

ANNAPOLIS AREA CHRISTIAN SCHOOL



COURSE CATALOG and Scheduling Procedures

2019-2020

*...but those who hope in the Lord will renew their strength.
They will soar on wings like eagles; they will run and not grow weary, they will walk,
and not faint.
Isaiah 40:31*

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INTRODUCTION:

This course description booklet is designed to aid both students and parents in understanding the course offerings for grades nine through twelve at Annapolis Area Christian School. Our upper school students should use this booklet to plan a program of study within the guidelines and requirements for graduation from AACCS.

GRADUATION REQUIREMENTS:

Credits for graduation are earned in grades 9 to 12 only, with the exception of Algebra 1 and Spanish 1 from AACCS 8th grade. Each student must earn a minimum of 27.5 credits for graduation from AACCS. Each student is expected to enroll in at least seven courses each semester; at least four of those must be core academic courses. One study hall per semester is allowed; study hall does not earn credit.

Note: Students must earn at least 13 credits by the end of sophomore year in order to have junior status and stay on track toward graduation.

The following is a list of the minimum requirements in each course area:

| Courses of Study | Credits |
|-------------------------|--|
| Bible | 4 |
| English | 4 |
| Mathematics | 4 |
| Science | 3 (must include Biology) |
| Social Studies | 3 (including World, US, and Government) |
| Foreign Language | 2 of the same language * |
| Physical Education | 1 (incl. 0.5 Health & Fitness for Class of '22 and thereafter) |
| Fine Arts | 1 |
| Technology | 1 |
| Electives ** | 4 |
| Senior Practicum | 0.5 |

Status:

Sophomore: 6.5 credits

Junior: 13 credits

Senior: 20 credits

Seniors: Graduation requirements include the successful completion of the minimum credits of academic courses and the year-long senior practicum. Please see the Senior Practicum Tab on our website for more details.

*Please note that many colleges prefer students to have 3 credits of a foreign language.

** Electives clarification: Note that elective credits can also be earned by completing a fourth science credit, third foreign language credit, etc. Each student must attain a total of 27.5 credits including the required credits in each area.

GENERAL FOUR-YEAR SCHEDULING PLAN

| GRADE 9 (7 credits) | GRADE 10 (7 credits) | GRADE 11 (7credits) | GRADE 12 (6.5 cred.) |
|---|-------------------------|---------------------------------|------------------------------------|
| Bible 9 | Bible 10 | Bible 11 | Bible 12 |
| English 9 | English 10 | English 11 | English 12 |
| Algebra 1 or Geometry | Geometry or Algebra 2 | Algebra 2, Alg 3 or Precalculus | Precalculus, Calculus, or other |
| Env. Science or Biology | Biology or Chemistry | 3 rd Science | elective + Government |
| Western Civilization. + Foundations Tech. | World History | US History | Am. Gov't. Elective: more Science? |
| For. Lang. or English workshops | For. Lang. level 2 or 1 | Elective: Level 3 F Lang? | Elective: more F Lang? |
| Health, Fine Art | Health, Art, or Tech | Elective | Elective or student aide |
| Elective or study hall | Elective or study hall | Elective or study hall | Elective or study hall |

Note that in the course options listed above, Study Hall does not earn credit.

HONORS AND AP® COURSES

Honors courses address similar content to that of a standard level course, but go deeper with concepts, applications, details, and complexity. Because they also move at a faster pace, honors courses may include more content. Teachers hold high expectations of Honors students in terms of in-class initiative, ability to assimilate and synthesize new concepts, homework completion, self-initiative and self-advocacy.

In general, an Honors student has these qualities:

Aptitude – particular strengths in the subject area, typically demonstrated by past course grades, standardized test scores, independently pursued projects, and teachers’ recommendations

Appetite – the desire to study the subject at a higher level, a readiness for more challenge, and the self-confidence to rise to the challenge

Grit – the tenacity to pursue a concept or a problem even when it may be confusing initially and even if extra help is required.

Bandwidth – since even multi-talented students only get 24 hours a day, we need to guard against overscheduling our students. Does the student have time for the additional challenge of the Honors course, given other time demands such as daily commute, evening or weekend activities, and the need for 7-8 hours of sleep nightly?

Experience has shown us repeatedly that when one of these qualities is missing, the student does not find success in an honors course.

AP® courses are college-level courses that prepare students to take a standardized AP® exam in May. Many colleges will award credit for freshman-level courses to students who score well on those exams; the awarding of credit varies greatly by college. These AP® courses present significant

content, skills, and depth at a fast pace. Here again, students are urged to consider all that is stated above for Honors courses – aptitude, appetite, grit and bandwidth are prerequisites for considering any AP® course. At AACCS, many of these courses require an application and/or a teacher recommendation.

Note: All Advanced Placement® (AP®) Courses listed in this catalog have been authorized by the College Board. Also, we expect all students in these courses to take the AP® exam in May; the exam fee is covered through AACCS tuition.

GPA values for high grades earned in honor courses reflect a .5 increase in weighting. AP® courses will be weighted with a 1.0 increase. **No extra weighting will occur for an earned grade lower than a B- (80%).** However, there is value in studying a subject at an advanced level even if a B minus or higher is not achieved.

See the chart below for adjusted grade weighting in our advanced courses:

| Grade | Standard | Honors | AP® |
|--------------|-----------------|---------------|------------|
| A | 4.0 | 4.5 | 5 |
| A- | 3.7 | 4.2 | 4.7 |
| B+ | 3.3 | 3.8 | 4.3 |
| B | 3.0 | 3.5 | 4.0 |
| B- | 2.7 | 3.2 | 3.7 |

Throughout this catalog, all honors courses are marked with “H” after the course number, and Advanced Placement® courses are marked with “P” after the course number.

Parents - Procedures for Selection of Upper School Courses for 2019-20 School Year

- 1) Be aware of the graduation requirements and recommended 4-year track listed on page 3.
- 2) Read this Course Catalog for an overview of the courses offerings.
- 3) Review your student's previous courses and credits earned. Have them start a draft copy of their Course Selection form, which will be emailed to them by February 1.
- 4) By February 15 students must complete auditions for any honors performing arts courses. Also have them start completing applications for any selective/honors/AP® courses they plan to request. Note that if they do not receive approval for the selected course, they will be scheduled for an alternate core course or elective.
- 5) By February 19, cosign your student's Course Request Form. They should have entered 16 total courses (8 for each semester) and must include at least two alternate electives in case their first choices are blocked. Students must submit Course Request Forms to the main office by February 20.
- 6) Please understand that an honors or AP® course, once it has been scheduled with teacher approval, **should be viewed as a commitment your student will make for the entire year**. Also, note that all students in our AP® courses are expected to take the AP® exam in May.
- 7) Once all course request forms are received in late February, they will be reviewed by the Academic Dean and appropriate upper school departments.
- 8) Student Schedules for 2019-20 will be mailed in the spring to allow for the purchase of books. Course change requests based on a preference in teacher or period order cannot be entertained. Errors on a schedule can be addressed to the Academic Dean following the Policy for Schedule Changes and Course Transfers on the next page.

Policies for Schedule Changes and Course Transfers

Our desire is for scheduling to be done once, in the spring of the previous year, and to be done well, with every family thinking through choices carefully. To help minimize mistakes in scheduling and requests for changes, please critically review the course selection form to check completion and to ensure that the classes listed are ones your student truly wishes to take.

Occasionally there are errors in the process which necessitate a schedule change. These we try to catch and resolve during the summer, before the school year starts. Some course selections are dependent on the final grade in current courses (particularly true for Math); thus some changes to course selections may be recommended after final grades are reviewed in June.

During the summer, if you suspect there has been a scheduling error in the copy you receive in May, parents should contact the scheduler, Mrs. Beall (abeall@aacsonline.org) or the academic dean, Mr. Wiley (dwiley@aacsonline.org). Include your daytime and evening phone number in your email and details concerning the error. We will reply to your inquiry as soon as possible.

At the start of a semester, if a legitimate schedule problem arises, a student may complete an AACS Upper School Course Transfer Form to **appeal** for a change and to determine if an error has been made. **Such changes can only be processed before a course begins or within the first two weeks of the course.**

In general, however, a student's course choices are not changed once they have been scheduled. This is particularly true for core courses and special electives that have selective enrollment. Bear in mind that students' inclusion in these courses may have meant that other students were denied; therefore, withdrawal from an Honors and AP® course is not done without exceptional circumstances.

Please know that a course that is dropped after Q1 normally receives a grade of "Withdrawn Passing" (WP) or "Withdrawn Failing" (WF), and the student's transcript would indicate that grade. Dropping a course after Quarter 1 is highly discouraged.

Courses by Curriculum Area

BIBLE DEPARTMENT

BIBLE COURSES:

| Grade | Sem.1 | Sem.2 | Name of course | Core | Level / Credit | PreReq |
|-------|-------|-------|-------------------------------------|------|----------------|--------|
| 9 | 137 | 138 | Bible 9 – Worldview Introduction | Core | 1 credit | None |
| 10 | 161 | 162 | Bible 10 - The Bible Narrative | Core | 1 credit | None |
| 11 | 157 | 158 | Bible 11 - Basic Christian Doctrine | Core | 1 credit | None |
| 12 | 169 | 170 | Bible 12 - Apologetics | Core | 1 credit | None |

Course: 137, 138

Bible 9: Worldview Introduction

Grade 9

This course seeks to help students embrace a Christian worldview through a survey of the first five Old Testament books (the Pentateuch). Students will learn to explain a Christian worldview and to understand and critique other worldviews that are prominent today. Students will also reflect on the impact that worldviews have on our personal relationships.

Course: 161, 162

Bible 10: The Bible Narrative

Grade 10

This course focuses on the overarching story of redemption that runs throughout the Old and New Testaments. Starting with a quick review of the Pentateuch, the course equips students to retell the whole Bible narrative, from the birth of the nation of Israel, the periods of the Judges, Kings, Exile and Return, and then the coming of Messiah and spread of His church worldwide.

Course: 157, 158

Bible 11: Basic Christian Doctrine

Grade 11

This course will instruct students in the theological basics of the Christian tradition. Students will examine the historical development and the Biblical foundations for what the Church has believed over the last 2000 years. Students will learn to explain their beliefs using Scripture and the Great Tradition in which they stand.

Course: 169, 170

Bible 12: Apologetics

Grade 12

This course will prepare students to understand the basis for their faith as well as understand and defend against competing worldviews. The course will focus on properly distinguishing the substance and essentials of Christianity, grasping the history of western thought on Faith and Reason, understanding the foundations of competing worldviews, and applying the hope of the Gospel to these situations.

