## EASTERN CHRISTIAN HIGH SCHOOL COURSE CATALOG <br> 2014-2015

This catalog contains an overview of the courses available to students attending Eastern Christian High School and an outline of the graduation requirements. While a number of options are available in mathematics, technology, science, world languages, art, music, and Bible, all students must enroll in a set of core courses during each year of high school. The purpose of this guide is to provide a comprehensive listing of the required and elective courses. Students, with the assistance of parents, teachers, deans, and the college and career counselor, should choose a program of courses that adequately prepares them to meet their future goals.

## GRADUATION REQUIREMENTS

A. To receive an ECHS diploma, a student must successfully complete a minimum of 137 credits. Full block courses (courses that meet every day) are 5 credits each; half block courses (courses that meet every other day) are 2.5 credits each. Study hall receives NO credit.
B. Required Courses for an Eastern Christian diploma:

4 courses: English is required each year of attendance
3 courses: Mathematics is required for three years
3 courses: Laboratory Science is required for three years
4 courses: Social Studies is required each year of attendance
1 course: World Language and two years suggested for college entrance
4 courses: Bible is required each year of attendance
Courses are the equivalent of 2.5 credits per year
4 courses: Physical Education and Health are required each year, for the equivalent of 2.5 credits
1 course: Art (5 credit course)
OR
2 courses: Music ( 2.5 credits)
1 course: Career/Technical Education (Required in 9th grade)
1 course: Financial Literacy
50 hours: Faith in Action is required; 40-45 hours out of school, 5-10 hours in school (2 credits)

## CURRICULUM

All students are required to complete basic coursework that will prepare them to enter college, technical/vocational schools, or the work force. Students with strong academic skills, a high interest in schoolwork, a willingness to take on demanding assignments, and who wish to get into the more competitive colleges, should choose the more challenging academic programs.

## DUAL CREDIT COURSES

Courses designated for dual credit allow a student to receive both high school credit toward a diploma and also college credit from a specified institution. Eastern Christian high school has dual credit courses which are offered in an online format and also dual credit courses which are offered in our classrooms in partnership with Seton Hall University in our Project Acceleration program (see section below). Upon completion of a course, the student receives credits on a college transcript. These credits transfer to most colleges but their transferability is ultimately decided by the college which the student attends. These dual credit courses are very affordable and are paid for by parents. Online courses for dual credit are offered in partnership with King's College (NY) and Calvin College (MI). Examples include Latin, Economics, Writing, Logic, Quantitative Reasoning, and the Fantasy and Science Fiction of C.S. Lewis.

## PROJECT ACCELERATION COURSES

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. Classes that have been approved are labeled PA (for Project Acceleration course) in the course catalog. Students selecting these courses will receive high school credit for the course from Eastern Christian High School and will 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. In some instances, courses may even fulfill core degree requirements, possibly allowing for students to graduate from college sooner.

Any grade earned will be 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:
http://www.shu.edu/academics/artsci/project-acceleration/index.cfm
Students may not take more than 4 project acceleration courses per year without approval from the College and Career Office and may not earn more than 22 credits total.

## ONLINE LEARNING

In addition to online courses for dual credit, a student may elect to complete an online course for high school credit only. The student receives a block in his or her schedule for this purpose. Students may not take online courses which are offered in live classrooms and must be a junior or senior at ECHS. The school contracts with Christian Schools International (CSI) for the provision of online courses and examples of course offerings include: Latin, German, French, Chinese, Economics, and Accounting. High school credit-only courses are paid for by ECHS. Please refer to the "Online Learning Philosophy, Policies, \& Procedures" section of the studentparent handbook (p.12) or to page 20 of this course catalog for more information.

## NATIONAL HONOR SOCIETY

In order to be eligible for membership in the National Honor Society, students must maintain a minimum cumulative GPA of 3.500. In addition, students must enroll and receive credit in at least 2 honors or advanced level courses in both the junior and senior years. Courses that are considered honors or advanced are identified in the course catalog as NHS. In addition to the academic standards, students will be evaluated in the areas of service, leadership, and Christian character.

## INTERNATIONAL STUDENTS

Because one of the main reasons international students come to the United States for an education is to learn English, international students are not encouraged to take early release or late arrival. Instead, they are encouraged to continue to develop their English skills by taking challenging courses and interacting with the students and faculty during the school day.

## CHOOSING WISELY

As you decide which courses to take, you should plan carefully and wisely. Here's our best advice to you, based on our experience:

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 nice, don't let your social wishes interfere with your decision about what kinds of classes you are able to take for the future to which you believe God is calling you.
2. Seek the advice of parents, teachers, your grade level dean, and the college and career counselor. In the College \& Career Office you can:
a. Take career inventories which measure your strengths, weaknesses, personality, and interests. These inventories, in consultation with the college and career 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 2 courses in science (including biology and chemistry). Engineering schools may require chemistry, physics, and 4 courses in mathematics. Beyond ECHS's required courses, please be advised that nearly all four year colleges require 3-4 courses in math, 3-4 courses in science, and 24 courses in a world language. Beyond these standards, colleges differ. Be sure to do your own research and consult with the college and career counselor.
3. The "Course Selection Summary" sheet is an "at-a-glance" guide to use along with the Course Catalog to find out what courses you are required to take and what electives you may choose. Please notice which courses have prerequisites and use that information to plan a sequence of courses for several years in advance. Some courses are only offered every other year. If you want to take these courses, you must plan your schedule 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 extra courses beyond those that we require. We encourage students who are able to take a full load.
5. To make course changes you need permission from your grade level dean (permission from college counselor for seniors) and an approval form signed by your parents. If a class is dropped within two weeks of the beginning of the semester, there will be no indication of the dropped class on the permanent record card (transcript). However, upon joining the new class you would be required to complete the work missed up to that point. A course dropped after two weeks would be indicated on your permanent record card (transcript) as a withdrawal. A course dropped between two to five weeks may only be dropped to add a study hall and the permanent record card will show the dropped course. After five weeks you may no longer drop a course.
6. If you fail a required course you must re-take the course in an accredited, ECHSapproved summer school program, or repeat it during the next semester or the next year at ECHS. Core graduation requirements should be completed before the start of the next academic year. Failures are recorded on the permanent record card (transcript) and are reflected in the GPA.
7. You will receive your final schedule for September in late August.

