundamental concepts of this course include linear, quadratic, and rational functions. Specifically, students learn imaginary numbers, polynomials, systems of equations, inequalities, exponents, and solving quadratics.

ALGEBRA 2 HONORS - NHS

Prerequisite: A in Algebra 1 and B in Geometry Honors

Algebra 2 Honors builds upon the foundational concepts introduced in Algebra 1 at an accelerated pace. The curriculum includes a deeper study of systems of equations and inequalities, matrices, conic sections, and quadratic equations are extended to complex numbers. Algebra 2 Honors aims to equip students with a comprehensive understanding of advanced algebraic concepts, providing a strong foundation for higher-level mathematics and real-world problem-solving.

PRECALCULUS

Prerequisite: B- in Algebra 2

Precalculus integrates the topics studied in Algebra 1, Geometry, and Algebra 2 and begins to lay the groundwork for Calculus and college level math courses. This course is designed to develop quantitative reasoning and problem-solving. Students learn trigonometric, linear, logarithmic, and conic functions through the exploration of topics including unit circle trigonometry, sinusoidal curves, matrices, sequences, probability, and conic sections.

PRECALCULUS HONORS - NHS

Prerequisite: A in Algebra 2 or B in Algebra 2 Honors

Honors Precalculus is an accelerated and rigorous course designed for students on the advanced mathematics track who are preparing for AP Calculus AB and future college-level math studies. Building on concepts from Algebra 1, Geometry Honors, and Algebra 2 Honors, this course provides a comprehensive exploration of advanced algebraic and trigonometric topics while emphasizing conceptual understanding, analytical reasoning, and problem-solving.

Students deepen their understanding of functions, including polynomial, rational, exponential, logarithmic, and trigonometric functions, and study conic sections, sequences and series, vectors, polar coordinates, and parametric equations. Emphasis is placed on modeling real-world problems, developing multiple solution strategies, and communicating mathematical reasoning effectively. Students also make extensive use of graphing technology to analyze and visualize mathematical relationships.

This course moves at a faster pace and demands a higher level of independence, critical thinking, and precision than the standard Precalculus course. It is specifically intended for students who demonstrate strong mathematical aptitude and motivation to pursue advanced STEM coursework.

STATISTICS - NHS

Prerequisite: B- in Algebra 2

Statistics explores the science of statistics. Students understand the processes of sampling data, creating honest and unbiased experiments, and interpreting data. Students learn about z-scores, standard deviation, expected value, variance, distributions, hypothesis testing, confidence intervals, chi-squares, correlations, and probability. It is a challenging capstone course for students who want an advanced mathematics course but would not necessarily be going into a math-related major in college.

AP STATISTICS - NHS

Prerequisite: B in Algebra 2 Honors

Statistics is a requirement of nearly every undergraduate major. Therefore, this course is highly recommended for students who are considering studying economics, business, science or social sciences in college. This course is a challenging, conceptually rigorous introduction to college-level statistics and

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introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to content across four broad themes: gathering data, analyzing data, probability, and inferential statistics. Students frequently make use of these statistical tools to better understand real-world data. Students review and evaluate research results as well as conduct their own research. Open to sophomores, juniors, and seniors.

Students enrolled in Advanced Placement Statistics are required to take the Advanced Placement Statistics exam in May.

AP CALCULUS AB - PA, NHS

Prerequisite: B in Precalculus Honors

AP Calculus AB is a college-level course officially endorsed by the College Board that provides students with a comprehensive introduction to the fundamental concepts of single-variable calculus. This course replaces Calculus 1 and is designed to parallel a first-semester college calculus course, emphasizing conceptual understanding, procedural fluency, and real-world applications.

Students study limits, derivatives, definite and indefinite integrals, and the Fundamental Theorem of Calculus, while exploring how these concepts model and solve problems involving motion, growth, optimization, and area. The course also integrates technology and analytical reasoning to deepen students' understanding of calculus as a coherent mathematical system.