ENGLISH DEPARTMENT

ENGLISH COURSES:

| Grade | Sem.1 | Sem.2 | Name of course | Core | Level and Credit | PreReq |
|-------|---------|---------|--|------|-------------------|--------|
| 9 | 330 | | Intro to Academic Writing (elective) | Core | .5 credit | |
| 9 | 333 | 334 | English 9: Foundations in Rhetoric & Writing | Core | 1 credit | |
| 9 | 335H | 336H | Honors English 9: Foundations in Analysis & Argument | Core | Honors/ 1 credit | Yes |
| 9 | | 985S | Reading Workshop 9 (elective) | Core | .5 credit | |
| 10 | 343 | 344 | English 10: Themes in Western & World Literature | Core | 1 credit | |
| 10 | 345H | 346H | Honors English 10: Survey in Western Literature | Core | Honors/ 1 credit | Yes |
| 10 | 347H | 348H | Modern Western Thought & Development | Core | Honors /2 credits | Yes |
| 10-12 | | 367S | Creative Writing (taken one semester) | | .5 credit | |
| 11 | 351 | 352 | English 11: Themes in American Literature | Core | 1 credit | |
| 11 | 353H | 354H | Honors English 11: Survey in American Literature | Core | 1 credit | Yes |
| 11 | 355P | 356P | AP® English 11: Language and Composition | Core | AP®/ 1 credit | Yes |
| 11 | 985S | | Reading Workshop 11 (elective) | Core | .5 credit | |
| 11 | | 341S | Research Writing 11 (elective) | Core | .5 credit | |
| 12 | 361 | 362 | English 12: Themes in European Literature | Core | 1 credit | |
| 12 | 363H | 364H | Honors English 12: Survey in British Literature | Core | Honors/ 1 credit | Yes |
| 12 | 365P | 366P | AP® English 12: Literature & Composition | Core | AP®/ 1 credit | Yes |
| 12 | 341S | | Research Writing 12 (elective) | Core | .5 credit | |
| 12 | SenPrac | SenPrac | Senior Practicum Research Writing | Core | .5 credit | |

Course: 330

Intro to Academic Writing

Grade 9

This one-semester course takes a practical approach to language basics to help students improve their written communication. Students are placed in this class on the basis of the English Department's placement test or teacher recommendation prior to the start of the school year. This course not only serves to supplement students' practical use of the English language, but also helps them acquire and develop the necessary writing and study skills to succeed in high school. A student taking Intro to Academic Writing also takes English 9 and is usually encouraged to begin foreign language study as a sophomore.

Course: 333, 334

English 9: Foundations in Rhetoric and Writing

Grade 9

This introductory course focuses specifically on students' abilities to 1) read deeply, 2) write clearly, and 3) think well. The first semester of English 9 introduces students to a foundational understanding of rhetoric, which will shape their ability to see reading as an act of engagement with the ideas and arguments of the author. This program culminates in written responses to several works of classic literature, including William Golding's *Lord of the Flies* and Harper Lee's *To Kill a Mockingbird*. The second semester of English 9 introduces the language and skills required for reading more challenging types of literature, with a focus on gaining insight into the human condition. Throughout the year, students engage in analyzing literature and exploring their own worldviews in the contexts of the works studied.

Course: 335H, 336H

Honors English 9: Foundations in Analysis & Argument

Grade 9

This introductory course prepares students to understand and participate in mature conversations about literature and writing. This course introduces students to traditional literary criticism and enables them to analyze literature by identifying a wide variety of literary patterns. Students will learn how to structure arguments about the literal and figurative meanings of the works they read in class. Students also receive strategies for enhancing their vocabulary and improving their analytical writing. Skills include reading different types of texts, reading for resonance, and reading to understand a specific culture as well as to gain insight into the human condition. Major works studied include *Beowulf*, *To Kill a Mockingbird*, *Dr. Jekyll and Mr. Hyde*, *Romeo and Juliet*, *Lord of the Flies*, and *The Hobbit*. **Prerequisite:** Placement testing or teacher recommendation.

Course: 985S

Reading Workshop

Spring of Grade 9

Fall of grade 11

This one-semester class focuses on helping students comprehend all types of reading material, from textbooks to Shakespeare. Students will practice a variety of skills including vocabulary development, drawing conclusions, making inferences, and active reading. Literature selections from English class are incorporated whenever possible. While the course is open to all students, teacher recommendation and scores on standardized tests are used to guide placement in the class.

Course: 343, 344

English 10: Themes in World Literature

Grade 10

This course builds on students' understanding of rhetoric and argument, but delves into literary tradition to provide a framework for the major concerns of literature from the Classical era through the medieval period, the Enlightenment, and the modern world. The course uses *The Odyssey* as a foundational text and then examines how contemporary and subsequent texts address what makes life good. Writing instruction emphasizes comparison of arguments of multiple texts as a path to evaluation. The class reads *The Apology*, *Oedipus the King*, *Sir Gawain and the Green Knight*, *The Merchant of Venice*, *Things Fall Apart*, and *Life of Pi*, as well as excerpts from other works that are significant in the development of Western thought.

Course: 345H, 346H

Honors English 10: Survey in Western Literature

Grade 10

This sophomore honors course is for advanced students with a strong foundation in literary analysis, writing, and grammar. This course examines recurrent themes in works ranging from ancient and classical to contemporary literature. A highlight of inquiry is the study of ethics--what makes life good--and how the worldview of authors impacts the text. Students study novels, short stories, and poetry from around the world, including *Oedipus the King*, *Life of Pi*, and *Things Fall Apart*. Students' work is supplemented by weekly writing assignments, independent reading, and vocabulary studies. In addition, this course helps students improve the clarity, directness, and precision of their writing.

Prerequisite: Recommendation of the 9th grade English teacher, satisfactory and timely completion of the application process.

Course: 347H, 348H

Modern Western Thought and Development

Grade 10

This course integrates the study of literature and history, and is team-taught by an English teacher and a history teacher. The class meets for two consecutive periods each day, yielding one credit each in History and in English, and carries an honors weighting. It examines the trajectory of Western thought on major themes such as identity, responsibility, and community. Class discussion and frequent writing are a centerpiece for the class. The students will learn to evaluate arguments of multiple texts in comparison as they read *The Odyssey*, *Oedipus the King*, *The Merchant of Venice*, *An Ideal Husband*, *All Quiet on the Western Front*, and *Life of Pi*, as well as other minor works.

Prerequisite: Application, approval of the instructors, and overall GPA of 3.0 by end of freshman yr.

Course: 367S

Creative Writing

Grades 10-12

This one-semester course gives students the opportunity to practice several forms of creative writing. The first part of the course consists of a series of short assignments in which students hone their descriptive and narrative skills. The remainder of the course focuses on the study and imitation of literary models in the genres of creative nonfiction, short story, and poetry. While this class includes daily in-class writing, it also requires students to draft, revise, and complete assignments outside of class, including two substantial prose compositions and a poetry portfolio.

Course: 351, 352

English 11: Themes in American Literature

Grade 11

This course explores the themes and movements of American literature, beginning with the colonial period and moving through to the present. Attention is given to the literature of the Revolutionary Period, American Transcendentalism, American Realism, American Modernism, and American Postmodernism. Students' reading is supplemented by written work, vocabulary studies, graded discussions, and a research paper. Students will interact with the ideas and movements of American literature, ideally seeing themselves as both students and participants in the ongoing development of the American literary tradition as it has been manifested in specific ideas of *community* and *identity*. In addition, students will work to improve the clarity, directness and precision of their writing. Readings will consist primarily of works of short fiction, poetry, and essays from the *Norton Anthology of American Literature*, and major novels will include Nathaniel Hawthorne's *The Scarlet Letter* and F. Scott Fitzgerald's *The Great Gatsby*.

Course: 353H, 354H**Honors English 11: Survey in American Literature****Grade 11**

This course explores the themes, movements and ideas of American literature as they have transformed over time through an increasingly diverse cultural spectrum. The organizational structure of this course is chronological rather than topical, beginning with the writings of the earliest American explorers and ending with the contemporary works of American Postmodernism. Students' reading will be augmented by regular written work, vocabulary studies, graded discussions, and a research paper. Students will be able to interact with the ideas and movements of American literature, ideally seeing themselves as participants in the ongoing development of the American literary tradition. In addition, students will work to improve the clarity, directness, and precision of their writing. Readings will consist primarily of works of short fiction, poetry, and essays, but major novels will include Nathaniel Hawthorne's *The Scarlet Letter* and F. Scott Fitzgerald's *The Great Gatsby*.

Prerequisite: Recommendation of 10th grade English teacher, satisfactory and timely completion of the application process.

Course: 355P, 356P**AP® English 11: Language and Composition****Grade 11**

This course is designed to help students become effective readers and writers of non-fiction at the college level. Course time and materials are organized around 3 distinct objectives: 1) to offer students a classroom experience in high school that is similar in form, expectations, and discipline to what they will experience at the college level, 2) to satisfy the American literature component of the AACCS English curriculum by exploring the distinct themes and issues of American literary history, and 3) to prepare students for the AP® Language and Composition Exam. Assessments will consist of literary essays, in-class timed essays, class discussions, practice AP® exams, and periodic reading quizzes, and a research paper.

Prerequisite: Recommendation of 10th grade English teacher, satisfactory and timely completion of the application process.

Course: 361, 362**English 12: Themes in European Literature****Grade 12**

This course explores themes in European literature, focusing on major works like *Hamlet*, *Frankenstein*, and *1984*. After an opening unit on worldview, students spend the rest of the year engaging with these complex works of literature. This course invites students to discern and analyze the arguments and themes of these texts, and also to explore these themes through regular writing assignments. Vocabulary practice and graded discussions help students further improve the clarity, directness, and precision of their communication.

Course: 363H, 364H**Honors English 12: Survey in British Literature****Grade 12**

This honors-level course investigates several eras of British literature for an essential, shared characteristic that makes British literature distinct as well as what makes each text beautiful and enduring. The course includes the study of major works like *The Canterbury Tales*, *Paradise Lost*, *Hamlet*, *Frankenstein*, *Jane Eyre*, and *The Picture of Dorian Gray*, and augments these with shorter works on aesthetics. Students practice analytical writing and critical thinking as they explore and evaluate the arguments and the aesthetics of these texts. Students can expect frequent writing

assignments and regular vocabulary work, which will continue to refine the clarity, directness, and precision of their writing, and which aim to develop their own sense of voice.

Prerequisite: Recommendation of 11th grade English teacher, satisfactory and timely completion of application process.

Course: 365P, 366P

AP® English 12: Literature and Composition

Grade 12

Students in this course will interpret and evaluate novels, poems, and plays from a range of European authors including Dante, Shakespeare, and Mary Shelley in preparation for the AP® Exam. The course is aligned with the description offered by the College Board: “An AP® English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work’s structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone.” Students will write frequently, analyze independently, and discuss actively throughout the year.

Prerequisite: Recommendation of 11th grade English teacher, satisfactory and timely completion of application process.

Course: 341S

Research Writing

Grades: Spring of 11/Fall of 12

This one-semester course is designed to help students improve the fluency and organization of their writing. Students are placed in this class on the basis of teacher recommendation. Through in-class and out-of-class writing assignments, students will practice formulating, developing, and supporting ideas through clearly structured arguments. This process will reinforce both grammar and research skills, while giving students strategies for planning, drafting, and revising academic writing. Students will demonstrate their acquired skills by producing either the junior research paper in the spring or the senior practicum paper in the fall. Available: Junior (Spring) and/or Senior (Fall). While teacher recommendations are considered in placing students in this course, parent or student requests are welcome.

Course: SenPrac

Senior Practicum Research Writing

Grade 12

This full-year, half-credit course, also called “Senior Practicum,” is a guided independent study required for all seniors. Students identify a problem affecting our society, research and write a paper on the root causes of that problem, and then propose solutions. Students then engage in a relevant service project that in some way addresses their chosen problem. The course concludes with an oral presentation before a review board of what students have learned.