COURSE SELECTION SUMMARY
This summary is a strong suggestion for all students to use as a guide in planning your high school program.


## DESCRIPTION OF COURSES OFFERED

NOTE: Most courses are offered each year at ECHS. However, there are several that are only offered every other year. Students should be aware of this as they plan their schedules. Courses offered during "Odd" years are available during the 2013-14 school year. Courses offered on "Even" years are available during the 2014-15 school year.

All courses are FULL BLOCK, or 5 credit courses, EXCEPT those indicated as "half credit" which are HALF BLOCK (every other day), or 2.5 credit courses.

Project Acceleration (PA) and National Honor Society (NHS) courses are noted at the appropriate descriptions.

## ART

5 Credits of Art OR Music are required for graduation.
 Art I

Students in this course will learn drawing, ceramics, painting, design, sculpture, and printmaking on an introductory level. As the course progresses students will be given slightly more advanced projects in each medium and will deal with concepts and composition in Art issues. In addition to learning to create art, students will learn about Art History and learn how to engage in art criticism. There will be at least one field trip and attendance is required. Students will be required to do weekly sketchbook assignments. Some research is required.

## Ceramics

Prerequisite: Art 1
This course will include study of building vessels by hand and on the wheel as well as methods of producing sculpture from clay and other materials. Intro to the chemistry of glazes will be included. Some research required. Field trip to local pottery studio included.

## Advanced Ceramics

Prerequisite: Art 1 and Ceramics
Studying advanced techniques in the clay building process and wheel throwing, as well
as advanced concepts, design theories, and stylistic expression in three dimensions. Some research is required. Field trip to local pottery studio included.
Sculpture (Even Years)
Prerequisite: Art 1
This course will be a study of sculpture-in-the-round and relief sculpture, focusing on mass, weight, and balance. Students will research and discover various styles and projects in three-dimensional art. Media studied will be wood, clay, cardboard, paper, paper maché, etc. Styles highlighted will be Realism, Abstraction, and Geometric form. Routine reports will be required and research of related art movements.
Painting (Odd Years)
Prerequisite: Art 1
Painting will include oils, acrylics and watercolor. Three weeks will be spent on each. Students will be allowed to choose their favorite medium and take it to its fullest possibilities. Abstraction, Realism, Pop Art, and many more movements will be covered. Also Historical Studies where related. There will be at least one field trip and attendance is required.
Drawing (Even Years)
Prerequisite: Art 1
Drawing will include pencil, charcoal, charcoal pencil, pen and ink and pastels. Emphasis is placed on shading, composition, highlighting, subtleties of tones, texture and positive-negative space problems. Portraits and studies of still life and anatomy will be included here. There will be at least one field trip and attendance is required.

## Printing and Design (Odd Years)

Prerequisite: Art 1
This course will continue to develop elements and principles of design in order to lay down the basics for creating images using printmaking techniques. Students will learn woodblock, linoleum, screen, stenciling and mono-printing methods. Some research is required. There will be a field trip or an in-school field trip with established print maker.
Graphic Design
Prerequisite: Art 1
With the use of Adobe Illustrator and Photoshop, and Indesign computer programs, the students will solve visual problems using images and text. Students will learn layout skills and acquire the ability to combine visual with verbal information. They will use creativity not only to design, but to also catch the public's attention (posters, t-shirts, flyers, logos, photo books). They will learn to discern between what the world values and what we as Christians should value. The course will include current industry standard programs and practices. There will be at least one field trip and attendance is required. Includes field trip to museum.

## Advanced Portfolio

Prerequisite: Art 1 and two others
Advanced Portfolio will be open to students who have shown a true proficiency in art and would consider pursuing further study on the college level. The course would follow the requirements handed down by the Educational Testing Service in order to take the portfolio exam: Sign up in College \& Career Office is required for AP test and cost of AP test is the responsibility of the student. This is an opportunity to develop a portfolio reflecting your styles and interests. There will be at least one field trip and attendance is required
NOTE for all Art Classes - Students will develop an online portfolio of selected work.

## 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. The New International Version (NIV) Study Bible is the required text, and each student needs his or her own copy. Included in Biblical Theology III \& IV are studies on how the Bible was put together.

Biblical Theology I - The Kingdom of God: A Community of Faith (Half Credit)
The course objective is to enable students to understand that from the beginning it has been God's plan to create a community of gracious, loving, forgiving people that intentionally function as God's co-workers to reconcile the world to God. The themes of creation, fall, judgment, redemption, hope, and faith receive special emphasis in the study of Genesis. Portions from the rest of the Bible are surveyed to understand the outworking of these themes in the mission of the community, culminating in the Person and work of Christ. Students are encouraged to involve themselves in service projects in our local community and around the world.
Biblical Theology II - The Kingdom of God: Lost Dream and New Opportunity (Half Credit)
The course objective is identical to Biblical Theology I: that from the beginning it has been God's plan to create a community of gracious, loving, forgiving people that intentionally function redemptively as God's co-workers to reconcile the world to God. This course focuses on the collapse of the community of Israel, Israel's struggle to regain its position and mission as the visible kingdom of God, and on the life and ministry of Christ as Israel's Messiah. Sources include Isaiah, Ezekiel, Jeremiah, Haggai, Zechariah, Matthew, Mark, Luke, and John.