Through a combination of lectures, problem-solving sessions, and inquiry-based learning, students build both the theoretical and practical skills necessary for success on the AP Calculus AB Exam in May. Completion of this course prepares students for further study in mathematics, engineering, economics, or the sciences.

Physical Education/Health

Physical Education and Health courses provide students with an opportunity to learn about sportsmanship, teamwork, and physical wellness as a means of understanding and honoring how God has designed our bodies. The primary objective of these courses is for students to develop an appreciation for physical activity and personal fitness. Activity units include team sports, individual sports, creative games, aerobic workouts, and strength training. Health integrates classroom theory with physical experience to encourage a responsible, healthy lifestyle.

PHYSICAL EDUCATION/HEALTH 1

Physical Education & Health 1 provides ninth-grade students with a foundation in personal fitness, wellness, and healthful living from a Christ-centered perspective. Students explore how honoring God includes caring for and strengthening their physical bodies through activity, discipline, and teamwork.

In the physical education component, students participate in a variety of team and individual sports – including soccer, lacrosse, tennis, ultimate frisbee, badminton, basketball, and volleyball – along with creative and cooperative games that emphasize sportsmanship, coordination, and endurance. Students are also introduced to basic fitness training and goal-setting techniques to promote lifelong wellness.

The health curriculum focuses on developing life skills and decision-making in areas such as social health, first aid and safety, disease prevention, medicine and drug awareness, and overall physical and emotional well-being. The course encourages students to view health and wellness through the lens of stewardship - caring for the bodies and lives that God has entrusted to them.

PHYSICAL EDUCATION/HEALTH 2

Physical Education & Health 2 builds upon the foundational skills and concepts introduced in the freshman course, offering juniors the opportunity to advance their physical fitness, teamwork, and understanding

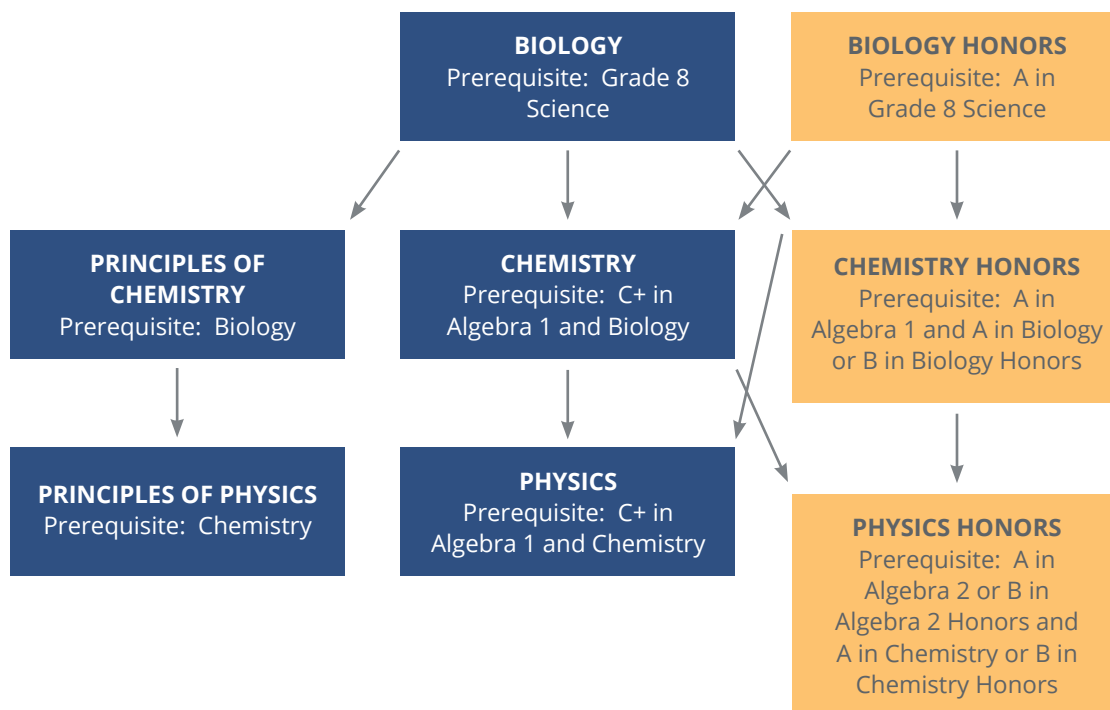
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of holistic health. Students refine skills in team and lifetime sports such as soccer, lacrosse, tennis, badminton, basketball, volleyball, and softball, and engage in advanced recreational and outdoor activities – including hiking and kayaking – that promote lifelong physical activity. Students also design and lead original fitness games or workouts focused on specific health goals.