MATHEMATICS DEPARTMENT

MATH COURSES:

| Grade | Sem.1 | Sem.2 | Name of course | Core | Level and Credit | PreReq |
|-------|-------|-------|--------------------------|------|---------------------|--------|
| 9 | 629 | 630 | Algebra 1 Concepts | Core | 1 credit | Yes |
| 9 | 633 | 634 | Algebra 1 | Core | 1 credit | Yes |
| 10 | 661 | 662 | Geometry Concepts | Core | 1 credit | Yes |
| 9-11 | 653 | 654 | Geometry | Core | 1 credit | Yes |
| 9-10 | 655H | 656H | Honors Geometry | Core | Honors/ 1 credit | Yes |
| 11 | 693 | 694 | Algebra 2 Concepts | Core | 1 credit | Yes |
| 10-11 | 643 | 644 | Algebra 2 | Core | 1 credit | Yes |
| 9-10 | 647H | 648H | Honors Algebra 2 | Core | Honors/ 1credit | Yes |
| 11-12 | 663 | 664 | Algebra 3 | Core | 1 credit | Yes |
| 11-12 | 667 | 668 | Precalculus (Standard) | Core | 1 credit | Yes |
| 11-12 | 667H | 668H | Honors Precalculus | Core | Honors/ 1 credit | Yes |
| 12 | 669 | 670 | Introduction to Calculus | Core | 1 credit | Yes |
| 11-12 | 675P | 676P | AP® Calculus AB | Core | AP®/ 1credit | Yes |
| 12 | 691P | 692P | AP® Calculus BC | Core | AP®/1 credit | Yes |
| 12 | 683P | 684P | AP® Statistics | Core | AP®/1 credit | Yes |
| 12 | 689 | 690 | College Prep Algebra | Core | 1 credit | Yes |

ALL COURSES REQUIRE A TI-83 or -84 SERIES GRAPHING CALCULATOR.

* Concepts courses are robust courses that allow students to reach the goals and learning outcomes of the standard course *via a different path*. The Concepts courses employ differences primarily in **FORMAT** and **INSTRUCTION** to provide an opportunity for success. These differences include smaller class size, differentiated instruction, frequent hands-on in-class activities, regular presence of a teacher's aide to facilitate frequent group work and activities, removal of memorization requirements and shorter and more focused homework assignments to “chunk” the information. Due to differences in pace, there is a slight difference in course content between standard and concepts courses.

Below are suggested pathways for math. These are not “tracks”; movement between them is possible based on prerequisites.

| 8 th grade | 9 th grade | 10 th grade | 11 th grade | 12 th grade |
|--|-----------------------|------------------------|------------------------|---|
| Intro to Algebra (AACS) or Pre-Algebra (elsewhere) | Algebra 1 Concepts | Geometry Concepts | Algebra 2 Concepts | College Prep Algebra |
| Intro to Algebra (AACS) or Pre-Algebra (elsewhere) | Algebra 1 | Geometry | Algebra 2 | College Prep Algebra or Algebra 3 |
| Algebra 1 | Geometry | Algebra 2 | Algebra 3 | Precalculus |
| Algebra 1 | Geometry | Algebra 2 | Precalculus | Introduction to Calculus or AP [®] Statistics |
| Algebra 1 | Honors Geometry | Honors Algebra 2 | Honors Precalculus | AP [®] Calculus AB Or AP [®] Statistics |
| Geometry | Honors Algebra 2 | Honors Precalculus | AP Calculus AB | AP [®] Calculus BC or AP [®] Statistics |

Course: 629, 630

Algebra 1 Concepts

Grade 9

This course builds from and reinforces pre-algebra mathematical skills, and develops proficiency in the foundational algebraic concepts that are the gateway to success in future math courses. Algebra 1 content and skills are presented and developed, along with greater comfort with the abstract aspects of algebra. Tenacity and problem-solving skills grow along the way. Topics include operations with real numbers and algebraic expressions (review), solving single variable equations (one-, two-, and multi-step), proportions, percents, linear inequalities (graphs, solving), functions, linear functions (slope, slope-intercept form, point-slope form, standard form, parallel & perpendicular lines), systems of equations, exponents, polynomials and factoring, and quadratic functions (graphing with transformations, and solving equations). This course leads to Geometry Concepts or the standard Geometry course. This course is designed to provide an avenue for success for those students finding significant challenge in current Pre-Algebra or Intro to Algebra courses.

Prerequisite: 65% or above in Intro to Algebra or other pre-Algebra 1 level course.

Course: 633, 634

Algebra 1

Grade 9

Algebra concepts, reasoning, tenacity and problem-solving skills are developed. Topics include algebraic expressions, solving single variable equations and inequalities, rational expressions and polynomials, factoring, graphing linear equations, solving linear equations and inequalities (algebraically and graphically), solving systems of equations and inequalities (two-variables), proportions and percents, exponents and radicals, functions, linear functions (slope, various forms of equations, parallel and perpendicular lines), polynomials and factoring, quadratic functions (including graphing, transformations, and solving equations), modeling, and statistical concepts. This course is a critical foundation to future math courses. **Prerequisite:** 75% or above in Intro to Algebra or other pre-Algebra level course.

Course: 661, 662

Geometry Concepts

Grade 10

This course presents the essential components of Geometry, including properties and relationships among points, lines, planes, reasoning and proofs, parallel and perpendicular lines, triangles, quadrilaterals, similarity, right triangles, transformations, coordinate geometry, circles, and two- and three-dimensional objects. Algebra applications complement the geometry concepts throughout the course. This course is designed to provide an avenue for success for those students finding success in Algebra 1 Concepts, or for those finding significant challenges in Algebra 1.

Prerequisite: 70% or above in Algebra 1 Concepts or Algebra 1.

Course: 653, 654

Geometry

Grades 9 – 11

This course presents the standard components of Geometry, including properties and relationships among points, lines, planes, reasoning and proofs, parallel and perpendicular lines, triangles, quadrilaterals, similarity, transformations, coordinate geometry, constructions, right triangles and trigonometry, circles, and two- and three-dimensional objects. Algebra applications complement the geometry concepts throughout the course. Emphasis in this course is placed on more detailed and complex problems than the concepts level course.

Prerequisite: 75% or above in Algebra 1 or 90% or above in Algebra 1 Concepts.

Course: 655H, 656H

Honors Geometry

Grade 9 – 10

This course covers the same content as the standard Geometry course, and emphasizes developing an argument through writing proofs and using reasoning and logic skills. Also highlighted are evaluating geometric relationships, trigonometry, constructions, transformations, circles, and applications. Algebra applications complement the geometry concepts throughout the course. Emphasis in this course is placed on more detailed and complex problems requiring critical thinking and synthesis of concepts taught.

Prerequisite: 90% or above in Algebra 1 and teacher recommendation.

Course: 693, 694

Algebra 2 Concepts

Grades 11

This course presents expressions, linear equations, inequalities, compound inequalities, functions, graphing, modeling, transformations of graphs, 2-variable linear systems, quadratic functions and equations, polynomial functions, radical functions and rational exponents, and probability & statistics. This course consolidates and extends algebraic skills and applies these to a variety of challenging problems.

Prerequisite: 70% or above in Geometry Concepts or Geometry.

Course: 643, 644

Algebra 2

Grades 10 – 11

Algebra 2 consolidates and extends algebraic skills and develops an understanding of how to handle a variety of complex problems with algebra. Topics include expressions, linear equations, linear and quadratic inequalities, functions (including absolute value functions), graphing, modeling, transformations of graphs, 2- and 3-variable linear systems as well as quadratic systems of equations and inequalities, quadratic functions and equations, polynomial functions, radical functions and rational exponents, exponential and logarithmic functions, rational functions, and probability and statistics. Algebra 2 is an important course for college-oriented students.

Prerequisite: 75% or above in Geometry or 90% or above in Geometry Concepts

Course: 647H, 648H

Honors Algebra 2

Grades 9 – 10

Honors Algebra 2 consolidates and extends algebraic skills and develops an understanding of how to handle a variety of complex problems with algebra. Included are all the topics covered in Algebra 2, as well as conic sections, matrices, and sequences and series.

Prerequisite: 80% or above in Honors Geometry and teacher recommendation, or 90% or above in Geometry and teacher recommendation.

Course: 663, 664

Algebra 3

Grade 11

This course follows Algebra 2, and serves as a Junior-level “bridge” to either College Prep Algebra or Precalculus for seniors, depending on a student’s interests and aptitude. Included in this curriculum are rational functions, sequences and series, probability and statistics with other data analysis, conic sections, matrices, vectors, and an introduction to radian measure and the fundamentals of trigonometry and periodic functions.

Prerequisite: 70% or above in Algebra 2.

Course: 689, 690

College Prep Algebra

Grades 12

This course is for rising seniors ONLY, focused on first year college math, including the topic content of numerous college math placement tests, and the SAT and ACT standardized tests. The course serves to strengthen and extend algebra and geometry skills, as well as probability, statistics and data analysis; sequences and series; polynomial and rational functions; exponential and logarithmic functions; systems of equations; and matrices and determinants. Strategies and practice related to the college placement, SAT, and ACT tests are included.

Prerequisite: 70% or above in Algebra 2 Concepts, Algebra 2, or Algebra 3.

Course: 667, 668

Precalculus

Grades 11 – 12

This fast-paced course is designed to prepare students for college calculus or an introductory calculus course. With an emphasis on graphing and the connection between numeric/verbal/mathematical/graphical representations, the course explores properties of functions and their graphs, polynomial and rational functions, common and natural logarithms and functions, exponential functions, sequences & series, probability, and extensive coverage of trigonometry, including periodic functions/graphs/transformations, radian measure, trig identities, trig ratios, trig equations and the Laws of Sines and Cosines.

Prerequisite: 90% or above in Algebra 2 and teacher recommendation, or 80% or above in Algebra 3. The fast pace of the course and the need to prepare/review during the prior summer are key considerations.

Course: 667H, 668H

Honors Precalculus

Grades 11 – 12

This course is designed to prepare students for college calculus or AP Calculus AB. With an emphasis on graphing and the connection between numeric/verbal/mathematical/graphical representations, the course explores properties of functions and their graphs, polynomial and rational functions, trigonometry, common and natural logarithms and functions, exponential functions, sequences & series, probability, polar graphs, vectors, more in-depth exploration of portions of analytical geometry as they relate to future calculus content, and extensive coverage of trigonometry, including periodic functions/graphs/transformations, radian measure, trig identities, trig ratios, trig equations and the Laws of Sines and Cosines.

Prerequisite: 80% or above in Honors Algebra 2 and teacher recommendation, or 93% or above in Algebra 2 and teacher recommendation. The fast pace of the course and the need to prepare/review during the prior summer are key considerations (*additional* summer work is mandatory for students desiring to transition from Algebra 2 to Honors Precalculus).

Course: 669, 670

Introduction to Calculus

Grade 12

This course is designed for rising seniors that have completed Precalculus or Honors Precalculus, to serve as an alternative to AP® Calculus AB. The course includes an introduction to the calculus concepts of limits, integration, and differentiation, with applications.

Prerequisite: 75% or above in Precalculus.

Course: 675P, 676P

AP® Calculus AB

Grade 11 – 12

This course presents the concepts of limits, differentiation and integration; these are presented graphically, numerically, analytically and verbally. The course focuses on the basic concrete and abstract aspects of the mathematical processes used in a first level college calculus class. Derivatives and integrals are applied to real life settings such as science and economics. All students are required to take a practice AP® exam in March or April and take the College Board AP® Calculus AB exam in May. **Prerequisite:** 80% or above in Honors Precalculus and teacher recommendation, or 93% or above in standard Precalculus and teacher recommendation.

Course 691P, 692P

AP® Calculus BC

Grade 12

The AP® Calculus BC course is an extension of and a follow-on to AP® Calculus AB that covers all of the topics taught in two semesters of typical college calculus courses, and prepares students to take the AP® Calculus BC exam. In addition to reviewing all of the topics from AP® Calculus AB, students learn additional applications of integration, advanced methods of integration, power series representations of functions, and the calculus of parametric, polar, and vector-valued functions.

Prerequisite: 80% or above in AP® Calc AB and teacher recommendation.

Course: 683P, 684P

AP® Statistics

Grades 11 & 12

AP® Statistics is a non-calculus based course that introduces students to the fundamental concepts in probability and statistics. Topics covered in the course include sampling techniques, data display, sampling theory, probability distributions, and regression and correlation analysis. Reliability analysis through hypothesis testing and confidence intervals is introduced in the course through applications to real life problems in economics, business and industrial contexts. All students are required to take a practice AP® exam in April and the College Board AP® Statistics exam in May.