Biblical Theology III - New Testament (Half Credit)
The course has two objectives. One is to enable students to understand issues concerning the inspiration and canonicity of the Bible, as well as a brief overview of Biblical genres. The second is to enable students to explain how the basic themes of creation, fall, judgment, redemption, hope, and faith are reprised in the New Testament, grounded in the Person and work of Christ, and are applied to life.
Biblical Theology IV - Apologetics (Half Credit)
The course objective is to enable students to understand and explain the Christian faith in the face of difficult questions and significant alternative faith perspectives that exist in contemporary culture.
Bible and Worship (Half Credit) (Grades 11 \& 12)
Prerequisites: Biblical Theology I and II, plus a student application.
The objective is that students will grow as followers of Christ, as spiritual leaders, and as thoughtful worship planners. Students of this course will be responsible for completing course work 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. Students will also study the ways Christians worshipped God in the past. In class discussion, we will seek to apply Biblical understandings of worship in our modern context. A culminating church project will involve a visit to an unfamiliar church and reflections on what can be appreciated from the congregation's worship. About half the time of each class will be set aside for chapel planning.
Experiencing Missions (Half Credit)
NOTE: This elective does NOT count as a Biblical Theology requirement Prerequisites: Application and teacher recommendation
Open to Sophomores, Juniors, or Seniors. Students who have not attended EC for at least one year require special administrative permission to attend.
Mission opportunities are all around us. Throughout this class we will study various global issues that have an impact on the world and how they relate to sharing the gospel of Christ. Also, the concept of service will be explored through local service projects, building relationships with missionaries, and a mission trip experience. Practical, hands-on opportunities will complement the theological study of missions. Assessment will be project and portfolio based. Students will be responsible for raising support for the mission trip. Guidance on raising support will be available.

## CAREERS IN BUSINESS \& TECHNOLOGY

Careers in Business \& Technology classes are committed to glorifying God and learning about his world through the following principles:

## Career Technical Education (CTE)

This comprehensive course assists incoming freshmen in the transition from the middle school to the high school academic and social environment, and then prepares them for life beyond high school. The focus is on skills necessary to succeed in a career: building character through leadership, technology skills, goals and time management, oral presentation skills, data base research, study skills, and resume and interviewing skills. At the same time, the course addresses preliminary career and college planning.
Financial Literacy
Open to juniors and seniors. (Required course beginning with class of 2015) This course is designed to teach students personal and economic financial literacy. Students will learn skills and strategies that promote personal and financial responsibility in areas of financial planning, savings, investments, and charitable giving in the global economy. Students will also engage an in-depth analysis of economics, long-term financial planning, and civic financial responsibility, including risk management and insurance. Students will learn skills that are critical to the 21st century global economy.

## Computer Programming

Learn to think like a computer scientist; build your own computer applications rather than use others; train your brain to think logically. Using the powerful C++ language, used by programming professionals, this class introduces programming concepts such as Variables, Input-Output, If Decisions, Loops, and Arrays. No prior programming experience is required. The focus on this class is logical problem solving and includes an introduction to robotics.

## Web Design

Creating a website is more than learning the HTML code behind the pages. It's also learning the importance of writing, graphic creation/manipulation, navigation systems, and design. Anyone can build a webpage, but after this class you'll be able to build the best. You'll use professional tools including Adobe Photoshop, Macromedia Dreamweaver, and Wordpress.
Computer Hardware (Half Credit, Odd Years)

## Prerequisites: Approval of the instructor

What exactly goes on inside a computer? The only way to find out is to take one apart...and put it back together. This class prepares students for the A+Certification Exam, an entry-level technical support certification. This exam focuses on computer troubleshooting, operating systems, and detailed knowledge of computer processes.
Advanced Computer Programming (Half Credit, Odd Years)
Prerequisites: B+ in Computer Programming I
Prepare for a future in computer programming by learning the professional-level computer languages Visual Basic and C++. High level programming concepts will be wrestled with.
Web Multimedia (Half Credit, Even Years)
Prerequisites: A- in Web Design
Integrate animation and interactivity into HTML pages using dynamic HTML, Flash, and other advanced technologies.
Web Development (Half Credit, Even Years)
Prerequisites: A- in Computer Programming I and Web Design
Move from a static web page to dynamic, database-driven web applications. The future of interactive multimedia is a hybrid of HTML web pages and server-based programming. This class combines web technology with programming smarts to create internet-based applications.
Media Literacy and Production
Prerequisites: B- in English and experience with, or a strong interest in, computer programs; such as, Adobe Photoshop (image manipulation), Illustrator (graphic design), and Premiere (film production); and are recommended by or given permission from the instructor. Class size is limited and available to juniors \& seniors.
Today's teenagers are influenced by the mass media as few generations have been. As Christians, and especially as Christians trying to reform the world, we need to be able to understand, analyze, and ultimately use all forms of media. All media messages convey a particular worldview, so students will focus on learning to decipher and respond to these messages. Students will learn the specifics of the television, publication, music, advertising, and film industries, as well as produce their own personal work in the following areas: advertising campaigns, media analysis (including film and TV criticism), and film and web content production.
Design Technology I
Prerequisite: C in Geometry
This course introduces manual drafting and designing as well as computer aided drafting (CAD) and examines the hardware that makes up a CAD workstation. Students will work from beginning to end on a project taking into consideration working in a group, materials, cost, and target audience. Students will also be responsible for individual projects to assure that each student has the knowledge, creativity, skills, and understanding needed in design and drafting.