The health component addresses more mature and relevant topics for upperclassmen, including nutrition, mental and emotional health, human development, human sexuality, and substance abuse prevention. Students examine how faith informs healthy choices and relationships, and how physical, mental, and spiritual wellness are interconnected in living a balanced, God-honoring life.

Placement Criteria - Science

In addition to the grade requirements listed below, teacher recommendation is required for course placements.



Science

As God’s chosen caretakers of creation, we study science in an effort to see His glory as shown in every aspect of our universe. **Biology, Chemistry, Physics** are required courses for graduation. **Principles of Research, Anatomy & Physiology, and AP Biology** are offered as additional electives.

BIOLOGY

Prerequisite: Grade 8 Science

Biology introduces students to the major concepts of life science using a variety of classroom and laboratory experiences. Topics include biochemistry, cell biology, cell division, genetics, and origins. This course encourages responsible stewardship and provides preparation for further study in biology.

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BIOLOGY HONORS

Prerequisite: A in Grade 8 Science

Biology Honors is recommended for students who have demonstrated extraordinary interest and aptitude in science. It includes topics outlined in the general course, but covers them in greater depth and at an accelerated pace. Biology Honors is a rigorous science course that lays a foundation needed for AP Biology and Anatomy & Physiology.

PRINCIPLES OF CHEMISTRY

Prerequisite: Biology

Developed by the American Chemical Society and endorsed by the National Science Foundation, this program is designed to teach students relevant chemistry concepts by emphasizing how chemistry impacts our everyday lives. Principles of Chemistry incorporates extensive laboratory and student-centered activities. This course meets the high school's requirement of a second lab science course and is offered at an appropriate level of rigor. It is a viable alternative for students who are challenged by the mathematics required for college preparatory chemistry and physics.

CHEMISTRY

Prerequisites: C+ Algebra 1 and Biology

Chemistry provides students with an excellent foundation in the study of matter and its changes. The topics include atomic structure, chemical bonding, chemical reactions, gas laws, the mathematics of chemical reactions, and energy changes in chemical reactions. This course is intended for students who are comfortable with abstract science concepts and mathematical computations as this course combines both abstract thinking and math skills.

CHEMISTRY HONORS - PA, NHS

Prerequisites: A in Algebra 1 and A in Biology or B in Biology Honors

Chemistry Honors is intended for those students who wish to pursue science in college. The Chemistry Honors curriculum includes the same topics studied in Chemistry, but in greater detail and at an accelerated rate. Additional topics include the quantum model of the atom, thermodynamics, and acid-base theory. Chemistry Honors is an excellent choice for those students desiring an in-depth analytical and rigorous science course. Chemistry Honors is a quantitative study of chemistry meaning that strong math skills and being comfortable with solving complex math formulas are required for this course.

PRINCIPLES OF PHYSICS

Prerequisite: Principles of Chemistry

Principles of Physics is a conceptual and applied introduction to the fundamental ideas of physics, designed for students who may find traditional physics courses too mathematically demanding or who benefit from a more guided, hands-on approach. This course serves as an accessible third-year science option and is aligned with the school's laboratory science graduation requirement.

Students explore the key principles governing motion, forces, energy, waves, electricity, and magnetism, with a strong emphasis on real-world applications and conceptual understanding rather than complex mathematics. Through engaging demonstrations, lab investigations, and student-centered activities, learners discover how physics explains everyday phenomena – from how objects move to how technology functions.