Prerequisites: 80% or above in Algebra 2 or 72% or above in Honors Algebra 2 and current math teacher's recommendation; should also have earned 80% or higher in English 11.

SCIENCE DEPARTMENT

SCIENCE COURSES:

| Grade | Sem.1 | Sem.2 | Name of course | Core | Level and Credit | PreReq |
|--------|-------|-------|-------------------------------|------|------------------|----------------------|
| 9 | 833 | 834 | Environmental & Earth Science | Core | 1 credit | |
| 9-10 | 841 | 842 | Biology | Core | 1 credit | 9 th -Yes |
| 9-10 | 839H | 840H | Honors Biology | Core | 1 credit | Yes |
| 11-12 | 851 | 852 | Applied Science | Core | 1 credit | |
| 11-12 | 853 | 854 | Anatomy and Physiology | Core | 1 credit | Yes |
| 11-12 | 863H | 864H | Honors Anatomy and Physiology | Core | Honors/ 1 credit | Yes |
| 10-12 | 855 | 856 | Chemistry | Core | 1 credit | Yes |
| 10-12 | 857H | 858H | Honors Chemistry | Core | Honors/ 1 credit | Yes |
| 11-12 | 869P | 870P | AP® Chemistry | Core | AP®/ 1 credit | Yes |
| 11-12 | 865 | 866 | Fundamentals of Physics | Core | 1 credit | Yes |
| 11- 12 | 867P | 868P | AP® Physics 1 | Core | AP®/1 credit | Yes |
| 11-12 | 843P | 844P | AP® Biology | Core | AP®/ 1 credit | Yes |

Below are suggested pathways for science (3 or more credits)

| 9 th grade | 10 th grade | 11 th grade | 12 th grade |
|---------------------------|-------------------------------|---|-----------------------------|
| Environmental Science | Biology Honors Biology | Applied Science | Anatomy & Physiology |
| | | Chemistry | Honors Anatomy & Physiology |
| | | Honors Chemistry | AP® Biology |
| | | Anatomy & Physiology | Fundamentals of Physics |
| | | | AP® Physics 1 |
| Biology Honors Biology | Chemistry Honors Chemistry | Honors Anatomy & Physiology | AP® Chemistry |
| | | | Fundamentals of Physics |
| | | | AP® Physics 1 |
| | | Fundamentals of Physics Or AP® Physics 1 | AP® Biology |
| | | | AP® Chemistry |
| | | | Anatomy & Physiology |
| | | | Honors Anatomy & Physiology |
| | | AP® Biology | AP® Physics 1 |
| | | | AP® Chemistry |
| | | | Anatomy & Physiology |
| | Honors Anatomy & Physiology | | |
| | Fundamentals of Physics | | |
| | AP® Physics 1 | | |
| | AP® Chemistry | | |

Course: 833, 834

Environmental and Earth Science

Grade 9

Being good stewards over the earth fulfills the first command in scripture. This course is designed to help students become good stewards over the creatures, plants, and the resources of this earth. Using field data, in-class laboratory assignments, and projects along with information presented in the class, the students will learn to appreciate God's creation and to manage it wisely. Topics include the ecosystems, biomes, biodiversity, populations, plate tectonics, atmosphere, minerals and renewable and nonrenewable resources.

Course: 841, 842

Biology

Grades 9-10

This class is a survey of introductory biological concepts such as scientific inquiry, cells, cell metabolism and functions, Mendelian and molecular genetics, creation and evolution, biological kingdoms, comparative plant and animal anatomy and physiology, and ecology. Throughout the year, Christian worldviews will be applied to the concepts. Laboratory investigations with laboratory reports are an integral part of this course, including dissections.

Prerequisite: Concurrent enrollment in Geometry; teacher recommendation for freshman.

Course: 839H, 840H

Honors Biology

Grades 9-10

A fast-paced class with in-depth reading assignments and laboratory exercises, Honors Biology covers the same order and general information as General Biology with more thought-provoking applications and more difficult material. Inquiry based discussions and material will be the foundations of this class. This class provides good foundations for Honors and Advanced Placement® classes.

Prerequisite: Concurrent Honors Geometry, or recommendation from previous science teacher

Course: 851,852

Applied Science

Grades 11-12

Applied science is a lab course designed to show students the science they see every day. Topics include (but are not limited to) chemistry concepts, physics concepts, meteorology, forensic science, geology, the science of cooking, and the combustion engine. Additional topics where student interest is high can be included, such as animal husbandry or gardening. This is an excellent choice for the student who may not be ready for a full chemistry or physics class but would like to expand their knowledge of God's creation! An excellent third science course that does not include a high math requirement.

Prerequisite: Biology

Course: 853, 854

Anatomy and Physiology

Grades 11-12

This class involves studying the structure and function of the parts of the human body. Topics include an introduction to the human body, organization of the human body, a review of basic chemistry and cell structure and function, human tissues, skin, the skeletal system, human

musculature, the nervous system, special senses the endocrine system, cardiovascular system, lymphatic, digestive, urinary, and reproductive systems.

Dissections are essential to this class and are required for completion of the course. Dissections include the sheep brain, cow eye, sheep heart, and a rat. Students are required to participate in dissections.

Prerequisite: Biology

Course: 863H, 864H

Honors Anatomy and Physiology

Grades 11-12

This course is designed to be a more rigorous introductory course in human anatomy and physiology. Topics include organization of the human body, organic chemistry, a review of cell structure and function, human tissues, skin, the skeletal system, human musculature, the nervous system, somatic and special senses the endocrine system, cardiovascular system, lymphatic, digestive, urinary, and reproductive systems.

Intensive reading and writing with additional class and homework is expected. Students will perform multiple organ dissections of the brain, heart, eye and a cat.

Prerequisite: Honors Chemistry or General Chemistry with teacher recommendation.

Course: 855, 856

Chemistry

Grades 10-12

Chemistry is lab-based course designed to give students a solid foundation in chemistry and help them to see and experience the intricacy, detail and order of God's creation. This course will focus on an atomic and molecular level study of the world as we explore the vital role that chemistry plays in students' daily lives. We will discuss topics such as atomic structure, states of matter, the periodic table, solutions, chemical reactions, chemical bonding, thermodynamics, gas laws, and acid-base chemistry. This course will place a strong emphasis on the continual development of critical thinking and problem solving skills. The laboratory portion of the class will provide hands on experience to help students become confident with the tools and techniques commonly used in the lab environment as well as give students the opportunity to analyze and interpret data, communicate scientific conclusions, and connect those conclusions to the larger context of the world of chemistry all around them.

Prerequisite: Biology and completion of or enrollment in Algebra 2

Course: 857H, 858H

Honors Chemistry

Grades 10-12

Honors Chemistry is an advanced course designed to meet the needs of students who have shown both a proficiency, and enthusiasm for understanding the details of God's creation. This course will focus on an atomic and molecular level study of the world as we explore the vital role that chemistry plays in students' daily lives. We will discuss topics such as atomic structure, states of matter, the periodic table, solutions, chemical reactions, chemical bonding, thermodynamics, chemical gas laws, acid-base chemistry and chemical kinetics. The course will also include an introduction to organic, biochemical and nuclear chemistry. Quantitative calculations using balanced chemical equations are a

major emphasis in both the lecture and laboratory portion of the course, so students ought to have a proficient knowledge of algebra, as well as strong writing and problem solving skills. The laboratory portion of the class will provide hands on experience to help students become confident with the tools and techniques commonly used in the lab environment. Through both laboratory work and additional outside independent reading, students will be challenged to learn how to more effectively analyze and interpret data, communicate scientific conclusions, and connect those conclusions to the larger context of the world of chemistry all around them.

Prerequisite: Honors Biology recommended, Biology and completion of or enrollment in Honors Algebra II or Algebra II with recommendation.

Course: 869P, 870P

AP® Chemistry

Grades 11-12

AP® Chemistry is equivalent to a college level general chemistry course that provides rigorous study in four major areas: structure of matter, states of matter, reaction and descriptive chemistry. Students must be highly motivated to tackle this rigorous course. At the end of the year, students will take the Advanced Placement® Examination for potential college credit. Students taking this course may be required to complete laboratory work outside of the regular class time. The student will demonstrate a basic understanding of, and the ability to apply, mathematical solutions to problems involving atomic theory and structures, chemical bonding, nuclear chemistry, kinetic theory, solutions, reaction types, stoichiometry, equilibrium, kinetic, thermodynamics, and descriptive chemistry. Evaluation is based on homework, lab reports and tests. Much of the class is “out of class homework” and in class lab based work.

Prerequisite: Honors Chemistry strongly recommended ; chemistry with teacher recommendation , application required.

Course: 865, 866

Fundamentals of Physics

Grades 10-12

Fundamentals of Physics is a survey course that serves as an introduction to traditional physics content over a wide range of topics. Topics include mechanics, fluids, thermodynamics, waves, optics, and selected material in modern physics. This course is mathematics based and seeks to develop conceptual and problem solving skills enriched through a variety of laboratory experiences. Students are expected to be proficient in Algebraic and basic trigonometric functions. The course is designed for any student interested in the physical sciences or simply curious about the explanations behind the natural phenomena of everyday life.

Prerequisites: Students must be at least concurrently enrolled in Algebra II. Completion of chemistry is required. Proficiency in Algebra needed.

Course: 867P, 868P

AP® Physics 1

Grades 11-12

This course is designed for the strong math/science student interested in physics at a deeper level. AP® Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as kinematics, Newtonian mechanics (including rotational motion, work, energy, power and momentum); rotational equilibrium and dynamics; mechanical waves and sound; and introductory

electric forces, current, and simple circuits. Through inquiry-based learning, including approximately 25% of time dedicated to labs, students will develop scientific critical thinking and problem solving skills. The course is structured around six “big ideas” of physics, which encompass core scientific principles, theories, and processes that emphasize enduring understandings, essential knowledge and science practices to cut across traditional boundaries and provide a broad and connected way of thinking about the physical world.

Prerequisites: At least concurrently enrolled in Precalculus; completion of a chemistry course, and teacher recommendation.

Course: 843P, 844P

AP® Biology

Grades 11-12

An intensive course equivalent to an introductory college biology course, AP® Biology offers students an in-depth examination into main biological concepts that build upon those learned in Introductory Biology. A minimum of 12 laboratory investigations must be completed in preparation for the AP® exam in May. Students taking AP® Biology must be prepared for outside reading and laboratory work that requires time outside of class (mornings, afternoon, or possibly weekends). Students must have a good work ethic.

Prerequisite: A minimum B average in Chemistry, and teacher recommendation

SOCIAL STUDIES DEPARTMENT

SOCIAL STUDIES COURSES:

| Grade | Sem.1 | Sem.2 | Name of course | Core | Level and Credit | PreReq |
|-------|-------|-------|--------------------------------------|------|-------------------|--------|
| 9 | 931S | | Origins of Western Civilization | Core | .5 credit | |
| 10 | 941 | 942 | World History | Core | 1 credit | |
| 10 | 943H | 944H | Honors European History | Core | Honors/ 1 credit | Yes |
| 10* | 949H | 950H | Modern Western Thought & Development | Core | Honors/ 2 credits | Yes |
| 10-12 | 968 | | Understanding Different Cultures | Core | .5 credit | |
| 11 | 951 | 952 | United States History | Core | 1 credit | |
| 11 | 953H | 954H | Honors United States History | Core | Honors/1 credit | Yes |
| 11 | 955P | 956P | AP® United States History | Core | AP®/ 1 credit | Yes |
| 11-12 | 962S | | Criminal Justice | Core | .5 credit | |
| 12 | | 960S | American Government | Core | .5 credit | |
| 12 | 961S | 961S | World Geography and Cultures | Core | .5 credit | |
| 12 | 969P | 970P | AP® American Government & Politics | Core | AP®/ 1 credit | Yes |
| 11-12 | 959S | | Economics | Core | .5 credit | Yes |
| 11-12 | 957S | | African American History | Core | .5 credit | |

NOTE: 3.0 social studies credits in total are required for graduation, including at least 1 credit in world history, 1 credit in US history, and 0.5 credit in American government.