## Design Technology II

Prerequisite: Design Technology I
This course introduces many of the different types of drawings and reinforces them with architectural and mechanical drafting on the AutoCAD program. Also students will review what they learned about accurate visual communication in Design Technology I and will be required to read the designs made by other students.

Note: Both Design Technology 1 and Design Technology II involves projects both computer based, as well as hand made.

## ENGLISH

A required course in English is mandatory during each year of high school.

## Required Courses (4)

## English 1

Literature is taught at the reading level of each student. The course will explore literature of Ancient Greece, beginning with an abridged version of The Odyssey, then To Kill A Mockingbird. Also incorporated in the course will be language usage, vocabulary, literary devices, oral presentation, and essay development. Students will gain practice in reading and analyzing a variety of literary types with emphasis on building comprehension, strengthening vocabulary and increasing fluency. Students will also practice some writing for organizational patterns and proper grammar. Placement is by recommendation of the English Department.

## English 1 CP

This is the first of a two year study of the world views of Western literature. The course will explore literature of Ancient Greece, beginning with The Odyssey, to that of the Enlightenment. Also incorporated in the course will be language usage, vocabulary, literary devices, oral presentation, and essay development.
English 1 Honors (and World History 1 Honors) (Humanities)
This is an interdisciplinary course focusing on the study of the world views, history, and literature of Western civilization through the Enlightenment. The students will also study the art, music, philosophy, etc., of each historic era. Extensive reading in AP level text and writing will be required. Admission by permission ONLY.

## English 2 CP

This course continues the study of Western literature and its world views that was begun in English 1. Chronologically, it begins with the Enlightenment, works through the period of revolution focusing on Great Expectations and Hamlet, and continues through more recent Western literature by studying a variety of poetry, short stories, drama and novels. Incorporated into the study of the literature will be vocabulary, literary devices, oral presentations and considerable essay study.
English 2 Honors (and World History 2 Honors) (Humanities)
Prerequisite: English 1 Honors (Humanities) or permission of the instructor
This course completes a two-year Humanities Sequence. The period of the Enlightenment to the current will be covered. At the end of this course students will be prepared to take the AP European History Exam.

## English 3 CP

English 3 CP is a survey of American World Views as seen in American Literature, concentrating on major authors and poets from the $17^{\text {th }}$ Century to the $20^{\text {th }}$ Century. This course has an emphasis on vocabulary through the study of Greek and Latin roots. It includes a study of analytical writing with emphasis on writing a literary analysis research paper. Note: A passing grade on the research paper is a graduation requirement.

## English 3 Honors (and US History 1 Honors) (American Studies) - PA \& NHS

This class is an interdisciplinary course joining American History Honors and American Literature Honors. The team taught course is a survey of American life and world view from the 1600's to the 20th Century and uses a humanities approach, integrating culture into the study. This course has an emphasis on vocabulary through the study of Greek and Latin roots. Extensive reading will be required with preparation toward taking the English Literature AP Exam. Admission by permission ONLY.

## English 4 CP

This course traces key authors, themes and literary styles that reveal world views of both Western and non-Western authors. Key to this course is the understanding of a culture's revelation through its literature. Students will write a research paper and will be expected to develop critical thinking skills. The course will culminate in students' developing and presenting their worldviews. Note: A passing grade in the research paper and successful completion of the worldview project are graduation requirements.
English 4 Honors (and US History 2 Honors) (American Studies) - PA \& NHS
This course is a continuation of the American Studies 1 course and will explore a global focus of 20th century history, literature, culture and politics. Extensive reading and preparation for the English Literature AP and American History AP exams should be expected. The final quarter of the course will focus on a worldview project that culminates the 4 -year study. Note: The worldview project is a graduation requirement.

## ENGLISH ELECTIVES

The English Electives are open to all students unless otherwise noted. Priority is given to upper classmen.

Writing Workshop I
This course is designed for students who need to work on their basic writing skills. Students will begin by learning 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 will work towards writing longer essays and research papers. Opportunity will be provided in writing narration, description, persuasion, and other forms of exposition. Proper MLA Format will be taught and practiced. Class size is limited. Admission is by approval or referral. This course is not a prerequisite for Writing Workshop II.

## Writing Workshop II

This course builds upon the skills that would be expected at the end of Writing Workshop I. An initial review of the writing process will be followed by systematic practice of the major types of expository writing. Essays will be based on a variety of topics. Attention will be given to grammatical usage and stylistic development. Proper MLA format will be practiced. Admission is by approval or referral. There is no prerequisite course.

## Advanced Composition- PA \& NHS

Admission is by approval
This course is designed for students who wish to further polish their writing (SAT, College Essay in the Fall). Students will work on developing their writing style and perfecting their grammatical and logical skills. Practice will be provided in writing all types of essays with emphasis on exposition. Applying a variety of research tools and demonstrating mastery of MLA format will culminate in the writing of a research paper. Practice will be provided for the SAT writing skills segment.
Journalism
Class size is limited. The EC Times is a student-written publication distributed to all three EC campuses, local churches, and the Holland Home approximately every six weeks. Students brainstorm interesting news topics, interview staff and students, and write articles with the intention of educating, informing, and entertaining the EC audience. Students also participate in a real-life small business while strengthening writing, interpersonal and photography skills.