The course encourages curiosity, problem-solving, and practical reasoning, helping students develop a working understanding of how physical laws shape the world around them.

PHYSICS

Prerequisites: C+ Algebra 1 and Chemistry

Physics investigates Newtonian physics as it relates to motion in one and two dimensions, circular motion, forces, work and energy, and momentum. This course emphasizes how the laws of physics relate to everyday life. Problem solving is emphasized so students should be comfortable solving problems using basic algebra and geometry.

PHYSICS HONORS - PA, NHS

Prerequisite: A in Algebra 2 or B in Algebra 2 Honors and A in Chemistry or B in Chemistry Honors

Physics Honors is designed for students who wish to pursue science in college. The curriculum includes the same topics covered in Physics with additional topics that include mechanical and sound waves, electric charge, electric fields, electric potential, and electric circuits. Since this course involves solving problems using physics formulas, vector algebra, and trigonometry, students need to have excelled in Algebra 1, Algebra 2, Geometry, and Precalculus. This course, along with some independent studying on the part of students, prepares students for the AP Physics I Exam.

Science Electives

AP BIOLOGY - NHS

Prerequisite: A in Biology or B in Biology Honors, A in Chemistry or B in Chemistry Honors, or with permission of the instructor

Students explore the chemical and cellular basis of life. They cover cell morphology, cellular reproduction, molecular genetics and energetics. In addition, topics covered include the biology of organisms and the biology of populations and communities. Students are required to do a large animal dissection or an alternate assignment at the end of the semester. The college level material covered in this course prepares students for the Advanced Placement examination given by the College Entrance Examination Board. This course follows the syllabus of the College Board. Students enrolled in the Advanced Placement Biology course are required to take the Advanced Placement Biology examination in May. Open to juniors and seniors.

ANATOMY & PHYSIOLOGY - PA, NHS

Prerequisites: A in Biology or B in Biology Honors, A in Chemistry or B in Chemistry Honors, or with the permission of the instructor

Anatomy & Physiology is a rigorous college-level course designed to provide a foundation for study in physical therapy, nursing, medicine, dentistry, or biomedical engineering. This course provides students with an understanding of human body structures, their principal functions, and how each contributes to the maintenance of homeostasis. This is an advanced course that includes a significant amount of lab work.

PRINCIPLES OF RESEARCH

Prerequisites: 9th or 10th grade student in Math or Science Honors courses

Through hands-on, small-scale projects, students learn how to set up and conduct scientific research. Students learn how to develop hypotheses and then design experiments to test their hypotheses. Additionally, students learn the steps of the design process and apply these steps to their small-scale projects. Other aspects of the course include presentation techniques, creating posters and slideshows for presentations, and reading science research literature. The class culminates in a final small-scale research project for which students write a report.

STEM CAPSTONE PATHWAY

Prerequisites: Successful completion of Principles of Research and acceptance in the ECHS Honors Academy

The STEM Capstone Pathway is an advanced, project-based program designed for students in the ECHS Honors Academy who have successfully completed Principles of Research. This unique, multi-year experience provides students with the opportunity to apply their skills in scientific research, engineering design, data analysis, and communication toward solving a real-world problem through an extended, student-driven engineering project.

Working individually or in small teams, students design, develop, and execute a capstone project over the course of one to two years under the guidance of faculty mentors, a research-writing instructor, and a STEM coordinator. The program emphasizes the integration of faith and learning, helping students understand engineering and scientific research as tools for creativity, stewardship, and participation in God's restorative work in the world.