Course: 931S

Origins of Western Civilization

Grade 9

This fall semester course will provide a historical introduction to and trace the development of Western Civilization from Creation to the Early Middle Ages; will focus on the implementation of God’s sovereign plan for humankind and emphasize the major events, people, and societies that impacted the evolution of Western ideas and societal structure; course incorporates tests, quizzes, research projects, classroom activities, and homework assignments as its basis of assessment. Whenever possible, other enrichment opportunities will be included to further student’s understanding of the subject matter.

Course: 941, 942

World History

Grade 10

The course focuses on the emergence of modern nations, exploration, expansion, and revolution. The course deals with reform, nationalism and imperialism in Europe, Asia, Africa and Latin America, pursuing a chronological and regional emphasis. Moving into the 20th century, the course discusses the causes and effects of major events – World War I, the Great Depression, the rise of totalitarianism, World War II, the Cold War and the issues of the post-modernist. The historical impact of religion, especially Christianity, is emphasized throughout the course.

Course: 943H, 944H

Honors European History

Grade 10

The course initially addresses the impact of the classical Western Civilization on the development of Europe. The course then traces the evolution of Europe from the Classical Era to the Middle Ages. The course then deals with the Renaissance and Reformation and the changes they brought to European thinking. European exploration, Revolution and the Age of Imperialism propels the course into the 20th century. Discussion of the causes and effects of the major events of the 20th century –World War I, the Great Depression, the Rise of Totalitarianism, World War II, the Cold War, and the issues of the post-modernist society round out the course. Throughout the course, thematic issues will be introduced and analyzed. Multi-disciplined areas of study will be integrated into the class. Various research assignments are required.

Prerequisite: Teacher recommendation

Course: 949H, 950H

Modern Western Thought and Development

Grade 10

This course integrates the study of literature and history. The class meets for two consecutive periods each day, yielding one credit each in history and in English, and carries an honors weighting. It is team-taught by an English teacher and a history teacher, both of whom expect a high level of discussion and thoughtful writing on topics and major themes dating from ancient Greece and Rome through the 20th century. This course emphasizes the connections among disciplines, encouraging an understanding of western tradition and prompting inquiry into the ideas and movements that developed in western society from the classical and medieval periods, through the Enlightenment, and into the modern era.

Prerequisite: Teacher recommendation and overall GPA of 3.0 by end of freshman year

Course: 951, 952

United States History

Grade 11

A short overview of U.S. history from exploration/colonization through the Civil War introduces this course. The greater concentration, however, is on U.S. history after 1865. The units of study include the periods of the Reconstruction, the Industrial Revolution, the Age of Imperialism, the Roaring Twenties, the Great Depression and New Deal, World War II, the Cold War, new issues in American society, Vietnam, conservation and conservatism, and the U.S. movement into the 21st century. The study includes literature studies as well as fine arts (music, film, and art) reflections throughout the year. Written assignments involve critical thinking skills and interpretation and analysis of primary source documents.

Course: 953H, 954H

Honors United States History

Grade 11

Designed for the college-bound or the student who seeks a challenging academic curriculum in United States history. The year-long study covers American History from the earliest Americans into the 21st Century emphasizing study according to the social, cultural, ethnic, intellectual, economic, political, military, technological, and diplomatic themes with major emphasis on the development of American ideals and institutions. This one-year course designed for highly motivated students and

provides the opportunity for the development of critical thinking skills and concepts. The emphasis will be placed on research and writing to prepare the students for a successful college experience in U.S. History.

Prerequisite: Teacher recommendation

Course: 955P, 956P

AP® United States History

Grade 11

Advanced Placement® United States History is a two-semester examination of American history from the paleo-American era to the present. Solid reading and writing skills, along with a willingness to devote considerable time to reading and study, are essential to succeed. Emphasis is placed on critical, analytical, and evaluative thinking skills, essay writing, interpretation of primary sources, and historiography. The course also includes literature studies as well as fine arts (music, film, and art) reflections throughout the year. Students take the Advanced Placement® United States History exam in May. A summer reading project, supplemental readings throughout the year, and research projects are required.

Prerequisite: Teacher recommendation

Course: 960S

American Government

Grade 12

This course is designed to give students a critical perspective on government and politics in the United States. This course involves both the study of general concepts and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that make up the political life in the United States. This course, or AP® Government, is required for graduation.

Course: 969P, 970P

AP® American Government/Politics

Grade 12

The course will give the students an analytical perspective on government and politics in the United States. The course includes both the study of general concepts used to interpret U.S. politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics. Students become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes.

Topics covered: Constitutional underpinnings of U.S. government, political beliefs and behaviors, political parties, interest groups and mass media, institutions of national government, public policy, and civil liberties and civil rights. The acquisition of a thorough and systematic comprehension of U.S. government and politics requires that students learn facts and concepts and understand typical political processes. Students are also required to interpret basic data relevant to government and politics in sustained written arguments.

Prerequisite: Teacher recommendation

SOCIAL STUDIES ELECTIVE COURSES:

Course 968 Understanding Different Cultures Grades 10-12

This one-semester elective is open to all students but is required for all international students to take once before graduation. The course presents a biblical framework for cultural differences, and helps students adjust their definition of “normal.” Students will learn to recognize unique features of their own native culture and develop an appreciation for aspects of other world cultures. Building healthy relationships with others of different cultures will be a central goal.

Course 957S African American History Grades 11-12

This one semester course reviews the essential facts of African American history in America. After a brief consideration of ancient African beginnings, the course will devote itself to the development of African Americans in America. The course will interpret critically the forces and personalities that have shaped the history. The course will look at the interaction of African Americans and the American environment. Lastly, students will be exposed to African American literature and music.

Course: 962S Criminal Justice Grades 11-12

The course presents an overview of the American justice system and how it attempts to deal with crime, and the justice system’s goals, strengths, and weaknesses. The units of study will explore topics such as the legal definitions of criminal acts, police on the job, legal limitations on police conduct, the nature of punishment in American society, the causes of juvenile delinquency, and attempts to reduce crime. The course will include debates on the sentencing process, capital punishment, and other relevant topics; a unit simulating the full range of criminal pretrial and courtroom procedures; and other activities designed to focus attention on social and legal aspects of criminal justice.

Course: 959S Economics Grade 12

Everyone is an economist. Each day we make allocation decisions on scarce resources such as time, attention, and money. In this course students look at the concepts that frame these decisions, the foundations of economic thought. Students will examine how these concepts work on an individual level, how they interact in an organization, and how they guide exchanges between individuals and

organizations. An introduction will also be given to the concepts and vocabulary of economics at the macro level, the realm of national economies, governments, and international trade.

Prerequisite: completion of Algebra 2 with 90%, or teacher permission.

Course: 961S

World Geography and Cultures

Grade 12

This one-semester survey of world geography focuses primarily on basic geographic principles and on the 5 themes of geography. Areas of study include landforms, climate, vegetation, culture, population, political location and the regional geography of countries. The relationship between major landforms, bodies of water, climate and the countries of the world is also emphasized. It is a goal of the course that the student will have a working knowledge of the geography of our earth as she/he prepares to enter post-high activities.

Note: This course may not be offered every year.

WORLD LANGUAGES DEPARTMENT

WORLD LANGUAGE COURSES:

| Grade | Sem.1 | Sem.2 | Name of course | Core | Level and Credit | PreReq |
|-------|-------|-------|------------------------------------|------|------------------|--------|
| 9-11 | 551 | 552 | American Sign Language I (ASL I) | Core | 1 credit | |
| 10-12 | 553 | 554 | American Sign Language II (ASL II) | Core | 1 credit | |
| 9-10 | 513 | 514 | Spanish I | Core | 1 credit | |
| 9-11 | 523 | 524 | Spanish II | Core | 1 credit | Yes |
| 9-11 | 525H | 526H | Honors Spanish II | Core | Honors/1 credit | Yes |
| 10-12 | 533 | 534 | Spanish III | Core | 1 credit | Yes |
| 10-12 | 549H | 550H | Honors Spanish III | Core | Honors/1 credit | Yes |
| 11-12 | 537H | 538H | Honors Pre-AP Spanish IV | Core | Honors/ 1 credit | Yes |
| 12 | 545P | 546P | AP® Spanish Language and Culture | Core | AP/ 1credit | Yes |

Any incoming student desiring to enter the Foreign Language Program above Level I will have to take an Entrance Placement Test through the Guidance Office and receive Foreign Language Departmental approval.

Also, we recommend that freshmen taking Intro to Academic Writing postpone Foreign Language courses until their sophomore year.

Other foreign language options are offered online through our partner school Sevenstar Academy: French, German and Latin (levels I-III), and Chinese (levels I and II). These courses carry an additional fee of approximately \$750 per year.

Course: 551, 552 **American Sign Language I (ASL I)** **Grades 9-11**

This course provides an introduction to American Sign Language (ASL). Students will learn to communicate and comprehend using basic vocabulary, sentence construction and common phrases. In addition, students enrolled in ASL can expect to gain a better understanding of the deaf culture.

Course: 553, 554 **American Sign Language II (ASL II)** **Grades 10-12**

ASL II is designed to build upon the language skills learned in ASL I and continue the development of ASL expressive and receptive skills, grammar, and cultural awareness. Students can expect to increase vocabulary, use ASL in a variety of settings, increase their knowledge of Deaf history and converse easily within the Deaf community.

Prerequisite: A minimum final grade of C- in ASL I from AACCS or recommendation of teacher

Course: 513, 514 **Spanish I** **Grades 9-10**

Spanish I offers an introduction into Spanish grammar and vocabulary, with practice in the four elements of listening, speaking, reading and writing. Spanish I encourages cultural awareness through information on the geography and people of Spain and Latin America. At this level the student will begin to understand the importance of speaking a second language.

Course: 523, 524 **Spanish II** **Grades 9-11**

Spanish II continues the study of Spanish through the intermediate stages of grammar, including several more verb tenses and their structural patterns. The skills of listening, speaking, reading, and writing are practiced through situational exercises and activities. Cultural emphasis continues through

glimpses into the life and surroundings of young people in the Spanish-speaking world. At this level the student will begin to develop an awareness and empathy for other cultures.

Prerequisite: A minimum final grade of **C-** in Spanish I from AACCS or recommendation of teacher

Course: 525H, 526H

Honors Spanish II

Grades 9-11

Honors Spanish II continues the learning of Spanish through an intense level of intermediate to advanced study, with a focus on writing and speaking as well as a higher level of reading and listening. Cultural emphasis continues through studies and comparisons of the lifestyles and surroundings of people in the Spanish-speaking world. At this level the student will develop the ability to communicate at a basic level of Spanish.

Prerequisite: A minimum final grade of **B** in Spanish I from AACCS or recommendation of teacher

Course: 533, 534

Spanish III

Grades 10-12

Spanish III continues the study of Spanish through the advanced stages of grammar, emphasizing the subjunctive mood. The skills of listening, speaking, advanced reading comprehension, and writing are practiced through situational activities on a more advanced level. Cultural emphasis continues through glimpses into the life and surroundings of young people in the Spanish-speaking world. At this level the student will learn to express his faith in the target language in a way that is culturally meaningful.