## Advanced Journalism

Prerequisite: Journalism
Students take a leadership role in the EC newsroom. Advanced Journalism meets simultaneously with Journalism class to coordinate and write pieces for the EC Times and to lead small groups of Journalism students in brainstorming sessions. They also spearhead layout of the publication. Application required which is available in the Deans Office.
Yearbook - (Grades 11 \& 12)
Prerequisites: Journalism class and completed application from Deans Office
Are you interested in business, photography, journalism or graphic design? Are you creative or organized? The yearbook is a $\$ 32,000$ project managed by Eastern Christian students. In this class, students will play an integral role in developing a concept, obtaining information, and laying out the book. Using a variety of skills, students will follow an editorial process and work together to complete deadlines. Since the yearbook deadline continues after the first semester class ends, students must join a once-a-week SOAR during second semester (exceptions for music granted at the teaacher's discretion).
Public Speaking (Odd Years)
This course will provide a study in organizing and presenting speeches. Students will be required to develop and present various speeches including informative, demonstrative, and persuasive. Emphasis will be on developing effective speaking skills.
Creative Writing (Odd Years)
Using samples of writing and peer critiquing, students will learn and produce various styles of writing; i.e., short story, poetry, screen writing, and narrative essay. Proper grammatical use is an implied aspect of the finished product. This is a portfolio class in which students will retain and continually revise their works in order to select the most appropriate material for potential publication.

## ENGLISH AS A SECOND LANGUAGE (ESL) - ELECTIVES

ESL Full Year
A course 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 will 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 will also be introduced to different teaching methods that are common in American classrooms. Placement determined by testing.

## ESL Half Year

This course is for English Language Learners who require a semester of preparation before continuing on to English College Prep. Students will use authentic texts to increase their reading, writing, speaking, and listening skills and learn how to analyze and enjoy literature of a variety of genres. Placement determined by testing.
Writing Workshop ESL
This course is for English Language Learners who need to practice and develop solid writing skills. The emphasis will be on using proper grammar, creating clear sentences, developing unifed paragraphs, and writinng full essays in a number of forms including expository, narrative, and description. Placement is determined by testing.

## WORLD LANGUAGES

All students planning to attend college should study at least 2 years of one world language. Spanish is offered in a traditional classroom setting. Mandarin Chinese, French, German, and Latin are offered as online courses. A final grade of "C" in the first level entitles the student to go on to the second level; a "B" then entitles the student to go on to the higher levels. Please refer to the online courses section on Page 19 for additional language offerings.

Spanish 1 \& 2
This course is an opportunity to learn the most popular world language in the USA today. Students will hear, speak, write, read and comprehend basic Spanish. Supplementary readers increase the student's vocabulary and enrich his/her knowledge and appreciation of the Hispanic culture. Placement tests will be given to students with prior course work in Spanish to determine appropriate levels.
Spanish 3 \& 4 - NHS

## Prerequisite: B in Spanish 2

For these advanced levels there will be more speaking, reading and writing in the target language. In these upper levels most conversation and discussion in class will be conducted in Spanish. Students who excel and are striving for acceptance to a very competitive university are urged to take levels 3 \& 4 .

## MATHEMATICS

Three courses in math are the minimum required for graduation. Most colleges require three years for admission and four years is recommended for students whose vocational choices demand proficiency in math. Consultation with your math teachers is important to ensure you have registered for the correct course, especially
Prerequisites for the Honors level courses are a B in previous honors math courses or an $A$ - in previous non-honors courses.


## Integrated Algebra \& Geometry 1

Through differentiated instruction and a Saxon cirruculum that emphasizes repetition, students will master skills needed for Algebra. Some of the subjects learned will include problem solving, integers, variables, prime factorization, percent, decimals, fractions, mixed numbers, geometric figures, and areas of rectangles/squares. Upon completion, students enter Integrated Algebra \& Geometry 2 to complete learning before Algebra 1.
Integrated Algebra \& Geometry 2
This course reviews and introduces several concepts needed for Algebra 1. The following subjects will be presented with use of differentiated instruction and a Saxon curriculum that emphasizes repetition. Instruction will include problem solving, word problems, exponents, solving one and two step equations, fractions, decimals, proportions, percent, ratios, geometric figures, and measurement. Both Integrated Algebra \& Geometry 1 and Integrated Algebra \& Geometry 2 will prepare the students for Algebra 1.

## Algebra 1

Prerequisite: C in Integrated Algebra and Geometry 2 and by permission of the instructor
Algebra 1 is designed to equip students with the necessary skills to solve written, oral, and numerical problems algebraically. Students will gain an understanding of concepts; such as, communication, balance, growth, patterns, linear equations, and comparisons. The mathematical content mastered contains equations, exponents, polynomials, factioning, linear equations, inequalities, and square roots.

## Geometry No Proof

Prerequisite: Integrated Algebra and Geometry 2
The main elements of plane geometry are covered using a non-proof approach. Students will explore angles, triangles, congruent relationships, parallel lines, polygons, coordinate geometry, trigonometric ratios, and geometric solids. Students also will learn how to do constructions using a compass. This course is an alternative option for students who are challenged by the demands of a college preparatory Geometry curriculum.

## Geometry

Prerequisite: C in Algebra 1
This course helps students to gain an understanding of geometry through an approach that uses deductive reasoning, or proofs. Through this approach, students will explore topics such as angles, triangles, congruence, parallel lines, polygons, coordinate geometry, volumes, and inequalities.

## Geometry Honors

Prerequisite: A- in Algebra 1 and recommendation of the Math Dept.
This course studies the main elements of plane geometry with aspects of solid geometry to a greater depth. Higher level thinking, algebraic processes and deductive reasoning are important tools in studying at the Honors level. Students will also learn how to apply principles of algebra to geometric problems.
Algebra 2
Prerequisite: C in Algebra 1
Algebra 2 continues to explore the concepts and principles of algebraic problem solving introduced in Algebra I. The fundamental concepts of this course include linear, quadratic, rational, and exponential functions. Specifically, students will study topics such as imaginary numbers, the quadratic formula, variation, logarithmic functions, sequences, series, and triangle trigonometry.