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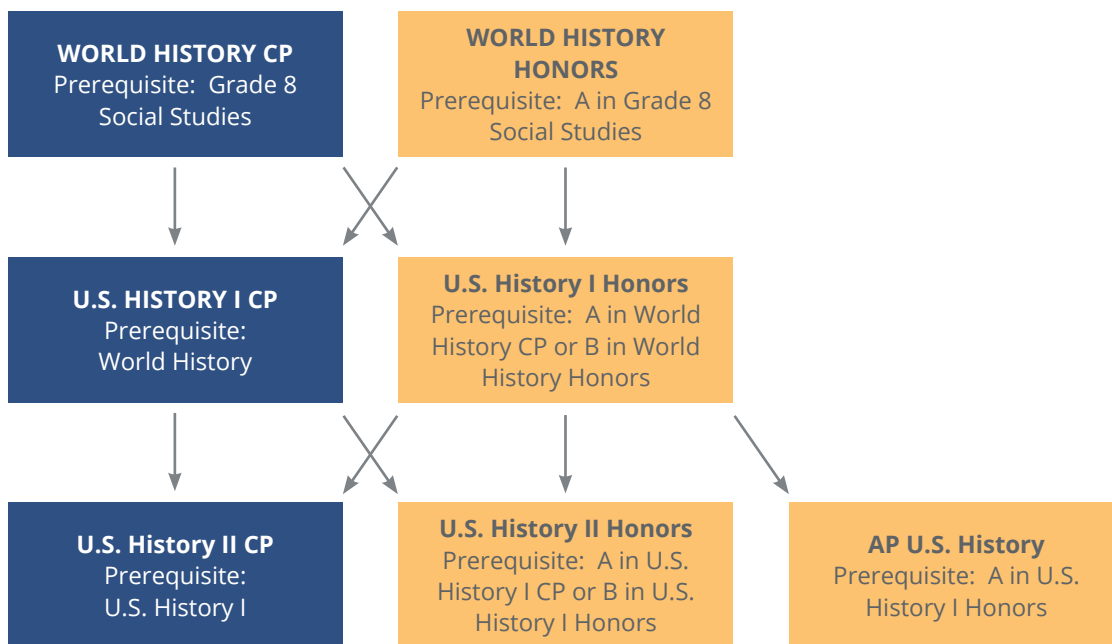
Throughout the process, students engage in every stage of the engineering and research cycle – problem identification, background research, design and prototyping, testing and iteration, data analysis, and final presentation. Deliverables include a research report, a project log, and a formal presentation at the school’s STEM Celebration, where students share their work with peers, faculty, and community members.

The STEM Capstone Pathway equips students with critical thinking, collaboration, and communication skills while preparing them for college-level research and STEM-related careers.

This program extends beyond the traditional classroom format and includes scheduled meetings, mentorship sessions, and independent research time.

Placement Criteria - Social Studies

In addition to the grade requirements listed below, teacher recommendation is required for course placements.



Social Studies

Social Studies courses seek to enlighten students to the geography and cultures that have shaped our world, giving rise to discussions about historical events and civilizations from a Christian worldview.

In 9th grade, students study world cultures as they have developed through history. In 10th and 11th grades, students study American history and politics. An interdisciplinary approach to these studies is emphasized.

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WORLD HISTORY CP

Prerequisite: Grade 8 Social Studies

World History CP is a comprehensive exploration of global civilizations from ancient times to the modern era. This course provides students with a unified understanding of how human societies have developed, interacted, and influenced one another across time.

Students study major civilizations and historical turning points, including the rise and fall of empires, cultural and religious developments, global trade networks, revolutions, and the emergence of the modern world. The course emphasizes geography, politics, economics, religion, social structures, and cultural achievements, helping students connect past events to contemporary global issues.

Through analysis of primary and secondary sources, critical thinking exercises, and discussion-based learning, students develop key historical thinking skills, including cause and effect, comparison, and continuity and change over time.

WORLD HISTORY HONORS

Prerequisite: A in Grade 8 Social Studies and placement testing

World History Honors is an accelerated, interdisciplinary study of global civilizations from ancient times through the modern era. This course challenges students to engage deeply with historical analysis, critical reading, and advanced writing while exploring the political, economic, social, cultural, and intellectual forces that have shaped human history.

Students examine major civilizations and global developments - from the ancient world through the Renaissance, Enlightenment, and into the 21st century - through the lens of art, literature, philosophy, and religion. The course emphasizes analytical thinking, synthesis of ideas, and interpretation of primary sources, helping students develop the skills necessary for future AP-level coursework, such as AP European History.