Prerequisite: A minimum final grade of **C** in Span. II from AACCS or recommendation of the teacher

Course: 549H, 550H

Honors Spanish III

Grades 10-12

Honor Spanish III continues the study of Spanish through the advanced stages of grammar, emphasizing the subjunctive mood. Intense focus on communication skills allows students to incorporate grammar concepts in context. Cultural comparisons, simulated conversations and oral and written presentations allow students to communicate more effectively in Spanish.

Prerequisite: A minimum final grade of **B** in Span. II from AACCS or recommendation of the teacher

Course: 537H, 538H

Honors Pre-AP® Spanish IV

Grades 11-12

Further language study includes new grammar concepts as well as advanced grammar review. Classic and contemporary reading selections are used to strengthen vocabulary and syntax. This is a course designed to prepare students for AP Spanish Language and Culture and includes preparatory AP activities. Students considering AP Spanish must take this course.

Prerequisite: A minimum final grade of **B** in Honors Spanish II from AACCS or recommendation of the teacher

Course: 545P, 546P

AP® Spanish Language and Culture

Grade 12

AP Spanish Language and Culture continues with an emphasis on communication, being conducted almost entirely in Spanish. This college-level class incorporates an in-depth look at Spanish-speaking cultures with elements of listening, writing and speaking. Classic and contemporary reading selections are used to strengthen vocabulary and syntax. The students will learn how to use language to impact and influence culture through a biblical worldview. Students are required to take the AP® Spanish exam in May. **Prerequisite:** A minimum final grade of **B** in

TECHNOLOGY DEPARTMENT

TECHNOLOGY COURSES (Note: 3 courses are described under Fine Arts)

| Grade | Sem.1 | Sem.2 | Name of course | Core | Level and Credit | PreReq |
|-------|-------|-------|--|------|------------------|--------|
| 9 | 231 | 231 | Foundations of Technology | Core | .5 Technology | |
| 10-12 | 233S | 233S | Introduction to Engineering | Core | .5 Technology | |
| 10-12 | 236S | 236S | Engineering 2 | Core | .5 Technology | Yes |
| 11-12 | 250S | 250S | Engineering 3 | Core | .5 Technology | Yes |
| 9-12 | 270 | | Introduction to Programming | Core | .5 Technology | Yes |
| 10-12 | 273S | 273S | Web-Based Applications | Core | .5 Technology | |
| 10-12 | | 274H | Honors Java Programming | Core | .5 Technology | Yes |
| 11-12 | 255S | | Personal Finance | Core | .5 Technology | |
| 10-12 | 418T | | Graphic Design/Photoshop (listed in Fine Arts) | | .5 Technology | Yes |
| 10-12 | | 420T | Digital Studio (listed in Fine Arts) | | .5 Technology | Yes |
| 9-12 | 485T | 485T | Media Technologies (listed in Fine Arts) | | .5 Technology | |

Course: 231

Foundations of Technology

Grade 9

This course presents a multi-faceted collection of skills and information for both understanding and applying technology. The course begins with an overview of technology – its history, benefits, and shortcomings, along with assessing technology and its implications to global society. This is followed by hands-on practice with measurements, unit conversions, and applications to math and science. Subsequent project-based units include: use of Excel for formulas, calculations, etc.; use of PowerPoint; video making (various software used); bridge design (using West Point Bridge Designer); lab experiments in mechanical engineering (e.g., stress/ strain) and applying the data to an engineering design concept; computer-aided design (CAD) drafting using Google Sketch Up in which the students design a house. These problem-solving units provide students with an introduction to the world of STEM careers.

Course 233S

Introduction to Engineering

Grades 10-12

This is a one-semester elective course designed for students exploring the world of engineering and technical careers. Students learn about the major areas of engineering (aeronautical, mechanical, automotive, electrical, robotics, along with chemical, civil/environmental, nuclear) through hands-on design projects and guest speakers from industry. The projects include airplane design, mechanical drawing, vehicle design, “simple machines” construction, electrical engineering applications, and robotics controls introduction. These students support the Engineering 2 students with their capstone project in hosting, designing and executing a “STEM Day” for the AACCS Severn and Annapolis Lower Schools’ students.

Course 236S**Engineering 2****Grades 10-12**

This advanced elective course dives deeper into aspects and components of engineering, including AutoCAD; biomechanical, aeronautical and electrical engineering; and video game production. The content is more math-intensive; the general approach is one of open-ended problem-solving via hands-on projects. Projects include designing a human prosthetic device, a more advanced airplane design, and design of a “green” house. 3-D printing capabilities enhance the students’ design experience. This course culminates in the design and execution of a “STEM Day” for the AACCS Severn and Annapolis Lower Schools’ students.

Prerequisite: Introduction to Engineering

Course 250S**Engineering 3****Grades 11-12**

This course builds upon the skills and content of Engineering 2. The course consists of three units presented alongside a semester-long design & build project that solves a real world problem. The project requires students to research, plan for costs, materials acquisition, logistics, regulatory compliance, etc. while establishing and working through a timeline, developing the charts necessary to track this information, and proceeds through design, construction, and installation. A final presentation to the organizations involved in the project is included. The three units augment information from Engineering 2, and expand into areas including drones and flight simulation, and may include areas such as statics, dynamics, materials science, and/or home wiring, particularly as they apply to the project.

Prerequisite: Engineering 2

Course: 270**Introduction to Programming****Grades 9-12**

The Introduction to Programming is a lab-oriented course designed to teach students the fundamentals of object-oriented programming and larger concepts of programming. The main program used is a three-dimensional graphical system called Alice that can be used to create animations and computer games. Students build virtual worlds inhabited by objects that can be programmed to perform actions. Topics/concepts covered include introduction to computer systems, fundamentals of Alice, variables, methods, decision-making, looping, and event-driven programming. Additional programming languages such as Scratch will also be explored.

Prerequisite: Completion of Algebra I.

Course: 274H

Honors Java Programming

Grades 10-12

Programming in Java is an introduction to the Java programming language. It introduces students to object-oriented programming concepts and the Java syntax necessary to implement them. Students will be able to write Java applications that use GUI components as well as Java applets for use on the Internet. Topics covered include the fundamentals of Java, data abstraction, encapsulation, polymorphism, and inheritance. Students will use predefined classes to design, implement, and analyze solutions to a wide range of mathematical and non-mathematical problems using the computer.

Prerequisite: Prior programming experience, with department approval

Course 273S

Web-Based Applications

Grades 10 – 12

This course will apply programming languages (e.g., Python), scripting principles, concepts, and skills to guide students through the world of developing web apps. Python is a high-level general-purpose programming language used in Internet protocols as well as string processing, software engineering, and operating system interfaces. As appropriate, other tools such as HTML, CSS, and/or JavaScript will be used as students work on a variety of projects, including planning, designing, implementing, and enhancing effective web pages.

Prerequisite: Prior programming experience, with department approval

Course: 255S

Personal Finance

Grades 11-12

This one-semester course combines the principles of Christian money management with the practical skills of using computer software to manipulate the calculations. The students will have hands-on experiences in planning a family budget, writing checks, and balancing accounts. Other topics will include depreciation and appreciation of assets, investment strategies, and support of local and international Christian activities.

FINE ARTS DEPARTMENT

FINE ARTS COURSES (drama, visual arts, and music):

| Grade | Sem.1 | Sem.2 | Name of course | Core | Level and Credit | PreReq |
|-------|-------|-------|-------------------------------------|------|----------------------|--------|
| 9-12 | 377 | 377 | Drama | | .5 Fine Art credit | |
| 9-12 | 389H | 390H | Honors Dramatis | | H/1 Fine Art credit | Yes |
| 9-12 | 426S | | 2-D Design (only Fall semester) | | .5 Fine Art credit | |
| 9-12 | | 428S | 3-D Design (only Spring semester) | | .5 Fine Art credit | Yes |
| 10-12 | | 423S | Photography | | .5 Fine Art credit | Yes |
| 10-12 | 418F | | Graphic Design (only Fall semester) | | .5 Fine Art credit | Yes |
| 10-12 | 433 | 434 | Drawing (full year course) | | 1 Fine Art credit | Yes |
| 10-12 | 435 | 436 | Painting (one semester course) | | .5 Fine Art credit | Yes |
| 11-12 | 430H | 430H | Honors Studio Art | | H/1 Fine Art credit | Yes |
| 10-12 | 460 | 461 | Chapel Band | | .5/1 credit | Yes |
| 10-12 | 447H | 448H | Honors Madrigal Singers | | H/1 Fine Art credit | Yes |
| 10-12 | 463H | 464H | Honors Bell'Arte Singers | | H/1 Fine Art credit | Yes |
| 9-12 | 449 | 450 | Women's Choir | | .5/1 Fine Art credit | |
| 9-12 | 458 | 459 | Men's Ensemble | | .5/1 Fine Art credit | |
| 9-12 | 457S | 457S | Music Theory and Appreciation | | .5 Fine Art credit | Yes |
| 10-12 | | 486H | Honors Music Theory | | H/.5 Fine Art credit | Yes |
| 9-12 | 481 | 482 | Symphonic Winds | | .5/1 Fine Art credit | Yes |
| 10-12 | 485S | 485S | Media Technologies | | .5 Fine Art credit | |

Course: 377

Drama

Grades 9-12

This semester course introduces students to the art of acting. Through a variety of acting exercises, improvisations, and scenes, students develop the skills of sense of memory, pantomime, improvisation, vocal projection, stage movement, and characterization. Students will work individually and in groups to create a variety of performances throughout the semester, culminating in a public performance near the end of the semester.

Course: 389H, 390H

Honors Dramatis

Grades 10-12

This is an auditioned, 10-member dramatic ensemble, known as Dramatis Personae, that will explore advanced theatrical material. Each performer will further develop techniques for acting, vocal projection, and character development. An emphasis is placed on building the ensemble into a cohesive unit, and the group will perform regularly throughout the school year in a variety of contexts.

Prerequisite: Drama, Placement audition, Teacher recommendation

Additional Expenses: Students may be required to obtain appropriate "theatre blacks" as a base performance outfit. This ensemble may take a trip during the school year (cost TBD). For more information (including previous trip costs), contact the Fine Arts Director.

Course: 426S

2-D Design

Grades 9-12

This is a one-semester art foundation course that is a prerequisite for all other visual art courses. Projects will focus on the elements and principles of design and their application in the design process. Projects will include working with different mediums including drawing, pencil, colored pencil, marker, chalk and oil pastels, and printmaking.

Course: 428S

3-D Design

Grades 9-12

This is a one semester art course for the student with a high level of interest in three dimensional design and sculpture. Projects will include 3D fiber art, ceramic sculpture, as well as additive and subtractive sculptural processes. Students will build off of knowledge gained in 2D Design in regards to translating the elements of art and principles of design into use with three-dimensional pieces.

Prerequisite: 2-D Design

Course: 423S

Photography

Grade 10-12

This is an introductory class for the study of photographic processes. Use of the digital camera and the manipulation of student-generated images on the computer will serve as a basis for exploring various media. Students will be challenged to solve art problems by studying the work of master photographers and digital artists. A sketchbook will serve as a resource for technical information, processes, idea generation and written commentary. The goal is to have students develop and demonstrate knowledge of vocabulary and themes of photographic media.

Prerequisite: 2-D Design

Course: 418F

Graphic Design

Grades 10-12

This one-semester course that will focus on the Elements and Principles of Design. Students will use the Elements to understand the building blocks of Graphic Design which will help them to create posters, flyers, and logos that incorporate images and text. Students will use Photoshop to design projects.

Prerequisite: **Prerequisite:** 2-D Design

Note: This course may be taken for Technology credit instead of Fine Art credit. **(418T)*

Course: 433, 434

Drawing

Grades 9-12

This is a full-year course for the serious art student. This class will focus on using the Elements and Principles of design to draw still lifes, landscapes and portraits. Each project will help develop skills in craftsmanship, observation and develop conceptual ideas. Students will explore using different mediums such as charcoal, oil pastel, pen, pencil and mix media.