## Algebra 2 Honors - NHS

Prerequisite: B+ in Honors Geometry
A- in Algebra 1 and Geometry
Recommendation of Math Dept
This course covers many of the same concepts of Algebra II with added enrichment topics and exercises. The enrichment topics will focus mainly on introductory trigonometry, statistics/probability, and matrices.
Mathematical Analysis
Prerequisite: C in Algebra 2
Required calculator: TI-83, TI-83 plus, or TI-84
Mathematical Analysis is a post-Algebra 2 course in which students study advanced topics in mathematics in preparation for college level math courses. This course provides an option for students who would like to continue in mathematics after Algebra II and for students who wish to take four years of college preparatory math but are not planning on a math-related major in college. Topics covered include functions (including, among others, exponential and logarithmic), matrix operations, statistics, and probability.

## Pre-Calculus - NHS

Prerequisite: B in Algebra 2 Honors or B in Math Analysis
Required calculator: TI-83, TI-83 plus, or TI-84
This course integrates the topics studied in Algebra I, Geometry, and Algebra II and begins to lay the groundwork for study in Calculus and college mathematics. This course is designed to develop quantitative reasoning and problem solving. Students also will learn to use technology in problem solving and will learn how to effectively communicate mathematical ideas.

## Calculus 1 - PA \& NHS

Prerequisites: B in Pre-Calculus or permission of the teacher
Required calculator: TI-83, TI-83 plus, or TI-84
In this course, students will explore the basic concepts of single-variable calculus. Major concepts to be covered include limits, differentiation, integrals and applications related to each. With some independent study, students enrolled in this course may have the option of taking the Advanced Placement Calculus AB exam in May.

## Calculus 2 - NHS

## Prerequisite: $\mathrm{B}+$ in Calculus 1

In this course, students will review objectives taught in Calculus I, as well as learn additional standards such as improper integration, plane curves, parametric equations, vector functions, area bounded by polar curves, advance integration techniques, Euler's Method, L'Hopital's Rule, and sequences. Students who register for this course may opt to take the AP Calculus BC exam in May.

## MUSIC

Music courses are year-long electives and may be taken more than once. Five credits of Music or Art are required for graduation.


## Concert Band (Half Credit)

Concert Band is an instrumental ensemble including the woodwinds, brass and percussion families. It is geared towards those students who have a minimum twoyear history of playing and reading music. Membership is based on consistent practice, attitude of service, and commitment to pursue excellence. This year-long course will challenge you as a student and a musician. Students are expected to participate in school concerts where attendance is mandatory, and students should expect the possibility of community events as well. Concert Band meets during SOAR 4 days per week. Once the fine arts credit requirements have been met, Concert Band becomes a non-credit elective.

## Concert Choir (Half Credit)

Concert Choir is a full year non-auditioned ensemble that meets during SOAR 4 days per week. Concert Choir is a larger ensemble for freshmen through seniors. This course may be repeated in order to fulfill the fine arts requirement. Concert Choir studies, rehearses, and performs choral music ranging from Medieval Chant to music written during the $21^{\text {st }}$ century. Concert Choir focuses much of its study, however, to more contemporary vocal literature from a variety of genres. This course will challenge you as a student and a musician. Students are expected to participate in school concerts, a spring field trip, and a limited number of community events. This course will challenge you as a student and a musician. Students are expected to participate in school concerts where attendance is mandatory, and students should expect the possibility of community events as well. Once the fine arts credit requirements have been met, Concert Choir becomes a non-credit elective.

## Orchestra (Half Credit)

This is a year-long elective which concentrates on music in the string literature (violin, viola, cello, bass) from baroque to present. Opportunity is provided for performance outside of school and for participation in Regional and All State Orchestra auditions. This course will challenge you as a student and a musician. Students are expected to participate in school concerts where attendance is mandatory, and students should expect the possibility of community events as well. Orchestra meets during SOAR 4 days per week. Once the fine arts credit requirements have been met, Orchestra becomes a non-credit elective.

## Honors Choir (Full Credit)

Eastern Christian Honors Choir is a select, audition-based vocal ensemble of about 16 students in grades $10-12$. ECHC members must participate in Concert Choir for the year. ECHC meets every other day for 1 block throughout the year. ECHC seeks to nurture and train students in the art and practice of small ensemble singing. As this is an advanced course, students must have basic music theory knowledge in order to participate with the group's challenging music and studies. Students will continue to grow in their ability to read music and in ear training as well. The group focuses on proper vocal
technique, breadth control, syncopation, intonation and rhythm for dynamic small group ensemble singing. Students will also study music in other languages, a capella pieces, Christian, contemporary, classical music and Broadway show tunes. Students are evaluated based on their active participation in class and at performances, rehearsal etiquette, and their ability to read, write and evaluate music. Students learn music theory and write their own original song. ECHC is an involved and active ensemble in the community. In addition to 2 formal concerts with the school, the group performs at several other venues throughout the year both in and out of school; this includes some nights, weekends and Sunday services. Membership requires a time investment and commitment to participate in the performances. Participation in this group is a serious commitment and an extremely rewarding one, filled with opportunity, laughter and lots of harmony!

## SCIENCE



All students are required to complete three courses in science to be eligible for a diploma. Freshmen are scheduled for Physical Science and sophomores for Biology, each a onesemester requirement. Students may choose from the science electives: Chemistry, Chemistry Honors, Planet Earth Science, Advanced Biology, or Physics for the third science requirement.