Students engage in seminar discussions, independent research, and writing assignments that mirror the expectations of college-level study. Extensive reading and writing are required.

U.S. HISTORY 1 CP

Prerequisite: World History CP

In this course, students examine the development of America from the Age of Exploration through the Progressive Era in defining the formation of America's identity. Students develop research skills to better understand and analyze America's history. Students are able to apply historical skills in their examination of America from roughly 1600 through 1900.

U.S. HISTORY 1 HONORS - PA, NHS

Prerequisite: A in World History CP or B in World History Honors

In this course, students examine the history and development of America in its political, economic, social, and cultural contexts from about 1500 (European colonization) to the end of the 1800s. Using chronological and conceptual approaches to the history, students explore extensive primary and secondary sources, as well as the analysis and interpretations of modern historians, as well as learn how to apply historical thinking skills.

U.S. HISTORY 2 CP

In this course, students examine the development of the American identity throughout the 20th and 21st centuries. Students are challenged to examine political, social, and cultural developments in order to understand the changes that occur in the American nation. A significant component of this course is the study of American government in the context of the 20th and 21st centuries.

U.S. HISTORY 2 HONORS - PA, NHS

Prerequisite: A in US History 1 CP or B in US History 1 Honors

In this course, students examine the history and development of America in its political, economic, social, and cultural contexts from from the early 20th century to present day. Using chronological and conceptual

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approaches to history, students explore extensive primary and secondary sources, the analysis and interpretations of modern historians, and learn how to apply historical thinking skills.

AP U.S. HISTORY - PA, NHS

Prerequisite: A in US History 1 Honors

AP United States History is a college-level course officially endorsed by the College Board that offers an in-depth exploration of the political, economic, social, and cultural development of the United States from pre-Columbian times to the present. This course emphasizes historical thinking, analysis of primary and secondary sources, and the interpretation of major themes and events that have shaped the American experience.

Students examine key topics such as the founding of the nation, the growth of democracy, the Civil War and Reconstruction, industrialization, social reform movements, the rise of the United States as a global power, and the major political and cultural shifts of the 20th and 21st centuries. The course fosters critical reading, writing, and discussion skills, encouraging students to think like historians—evaluating evidence, constructing arguments, and understanding multiple perspectives.

Students prepare for the AP U.S. History Exam in May through practice with document-based questions (DBQs), long essay questions (LEQs), and short-answer questions (SAQs).

This course may be taken as an optional replacement for U.S. History 2 Honors.

Social Studies Electives

INTERNATIONAL RELATIONS (ODD YEARS)

This course combines the study of the international community and macroeconomics. Key concepts lead students to understand the principles which guide relationships between nations, examine the role of the United States in the international community, analyze the relationship between economics and international relations, examine the new world order since 9/11/01, and struggle with developing a Christian perspective on international relations. Open to sophomores, juniors, and seniors.

CIVICS (EVEN YEARS)

Romans 13 exhorts Christians to honor those in authority over us. In order to honor this command, we must strive to understand how this passage applies to our lives. This course explores how the American government works and is designed for students who want to be challenged to better understand the principles and practices of American civic life. The course includes an in-depth consideration of the principles of American government, an overview of the Constitution and the Bill of Rights, and the practices of government at national, state, and local levels. In addition, there is an emphasis on the responsibilities we have as citizens of both our nation and the world. Finally, we consider how being a citizen of God's kingdom impacts our actions as citizens of nations on earth. Open to sophomores, juniors, and seniors.

CRIMINAL JUSTICE (ODD YEARS)

This course is an introductory survey that focuses on the development of law and justice, crime and punishment, the administration of law, and larger questions regarding the American criminal justice system. Main emphasis is placed on the criminal justice process and how the various institutions of criminal justice interact by examining court cases, speaking with individuals working within the criminal justice field, and visiting various locations. Students also look at criminal justice through a Biblical worldview as they grapple with the ideas of sin, free will, and ultimately redemption. They also confront the justice system as a retributive system and consider the nature of a restorative system aligned with Christian beliefs. The ultimate goal of this course is to educate students to become informed citizens of the United States in the Global Age. Open to juniors and seniors.