Prerequisite: 2-D Design

Course: 435, 436

Painting

Grades 10-12

This class is offered both Fall and Spring semester for a serious art student. This course focuses on the application of paint and the technique in brushwork. All projects have a emphasis on Color Theory and are design to focus on how we see and use color, as well as incorporating Art History to understand cultural context. Students will use both acrylic and watercolor paint for projects.

Prerequisite: 2-D Design

Course: 430H

Honors Studio Art

Grade 11-12

This is a full-year course for dedicated art student in grades 11-12 who want to advance their skills and techniques in various drawing and painting subjects and media. Emphasis is placed on problem solving, critical thinking, and conceptual development. Students will build artistic breadth by working with a variety of media, including ink, graphite, charcoal, pastels, colored pencils, watercolor pencils, and acrylics. Students will develop a concentration in an artistic medium, and will prepare a portfolio of to submit to colleges or to an independent advisor.

Prerequisite: 2-D Design; Portfolio and Application review; Permission of the instructor

Course: 489H, 490H

Honors Madrigal Singers

Grades 10-12

This 16-member performing ensemble explores a variety of advanced repertoire for mixed voices, including madrigals and *a cappella* choral music. They perform in annual school concerts and represent the school in many local, regional, and national events throughout the year. Each singer also studies music theory, melodic and rhythmic sight reading, and vocal technique.

Prerequisite: Music Theory (concurrent or completed), Placement audition, Teacher recommendation

Additional Expenses: Students are required to obtain the appropriate attire for concerts (cost TBD). This ensemble may take a trip during the school year (cost TBD). For more information (including previous trip costs), contact the Fine Arts Director.

***Note:** *Enrollment in Madrigal Singers does not exclude you from enrolling in Men's Ensemble, or Bell'Arte, or Women's Choir.*

Course: 493H, 494H

Honors Bell'Arte Singers

Grades 10-12

This all-female ensemble explores a variety of advanced repertoire for treble voices. They perform in annual school concerts and represent the school in many local, regional, and national events throughout the year. Each singer also studies music theory, melodic and rhythmic sight reading, and vocal technique.

Prerequisite: Music Theory (concurrent or completed), Placement audition, Teacher recommendation

Additional Expenses: Students are required to obtain the appropriate attire for concerts (cost TBD). This ensemble may take a trip during the school year (cost TBD). For more information (including previous trip costs), contact the Fine Arts Director.

***Note:** *Enrollment in Bell'Arte Singers does not exclude you from enrolling in Madrigal Singers or Women's Choir.*

Course: 449, 450

Women's Choir

Grades 9-12

This is a performing ensemble that will explore standard vocal literature for treble voices. Each singer will learn the skills of good choral tone, sight-reading, and vocal technique. This group will perform for two annual school concerts and additional community and school events. This class is non-auditioned and open to all students who would like to register.

Additional Expenses: Students are required to obtain the appropriate attire for concerts (cost TBD). This ensemble may take a trip during the school year (cost TBD). For more information, contact the Fine Arts Director.

Course: 458, 459

Men's Ensemble

Grades 9-12

This is a performing ensemble that will explore standard vocal literature for the male voice. Each singer will learn the skills of good choral tone production, sight-reading, and vocal technique. This group will perform for two annual school concerts and additional community events. This class is non-auditioned and open to all students who would like to register.

Additional Expenses: Students are required to obtain the appropriate attire for concerts (cost TBD). This ensemble may take a trip during the school year (cost TBD). For more information, contact the Fine Arts Director.

Course: 457S

Music Theory and Appreciation

Grades 9-12

The goal of this one semester course is to develop necessary skills to listen to and analyze music well. The course explores the fundamentals of music. Students learn the primary concepts of music theory, including notation, rhythm, meter, pitch, dictation, sight, singing, tonality, and basic chord structure.

Prerequisite: Ability to read music in at least one clef (e.g. treble or bass) and math level of Algebra I or above.

Course: 460, 461

Chapel Band

Grades 10-12

This half-credit, year-long course equips students to serve the student body by leading worship music for weekly Chapel services. Students form in this course form the core group of musicians and Tech Team members who rehearse and prepare music, exploring what it means to effectively lead worship, learning various techniques and improving as musicians and technicians. *This is a pass/fail course.*

Required: Attendance at 7:00 am rehearsals on Wednesday mornings (as needed)

Prerequisite: Placement audition/interview, Permission of the instructor

Course: 486H

Honors Music Theory

Grades 10-12

In this advanced one-semester music course, students develop a deeper understanding of the various fundamentals of music: melody, harmony, texture, and form. Students will develop music composition skills through analysis, notation, context study, and original compositions. The student's ability to read and write musical notation is fundamental to this course, and the student must be able to sight sing in major and minor keys, dictate simple melodies in major and minor keys and possess adequate performance skills in either voice or on an instrument.

***Note:** Students enrolled in Honors Music Theory may choose to take the AP® Music Theory test. In

these cases, supplemental materials will be provided for the student to prepare independently. This course will only be offered if staffing and student enrollment are sufficient.

Required: Textbooks

Prerequisite: Music Theory & Appreciation, Teacher recommendation

Course: 477, 478

Percussion Ensemble

Grades 9-12

This is a performing ensemble that will explore the literature written for percussion ensemble. Students will participate in concerts and festivals throughout the year and may collaborate with the other instrumental groups during the year. Students learn proper percussion technique and study music of a wide variety of styles and genres. This ensemble class is non-auditioned and open to all students.

Prerequisite: Ability to read music in at least one clef (e.g. treble or bass)

Additional Expenses: Students are required to obtain sticks/mallets and the appropriate attire for concerts (cost TBD). This ensemble may take a trip during the school year (cost TBD). For more information, contact the Fine Arts Director.

Course: 481, 482

Symphonic Winds

Grades 9-12

Students in this instrumental music ensemble will learn selections from the standard concert band repertoire, foster technique on their instrument, develop sight-reading skills, analyze music from all genres, identify musical arguments, and perform in concert, in Assembly, in Chapel, and at festivals. Symphonic Band is open to student musicians who play one of the following instruments: flute/piccolo, oboe, bassoon, clarinet, bass clarinet, saxophone (alto, tenor, baritone), French horn, trumpet, trombone, baritone/euphonium, or tuba.

Prerequisite: Ability to read music in at least one clef (e.g. treble or bass), Basic performance abilities on a concert band instrument

Additional Expenses: Students are required to obtain the appropriate attire for concerts (cost TBD). This ensemble may take a trip during the school year (cost TBD). For more information, contact the Performing Arts Department Head.

Course: 485S

Media Technologies

Grades 10-12

This one-semester course introduces students to the lighting, sound, and video equipment used in the production of live stage performances and recorded films. Students will learn to operate video cameras and editing software, sound amplifying and control equipment, lighting instruments and control systems, and computer-based projection systems.

***Note:** *This course may be taken for Technology credit instead of Fine Art credit. (485T)*

PHYSICAL EDUCATION and ELECTIVE COURSES:

| Grade | Sem.1 | Sem.2 | Name of course: | Core | Level and Credit | PreReq |
|-------|-------|-------|---------------------------------------|------|---------------------|--------|
| 9-12 | 706S | 706S | Female Strength and Conditioning | | .5 PE credit | |
| 9-12 | 710S | 710S | Male Strength and Conditioning | | .5 PE credit | |
| 9-12 | 715S | 715S | Team Sports Fitness | | .5 PE credit | |
| 9-12 | 716S | 716S | Female Aerobic Fitness | | .5 PE credit | |
| 9-12 | 717S | 717S | Health and Fitness (see note below) | | .5 PE credit | |
| 9 | | 985S | Reading Workshop 9 | Core | .5 credit | |
| 11 | 985S | | Reading Workshop 11 | Core | .5 credit | |
| 11 | | 341S | Research Writing 11 | Core | .5 credit | |
| 12 | 341S | | Research Writing 12 | Core | .5 credit | |
| 10-12 | 369 | 370 | Yearbook (full year course) | | 1 credit for year | |
| 10-12 | | 367S | Creative Writing (taken one semester) | | .5 credit | |
| 9 | | 374S | Freshman Speech (taken one semester) | Core | .5 credit | |
| 10-12 | 373S | 373S | Speech (taken one semester) | Core | .5 credit | |
| 9-12 | 981 | 982 | Chapel Band | | .25 credit/semester | |
| 11-12 | 487S | | Worldviews in Film | Core | .5 credit | Yes |
| 9-12 | 991 | 992 | Study Hall (offered either semester) | | No Credit | |
| 9-12 | 979 | 980 | Directed Studies | | .5 credit/semester | |
| 11-12 | 829 | 830 | Student Aide | | .25 credit/semester | |

NOTE: 717S Health and Fitness is a diploma requirement for the class of 2022 and beyond.

P.E. Credits earned outside the school day:

All students must earn at least one half credit of P.E. through an actual PE course that includes health components. The other required half credit of P.E. may be earned outside of the classroom via one season of Marching Band or of varsity/JV sports. This outside half-credit will not be awarded in the case of students who take two semester PE courses. An outside P.E. half-credit will receive a grade of “Pass,” and will not factor into grade point average (GPA) calculations.

Course: 706S

Female Strength and Conditioning

Grades 9-12

This one-semester course will provide instruction and guidance in weight training for any student interested in maintaining or improving her general fitness, wellness and strength. The instructor will emphasize safety, variety, and balance in workout regimens, as well as nutrition and other concepts.

Course: 710S

Male Strength and Conditioning

Grades 9-12

This one-semester course will provide instruction and guidance in weight training for any student interested in maintaining or improving his general fitness, wellness and strength. The instructor will emphasize safety, variety, and balance in workout regimens, as well as nutrition and other concepts.

Course: 715S

Team Sport Fitness

Grades 9-12

Competitive team games offered to all US students who like to be physically active, stay fit and compete in fun team-oriented activities. Games will include soccer, football, basketball, tennis, bowling, volleyball, lacrosse, and floor hockey. This class has coeducational enrollment.

Course: 716S

Female Aerobic Fitness

Grades 9-12

Students will participate in a variety of aerobic workout activities that include components of dance, flexibility, balance, coordination and fitness. Workout sites include the weight room, the gyms and/or field house, and on some days the outdoors.

Course: 717S

Health and Fitness

Grades 9-12

Students will have a combination of classroom learning and fitness workouts. Classroom time would cover topics such as nutrition, components and principles of fitness, and developing a fitness program. Workouts serve as the lab for the classroom learning. This coed class may split into gender-specific discussion groups occasionally. **NOTE: this course is a diploma requirement for the Class of 2022 and beyond.**

Course: 985S

Reading Workshop

Spring of Grade 9

Fall of grade 11

This one-semester class focuses on helping students comprehend all types of reading material, from textbooks to Shakespeare. Students will practice a variety of skills including vocabulary development, drawing conclusions, making inferences, and active reading. Literature selections from English class are incorporated whenever possible. While the course is open to all students, teacher recommendation and scores on standardized tests are used to guide placement in the class.

Course: 341S

Research Writing

Grades: Spring of 11/Fall of 12

This one-semester course is designed to help students improve the fluency and organization of their writing. Students are placed in this class on the basis of teacher recommendation. Through in-class and out-of-class writing assignments, students will practice formulating, developing, and supporting ideas through clearly structured arguments. This process will reinforce both grammar and research skills, while giving students strategies for planning, drafting, and revising academic writing. Students will demonstrate their acquired skills by producing either the junior research paper in the spring or the senior practicum paper in the fall. Available: Junior (Spring) and/or Senior (Fall). While teacher recommendations are considered in placing students in this course, parent or student requests are welcome.