## Physical Science

Students are introduced to the basic principles of science through the study of water, natural resources, petroleum, and food. Through class work and hands on laboratory activities, students learn the processes involved in doing science. Students perform experiments, make observations, collect and analyze data, draw conclusions and communicate results. This course provides a solid foundation for all other science courses. A freshman course, Physical Science is required of all students.
Physical Science Honors
Prerequisite: $\mathrm{B}+$ in $8^{\text {th }}$ grade science plus a recommendation from a science teacher.
This course is open to freshmen who show extraordinary interest and aptitude in science. It fulfills the freshman science course requirement and follows the same format and includes the same content as the general course, however, Honors Physical Science is an accelerated, rigorous science course with an emphasis on problem solving. Students are introduced to computerized data collection techniques and become competent using a computer to graph and manipulate data. This course is excellent preparation for Chemistry Honors and Physics Honors. Students who do well are expected to continue in the Honors track.

## Biology

This course introduces students to the major concepts of life science using a variety of classroom and laboratory experiences. Topics include cell biology, origins, ecology, and the classification of living things. This course encourages responsible stewardship and provides preparation for advanced study in Biology.

## Biology Honors

Prerequisite: B+ in Physical Science and approval from the freshmen science instructor.
This course is recommended for sophomores who have demonstrated extraordinary interest and aptitude in Physical 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 provides excellent preparation for Chemistry Honors and Advanced Biology. Students who perform well are expected to continue in the Honors track.

## SCIENCE ELECTIVES

Students are encouraged to enrich their high school program with science electives in order to increase their academic options after graduation. Moreover, college admissions personnel look favorably upon students who enhance their course load with challenging electives.

## Planet Earth Science

Planet Earth Science will challenge the student to see our planet as a dynamic system. Studying a variety of earth's natural processes, including earthquakes, volcanoes, tsunamis, hurricanes, and tornadoes, students will be encouraged to see the energy as the unifying concept driving all earth systems. The content of this course will include a variety of perspectives including meteorology, geology, astronomy, biology, and physical science. The unifying theme of environmental issues will be central to this study to encourage students to be passionate stewards of Planet Earth. This course meets the high school's requirement of a third 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+ in Algebra 1, Geometry, Physical Science, and Biology*
Chemistry is intended for juniors and seniors who wish to fulfill the college entrance requirements in Chemistry but do not intend to pursue science studies. 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, mathematics of chemical reactions, and energy. Chemistry is a good choice for students who are comfortable with abstract science concepts and mathematical computations.
*Students who have not met the above requirements must seek permission from the instructor before enrolling. Sophomores who complete the prerequisite courses may enroll with the permission of the instructor.
Chemistry Honors - PA \& NHS
Prerequisites: B in Algebra 1 and 2, Geometry, Physical Science, and Biology* 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 they are studied in greater detail and at an accelerated rate. The additional topics include the quantum model of the atom, thermodynamics, chemical kinetics, and electrochemistry. Chemistry Honors is an excellent choice for those students desiring an in-depth analytical and rigorous science course. (continued on next page)
*Students who have not met the above requirements must seek permission from the instructor before enrolling. Sophomores who have met the prerequisites may enroll with the permission of the instructor.
Advanced Biology - NHS
Prerequisite: B in Biology and Chemistry, or with the permission of the instructor This course emphasizes the investigative process of biology, the diversity of life on earth, and impacts on human life and health. Students are introduced to a variety of research methods. Topics may include comparative anatomy \& physiology, genetics and origins, as well as bacteria, protests, Fungi, plants and animals. This is a rigorous course for self-motivated students who are ready to explore.

## Physics - NHS

Prerequisite: B- in Algebra 1 and 2, Geometry, and Chemistry*
This general physics course investigates Newtonian Physics as it relates to the topics of one and two-dimensional kinematics, rotational kinematics, forces, work and energy, static equilibrium, and momentum. Problem solving is emphasized so students should be comfortable with algebra, geometry, and basic trigonometry.
*This course is a senior elective with juniors admitted by permission from the instructor

## SOCIAL STUDIES

Four years of social studies are required for an Eastern Christian diploma. The first two years will be a study of world civilizations, while years three and four will be an investigation of American history and politics. An interdisciplinary approach to these studies will be emphasized.

## World History 1 CP

First year of a two-year exploration of the development of world civilizations. The time period covered will start with ancient civilizations and go to the 16th century AD. There will be an emphasis on the development of worldview as it relates to the students and to the civilizations studied.

## World History 1 Honors (and English 1 Honors) (Humanities)

This is an interdisciplinary course focusing on the study of the history and literature of Western civilization through the Enlightenment. The students will also study the art, music, philosophy, etc., of each historic era. Extensive reading in AP level text and writing will be required. Admission by permission ONLY.
World History 2 CP
In this course, students will continue their study of world civilizations from the $17^{\text {th }}$ century AD up to the present. The students will be challenged to consider those ideas, people, and events that have helped shape the modern world. Once again, there will be a continuing emphasis on worldview development.
World History 2 Honors (and English 2 Honors) (Humanities)
Prerequisite: English 1 Honors (Humanities) or permission of the instructor
This course completes a two-year Humanities Sequence. The period of the Enlightenment to the current will be covered. At the end of this course students will be prepared to take the AP European History Exam.