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GENOCIDE & HUMAN BEHAVIOR (EVEN YEARS)

This course allows students to examine common human behaviors, beliefs, and attitudes that can be readily observed in their own lives. Students explore historical case studies, such as the Holocaust, the Cambodian Genocide, and the Rwandan Genocide, and analyze how common behaviors may have influenced the choices individuals made in the past—to participate, stand by, or stand up—in the face of injustice and mass murder. Students examine how the history they have studied continues to influence our world today, and consider how they might choose to participate in bringing about a more humane, just, and compassionate world. Students are challenged to apply and consider their own Christian beliefs as we move through the course. Open to juniors and seniors.

INTRODUCTION TO PSYCHOLOGY

This course gives students a new perspective perhaps of God's greatest creation, humankind. This is accomplished by studying principles, concepts, and theories central to the study of psychology. Specifically, students are introduced to the scientific study of psychology, the learning and thinking processes of the human mind, the path of human development from infancy through old age, how and why a person experiences emotions, how physical health is related to mental health, and how our perceptions influence our interactions. Open to juniors and seniors.

AP US GOVERNMENT AND POLITICS - NHS

Prerequisite: A in the preceding Honors History course and with permission of the instructor

This course is designed to provide students with an analytical perspective on government and politics in the United States and to prepare them for the Advanced Placement examination in United States Government and Politics. Students begin the course with an examination of the general structure of the U.S. government and with issues of civil rights and liberties. Subsequent topics in this course include political beliefs and behaviors; political parties, interest groups, and mass media; institutions of national government; and public policy. Open to sophomores, juniors, and seniors.

Students are required to take the Advanced Placement U.S. Government and Politics Examination in May.

World Languages

5 Credits are required to graduate, although many colleges require 10 credits

KOREAN 1

Korean 1 is an introductory course designed for students who want to explore and begin learning the Korean language and culture. This course focuses on building foundational skills in speaking, listening, reading, and writing Korean. Students learn the Korean alphabet (Hangul) and develop basic vocabulary and grammar necessary for simple conversations and everyday communication.

Through interactive activities, cultural exploration, and real-life applications, students gain an understanding of Korean customs, traditions, and modern society. Emphasis is placed on developing conversational skills, pronunciation, and comprehension while fostering an appreciation for the Korean language and its rich cultural heritage.

By the end of the course, students are able to introduce themselves, ask and answer basic questions, and express simple ideas in Korean. This course serves as the first step in the Korean language sequence and provides a strong foundation for further study. Open to Grades 9-12

KOREAN 2

Korean 2 is the second course in the Korean language sequence and builds upon the foundational skills developed in Korean 1. Students continue to expand their proficiency in speaking, listening, reading, and writing while deepening their understanding of Korean grammar, vocabulary, and culture.

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In this course, students strengthen their command of Hangul and learn to communicate in more complex sentence structures, express opinions, describe past and future events, and engage in extended conversations on familiar topics. Emphasis is placed on improving pronunciation, fluency, and comprehension through authentic listening and reading materials.

Cultural exploration remains an integral component of the course, with students examining aspects of Korean history, customs, modern society, and popular culture to develop intercultural awareness and appreciation. Interactive activities, such as dialogues, projects, and multimedia exercises, helps students apply their language skills in meaningful, real-world contexts.

By the end of Korean 2, students are able to confidently communicate in everyday situations and are prepared to advance to Korean 3.

SPANISH 1

This course is an opportunity to learn the most popular world language in the USA today. Students hear, speak, write, read, and comprehend basic Spanish. In this course, students master the ability to speak using present tense verbs, both regular and irregular. Students are equipped to have simple conversations with Spanish speakers in diverse situations. Supplementary readers increase the student's vocabulary and enrich knowledge and appreciation of Hispanic culture. Additionally, students examine the impact of native Spanish-speakers within the United States. Placement tests are given to students with prior coursework in Spanish to determine appropriate levels.