Course: 369, 370

Yearbook

Grades 10-12

This course functions as an introduction to publishing. Students will design, organize, and produce content for the AACS Yearbook. Students will create and implement the theme for the yearbook, take and arrange pictures, gather and write interviews and articles, and design individual pages. Skills

taught include writing, interviewing, layout design, and copy editing. Staff members must be willing to talk to different members of the AACS community, propose and evaluate designs and articles, and collaborate freely on a large, public project. The successful use of these skills, as well as ability to meet strict deadlines forms the basis for the student's grades. Students will also learn general functions of Adobe InDesign and may use Adobe Photoshop.

Prerequisite: At least one of the following courses: Yearbook (in a prior year), Media Technologies, Graphic Design, or Photography.

**Note: This course may be taken for Technology credit*

Course: 367S

Creative Writing

Grades 10-12

This one-semester course gives students the opportunity to practice several forms of creative writing. The first part of the course consists of a series of short assignments in which students hone their descriptive and narrative skills. The remainder of the course focuses on the study and imitation of literary models in the genres of creative nonfiction, short story, and poetry. While this class includes daily in-class writing, it also requires students to draft, revise, and complete assignments outside of class, including two substantial prose compositions and a poetry portfolio.

Course: 374S

Freshman Speech

Grade 9

This one-semester course is designed to help students become clear, thoughtful, and confident communicators. Students will practice planning, preparing, and delivering a variety of speeches, including autobiographical, anecdotal, personal, informative, demonstrative, persuasive, and impromptu. These speeches range from one to ten minutes in length. Students will also examine the communication process as a whole, learning not only to be better public speakers, but also better communicators and listeners. Students will serve as audience members for each other throughout the semester, and will regularly discuss and evaluate their own and others' speeches.

Course: 373S
10-12

Speech

Grades

This one-semester elective is similar in content and requirements to Freshman Speech, but it is geared toward students in grades 10-12. This course helps students further develop the speaking and listening skills necessary to become clear, thoughtful, and confident communicators. Students will plan, prepare, and deliver to the class a variety of speeches, ranging from two to ten minutes in length. These include autobiographical, informative, persuasive, impromptu, and inspirational speeches, demonstrations, and oral interpretations of literature.

Course: 460, 461

Chapel Band

Grades 10-12

This half-credit, year-long course equips students to serve the student body by leading worship music for weekly Chapel services. Students form in this course form the core group of musicians and Tech Team members who rehearse and prepare music, exploring what it means to effectively lead worship, learning various techniques and improving as musicians and technicians. *This is a pass/fail course, and some class periods may be used as a study hall.*

Required: Attendance at 7:00 am rehearsals on Wednesday mornings (as needed)

Prerequisite: Placement audition/interview, Permission of the instructor

Course: 487S

Worldviews in Film

Grades 11-12

In this one-semester course students develop the ability to discern and evaluate worldviews as presented in film. So that students can interact with the worldviews espoused by the current culture, there will be a primary emphasis on 21st century films. Students will develop film analysis skills through an investigation of the Five Elements of Film, through watching a variety of films, and through analyzing those films using James Sire's 8 Questions of Worldview.

Prerequisite: Teacher and parent approval

**Note: The curriculum for this course includes some R rated films (no graphic nudity or sexuality). Contact the Fine Arts Director with any questions.*

Course: 991S

Study Hall

Grades 9-12

Either semester – maximum of one SH per semester. Note: Students may be assigned a Study Hall Free status based on their core GPA for the previous semester. Study Hall Free status may be granted to juniors whose **cumulative** GPA is above 3.2 and to seniors whose **cumulative** GPA is above 3.0. Study hall does NOT earn any credit.

Course: 979, 980

Directed Studies

Grades 9-12

Elective course designed to equip students with school success skills. This focuses mostly on executive functioning skills such as organizing time and materials, developing study skills, and setting and achieving goals. The course is taken in place of a study hall and receives a half credit per semester.

Prerequisite: Discuss placement with Educational Support Department by contacting Lisa Blattenberger at lblattenberger@aacsonline.org. **Signature on Course Selection Form is required.**

Course: 829, 830

Student Aide

Grades 12

Objective: Provide assistance in various departments for students wishing to continue studies in said field. Student Aides earn 0.25 credit per semester. Aides are needed in the following departments:

Science – Students pursuing science and engineering careers would benefit from laboratory experience. Students would help set up labs, prepare solutions, work with teachers to design labs, and help clean up labs. When not working on labs, students would have some time for study. Students must have completed Honors Chemistry and be enrolled in a 4th year science course.

Art – Students who are proficient in Illustrator and Photoshop could provide help to students in the computer lab during these classes. In addition, a student who desires to know how to work in a gallery could assist the art teachers with setting up and taking down shows.

Tech Support – Students learning the technology that supports Upper School Activities, and provide aid in set-up and tests for events.

Prerequisite: Teacher interview required.

Educational Support

Students are enrolled in Educational Support classes only after discussion with the Educational Support team. **Please contact Lisa Blattenberger at lblattenberger@aacsonline.org to begin the process.**

Course: 981, 982

Academic Studies

Grades 9-12

- Fee-based, regularly scheduled small group (usually 4-5 students) class for students with an Educational Support Plan. This course provides academic support (targeted intervention/remediation and pre-teaching or re-teaching) for one or more content areas. It may also include modification of content as documented by the ESP. The class receives one quarter credit per semester
- This level of support also includes collaboration with teachers and coordination of the Ed Support Plan. This includes coordination of documented accommodations and modifications, and support for organization and task completion for academic classes.

Course: 979, 980

Directed Studies

Grades 9-12

- Elective course designed to equip students with school success skills. This focuses mostly on executive functioning skills such as organizing time and materials, developing study skills, and setting and achieving goals. The course is taken in place of a study hall and receives a half credit per semester.
- An Educational Support Plan is not required.
- This level of support also includes collaboration with teachers and coordination of the Ed Support Plan if there is one. This includes coordination of documented accommodations.

Prerequisite: Discuss placement with Educational Support Department by contacting Lisa Blattenberger at lblattenberger@aacsonline.org. **Signature on Course Selection Form is required.**

Other Course Offerings

ESL Courses

Course 173, 174

ESL/ELL Intro to the Bible

Grades 9-11

This course is designed to help ELL and/or international students with limited or no Bible background, to understand and make sense of the Bible and a biblical worldview. Fundamental concepts this course presents include the structure of the Bible, the story of the Bible and our place in it, the Speaker of the Bible and His thoughts toward us, and a biblical worldview.

Course 381, 382

ELL/ESL Level 1

Grades 9-10

ESL 1 provides practice in the four language skills of listening, speaking, reading and writing. Emphasis is placed on acquiring the grammar and vocabulary necessary to write an effective essay, give an oral presentation, and read for comprehension and analysis.

Course 385, 386

ELL/ESL Level 2

Grades 9-11

ESL 2 will continue practice in the four language skills of listening, speaking, reading and writing. Emphasis will be placed on acquiring the more sophisticated grammar and vocabulary necessary for transition to the mainstream AACCS English classes. Assignments will include weekly essays, oral presentations, reading comprehension and listening exercises.

Online High School Courses

Beyond the extensive course options offered on campus at Annapolis Area Christian School's Upper School, additional courses are available online through our partnership with the Christian online school Sevenstar Academy (<http://sevenstar.org>). Sevenstar courses are approved for AACCS transcript credit.

There is an additional charge for these courses—\$570 for a one-semester course and \$770 for a full-year course; AP courses have a slightly higher cost. First time students also pay a \$45 one-time registration fee. The Sevenstar high school course options we invite students to consider are listed on the next page.

Science:

Earth Space Science
 Marine Science
 Forensic Science 1 & 2

Social Studies:

Global Studies
 Economics with Financial Literacy
 AP Macroeconomics
 AP Microeconomics
 AP World History

World Languages:

French 1, 2 & 3
 German 3
 Latin 1, 2 & 3
 Chinese 1 & 2

ELECTIVES**Technology**

AP Computer Science A
 Digital Information Technology
 Game Design 1
 Introduction to Social Media
 Mobile App Programming

Fine Arts

AP Art History
 Music Appreciation
 Theater, Cinema, Film Production

General Electives

Critical Thinking & Study Skills
 Leadership Development
 Social Problems 1 & 2
 Psychology

Students should register for a Sevenstar course during the regular AACCS course registration season here (February/March), designating one of the eight periods for the online course in one or both semesters. The start and end dates for these courses are flexible, so these can vary based on an individual student's plans and schedule. However, once a course is begun, a set schedule of assignments, due dates and exams is put into motion. Note that one-semester online courses are 18 weeks long; two-semester courses take 36 weeks to complete.

College Credit (Dual Credit) Courses

Anne Arundel Community College

AACS now offers access to *college courses* (beyond the 11 courses offered in our AP program) for qualified juniors and seniors at Anne Arundel Community College (AACC) through their Early College Access Program's (ECAP). Proceed with caution - college courses place high demands and expectations on the student. Do not underestimate the impact of adding a college course to your high school schedule!

In order to qualify for one of the AACC options, a student must be a rising junior or senior with a GPA of 3.0, with an SAT score of 500 or above on the English portion and 500 or above on the Math portion (or ACT score of 18 or above for English, and 21 or above for Math). Students without SAT or ACT scores must take AACC's Accuplacer test and meet their criteria for acceptance.

Students would indicate their desire to take an AACC course during the regular registration season here at AACS (February/March), designating one of the eight periods for the college course. The start and end dates for these AACC courses correspond closely (but not exactly) with the AACS school calendar.

AACS will facilitate the enrollment and registration process for AACC courses selected by our students, as well as the Accuplacer testing, as needed. It is important to note that AACC uses their own learning management system (Canvas) rather than Veracross, and any request to drop a course must follow AACC's rules, which are very time sensitive and far less flexible than those of AACS or Sevenstar. Failure to follow their course drop rules may result in significant cost and negative transcript implications. To adhere to our priorities, mission and accreditation, AACS will add a biblical worldview module each AACC course.

AACC's course schedule for 2019/2020 is not yet available; in general, students may consider:

- entry level courses
- courses not already available through AACS
- courses consistent with our mission and educational goals
- sections of courses that pose minimal disruption to the AACS school day (including evening, online and hybrid options)

Examples of the types of courses available through the ECAP program are listed below:

- World Languages - French 1, German 1, Italian 1, Russian 1
- Humanities and Social Sciences - Interior Design, Architecture, Sociology, Social Problems
- Sciences - Horticulture, Nutrition, Oceanography, Public Health, Digital Forensics
- Business - Accounting, Entrepreneurship, Business, Marketing, Management, Global Economy
- Computer Technologies, WWW Publishing, Microcomputer OS; Computer Graphics
- Homeland Security; Hotel Management; Hospitality; Foundations of Education; Metal Fabrication;
- Paralegal Studies; International Law

The ECAP Program includes the option for summer courses at AACC campuses. Registration for AACC summer courses takes place in March. See the AACS Academic Dean in March to discuss.

Sevenstar College Courses

An option for *dual credit online college courses* is available through Sevenstar's program with seven Christian colleges and universities. As with Sevenstar's high school courses, AACS will facilitate the registration and oversight of these courses. For available courses please see this link: <https://sevenstar.org/dualcredit/>. Criteria for Sevenstar's college options vary by course and college. These post-secondary institutions offer courses in English, History, Math, and Science, as well as Biblical Studies, Business, Communications, Computer Science, Education, Ministry, Philosophy, Psychology, Religion, Sociology, and other Electives. Students would indicate their desire to take a Sevenstar college course during the regular course registration season here at AACS (February/March), designating one of the eight periods for the college course.