## U.S. History 1

In this course students will examine the development of the American identity from the period of European colonization to the early $20^{\text {th }}$ Century. Special emphasis will be given to the development of the Constitution and the American political system.
U.S. History 1 Honors (and English 3 Honors) (American Studies) PA \& NHS

This class is an interdisciplinary course joining American History Honors and American Literature Honors. The team taught course is a survey of American life from the 1600's to the 20th Century and uses a humanities approach, integrating culture into the study. This course has an emphasis on vocabulary through the study of Greek and Latin roots. Extensive reading will be required with preparation toward taking the English Literature AP Exam. Admission by permission ONLY.
U.S. History 2

In this course students will examine the development of the American identity throughout the $20^{\text {th }}$ and $21^{\text {st }}$ centuries. Students will be 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 will be the study of American government in the context of the $20^{\text {th }}$ and $21^{\text {st }}$ centuries.
U.S. History 2 Honors (and English 4 Honors) (American Studies) PA \& NHS

This course is a continuation of the American Studies 1 course and will explore a global focus of 20th century history, literature, culture and politics. Extensive reading and preparation for the English Literature AP and American History AP exams should be expected. The final quarter of the course will focus on a worldview project that culminates the 4-year study.

## SOCIAL STUDIES ELECTIVES

International Relations (Odd Years)
This course combines study of the international community and macro-economics. The goals are for the students to understand the principles which guide the relationships between nations, to examine the role of the United States in the international community, to analyze the relationship between economics and international relations, to examine the new world order since 9/11/01, and to struggle with developing a Christian perspective on international relations. A requirement in this course will be the development of a current events journal and a project related to a current international controversy.
American Law (Even Years)
This course involves an examination of the American legal system. After examining Biblical principles for law and justice, the class will investigate topics which include the criminal justice system, punishment, civil law, constitutional law, and family law. Students will also participate in mock trials and moot court simulations.

Contemporary American Issues (Grades 10, 11, 12) (Even Years)
In Micah 6:8, we are challenged to live lives of justice, mercy, and humility as we walk with God and serve our neighbors. The focus of this one semester class will be to help students do that, as they consider some of the important issues faced in American society. Among others, the course will include investigations into issues such as poverty in America, abortion and women's rights, Islamophobia, environmental concerns and illegal immigration. Students will be taught how to apply a Biblical worldview to these issues, and how to approach the issues with open minds. Students will be challenged to build their own beliefs and ideas about each social political issue we examine.

## Psychology (Grades 11 \& 12)

This course gives students the knowledge to better understand themselves, their lives, and their communities. This is accomplished by studying principles, concepts, and theories central to the study of psychology. Specifically, students will be introduced to the scientific study of psychology, the connection between the body and the mind, 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 an individual's health is related to stress, and how our attitudes affect the way we see the world and the people in it.

## PHYSICAL EDUCATION/HEALTH (Half Credit)

A student must take one semester of PE/Health each year for four years to be eligible for a diploma. Each semester consists of an "every other day" rotation with another class; i.e., Bible. Approximately three fifths of the time is spent in physical education. The primary objective of this time is the development of and appreciation for physical activity and fitness. Activity units include team sports, individual sports, personal fitness, and skill building. Health integrates classroom theory with physical experience to investigate, study, and develop personal fitness and a healthy lifestyle. As with PE, Health is divided into two tracks ( $9^{\text {th }} \& 10^{\text {th }}$, and $\left.11^{\text {th }} \& 12^{\text {th }}\right)$ offered on alternating years.

## ONLINE COURSES

Eligible juniors and seniors may elect to take a maximum of two online courses at ECHS.
Online courses may be for high school credit only or for dual credit. A block is provided in the student's schedule for completion of the course. In addition to the distance teacher, an online learning coach is provided, along with the computer technology in our media center. In order to be eligible for dual credit courses, students must maintain a cumulative "B" average or better.

To enroll in a foreign language online course, the student must have demonstrated academic performance in at least 4 foreign language courses completed in the traditional classroom. Enrollment in all other online courses for high school credit only require prior demonstrated academic performance. Links to course offerings are below. Additionally, more information can be found in our "Online Learning Philosophy, Policies, \& Procedures" section of the studentparent handbook (p. 12).

## Christian Schools International (CSI) Courses for high school credit: http://www.csionlineacademy.com/courses/high-school-courses.html

King's College (NY) Courses for dual credit: http://www.tkc.edu/academics/online/about.html

Calvin College's Latin 101 \& 102 courses for dual credit: http://www.calvin.edu/academics/majors-minors/latin

## 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 the independent study from their grade level Dean and speak to the Faculty Member who would oversee their work. The student and Faculty member must formulate a plan of study and schedule deadlines and then submit a written proposal of the course to the Dean. An Independent Study Contract would need to be requested from the Dean, signatures obtained, and each part of the process followed explicitly. Credit for the course would coincide with the work required and grades would be assigned.

## EDUCATIONAL SUPPORT SERVICES

In Educational Support Services, also known as 7-teen, we aspire to help students with academic subject areas, study skills, and self-advocacy. This class is taken for credit and is offered every other day or daily. Our resource room classes include tutoring and help with current subjects and homework, learning how to study and learn more effectively, and learning to promote their specific talents and needs immediately and in your future.

## STUDY (Full and Half Block)

Study time 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. Studies can be chosen in full blocks or half blocks, as needed. No academic credit is given for study hall.

DRIVER EDUCATION (Not during the school day)
This 30 -hour course is designed to teach the basics of driving with a focus on safety. Discussions center on the responsibilities of a driver and regulations that govern the use of public roads. The New Jersey Division of Motor Vehicles State Examination is administered at the end of the course. Successful completion of the Driver Education course qualifies the student for safe driver status and a premium reduction with most insurance companies. The actual "behind the wheel" experience is arranged and paid for by the parents with one of the local driving schools after the class time is completed.