SPANISH 2

Prerequisite: Spanish 1

Students build upon their understanding of Spanish through a brief review of previously learned grammar and vocabulary. This course then takes students through a rigorous and detailed practice of the many nuances of Spanish, including a deeper look at regular and irregular verbs in present, preterite-perfect, imperfect and progressive tenses. Students practice speaking, reading, and writing the language within contexts that prepare them for situations like traveling to a Spanish-speaking country for both leisure and study. Students continue to study Hispanic culture, including an emphasis on understanding the political and economical states of several Latin American countries. Students who excel and are striving for acceptance to a very competitive university are urged to take levels 3 and 4.

SPANISH 3 - NHS

Prerequisite: B in Spanish 2

Building on the foundation of Spanish 1 and 2, this course introduces more advanced grammar concepts and contemporary vocabulary that encourage more natural speech and greater ability to communicate. Literature, movies, and cultural activities supplement textbook work. Student verbal presentations are integrated throughout the course. Students who excel and are striving for acceptance to a very competitive university are urged to take level 4.

SPANISH 4 - NHS

Prerequisite: B in Spanish 3

This course is an advanced and comprehensive study of the Spanish language and culture. In this advanced course, students participate in more challenging speaking, reading, and writing in the target language. Most conversation and discussion in this course is conducted in Spanish.

Other Opportunities:

WINGS

The WINGS program (Work Internship Network for Gaining Skills) offers a customized internship for senior students who want real-world occupational experiences. Students enrolled in WINGS travel to a job site to learn technical skills in place of a classroom. WINGS can be used to accelerate job training or to explore a possible career path or interest. ECHS administration works with motivated and independent students and their families to design a pathway of academic courses, identify an outside provider for training, and support an internship for hands-on job experience. The traditional internship model takes place during school hours in exchange for class time. We currently offer additional models including summer and after school internships.

This program runs with an independent partnership alongside an organization and a faculty mentor. Any travel expenses or tuition fees are the responsibility of the family. Possible fields of study include, but are not limited to: biomedical science and technology, cosmetology, dental hygiene, construction management, engineering, auto mechanics, marketing and design, general practice law, airport management, real estate, court house (legal), and elementary school.

EDUCATIONAL SUPPORT SERVICES

The Educational Support Services (TESS), also known as Resource Room courses, include assistance with current subjects and homework, as well as support with study skills and self-advocacy skills. This course is taken for credit.

INDEPENDENT STUDY OPTIONS

Some students may have the option of pursuing an independent, faculty-directed course. Exceptional students must be motivated and demonstrate a thirst for knowledge in a particular area. The student must request an independent study from their academic and college counselor and speak to the faculty member who would oversee their work. The student and faculty member formulate a plan of study and schedule deadlines, and then submit a written proposal of the course to the principal. An Independent Study Contract needs to be signed and each part of the process followed explicitly. Credit for the course coincides with the work required and grades are assigned.

SOAR

Student Opted Academic Resource (SOAR) is a time in students' schedules that allows them to explore an interest. SOAR meets for 40 minutes four days a week. Many students choose to participate in our Music program during this time which consists of Choir, String Orchestra, and Band. Other students can choose between many different clubs or activities that change throughout the year. Teachers provide a variety of choices that explore different subject areas or provide skill practice. Some students also choose to meet with their teachers to get extra help in a subject. SOAR provides an opportunity for students to take on a leadership role by starting SOARs that provide new interest areas to the student body.

STUDY HALL

Study Hall is available for students who need time in their school day to actively work on class work, especially if time constraints after school due to sports or other activities prevent them from having sufficient time to complete homework assignments. Study Hall is chosen as needed. No academic credit is awarded.



EASTERN CHRISTIAN SCHOOL

Engaging ▾ *Nurturing* ▾ *Transforming*

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