

ANNAPOLIS AREA CHRISTIAN SCHOOL



COURSE CATALOG and Scheduling Procedures

2021- 2022

*...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)
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 more than 2 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, AP Calc., AP Stats, other options
Env. Science or Biology	Biology or Chemistry	3 rd science	Elective: 4 th science?
Western Civilization + Foundations of Tech.	World History	US History	American Govt (1 sem.) + more social studies?
World Language or English workshops	For. Lang. level 2 or 1	Elective: Level 3 World Language?	Elective: more World Language?
PE, Fine Art	PE, Art, or Technology	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 (note: AP® and Advanced Placement® are registered trademarks of the College Board. Used with permission.)

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 higher 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 time and again that when one of these qualities is missing, success in an Honors course is elusive and the student’s struggles are compounded.

AP® courses are college-level courses that culminate in taking the standardized AP® exam in May.

Many colleges accept high scores in place of freshmen-level courses; this 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 pre-requisites for considering any AP® course. Many of these courses require an application process and/or teacher recommendation.

Note: All Advanced Placement® (AP®) Courses listed in this catalog have been authorized by the College Board.

GPA’s earned in honor courses will be calculated with 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%).** All honors courses are marked with “H” after the course number and Advanced Placement® courses are marked with “P” after the course number. See the chart below for grade points awarded.

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, honors courses are marked with “H” after their course number, and Advanced Placement® courses are marked with “P” after their course number.

Parents: Procedures for Selection of Upper School Courses for 2021-22 School Year

- 1) Be aware of the graduation requirements and typical four-year path listed on pages 3-4.
- 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 12.
- 4) By February 19, students must complete auditions for any performing arts courses. Also have them start completing online applications for any Honors or AP® courses they plan to request (applications are usually requested for advanced courses in English, Social Studies and sometimes Science). Students who are not approved for a requested course will be scheduled for an alternate course or elective. Note that applications are not required if the student's current teacher has pre-approved them for the honors or AP courses; in these cases teachers will inform them. Note that if they do not receive approval for the requested course, they will be scheduled for an alternate course or elective.
- 5) By March 4, cosign your student's Course Selection Form and then submit it to our Upper School office. You may submit a signed hard copy form, or email a scan to our scheduler, Ms. Jen Miller, at jmiller@aacsonline.org. NOTE: Your student should have entered 16 total courses (8 for each semester). They must include at least two alternate electives in case their first choices are blocked. Students must submit Course Request Forms to us by March 5.
- 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 the first week of March, they will be reviewed by the academic dean, department heads and other upper school support staff.
- 8) Student Schedules for 2021-22 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 Policies for Schedule Changes and Course Transfers described 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 for completion and to ensure that the classes listed are ones your student 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 courses in Math and World Language); therefore, in mid-June we may require or recommend changes to students' course selections.

During the summer, if you suspect there has been a scheduling error in the copy you receive in May, parents should contact Ms. Jen Miller (jmiller@aacsonline.org) or 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 AACCS 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 for special electives, which have selective enrollment. If your student was scheduled for an Honors, AP® or other selective enrollment course, other students may have been non-selected, and therefore withdrawal from such a course is not normally allowed.

Please know that a course that is dropped after Q1 may receive a grade of "Withdrawn Passing" (WP) or "Withdrawn Failing" (WF), and the student's transcript would indicate that grade.

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 over-arching 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 our faith and to give a defense in response to competing worldviews. The course will focus on properly distinguishing the substance and essentials of Christianity, grasping some history of western thought on Faith and Reason, understanding the foundations of competing worldviews, and applying the hope of the Gospel to some current 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	Core	1 credit	
9	335H	336H	Honors English 9: Foundations	Core	Honors/ 1 credit	Yes
9		985S	Reading Workshop 9 (elective)	Core	.5 credit	
10	343	344	English 10: World Literature Survey	Core	1 credit	
10	345H	346H	Honors English 10: World Literature Survey	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: American Literature Themes	Core	1 credit	
11	353H	354H	Honors English 11: American Literature Survey			
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: European Literature Themes	Core	1 credit	
12	363H	364H	Honors English 12: British Literature Survey	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 placement or teacher recommendation. 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

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. 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

Grade 9

This introductory course prepares students to understand and participate in mature conversations about literature and writing. Honors English 9 differs from English 9 in the amount and pace of reading, the depth of discussion, and the frequency and focus of writing assignments. Like English 9, this course helps students develop an understanding of rhetoric in order to engage with the ideas and arguments presented in the texts they read. Writing instruction in Honors English 9 emphasizes form, structure, and clarity of argument. Major works studied include *To Kill a Mockingbird*, *Dr. Jekyll and Mr. Hyde*, *Romeo and Juliet*, *Lord of the Flies*, and *The Hobbit*.

Prerequisite: Placement testing, 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. Underlying skills such as vocabulary, drawing conclusions, making an inference, and active reading are intentionally taught and practiced. The literature selections from English class are incorporated whenever possible. Teacher recommendation and scores on standardized tests are used to guide placement in the class. Parent or student requests for the class are welcome.

Course: 343, 344

English 10: World Literature Survey

Grade 10

This course builds on students' understanding of rhetoric and argument, but delves into literary tradition to provide a trajectory 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 the ethical claims of the classical mode. The students will learn to evaluate and compare arguments of multiple texts as they read *The Apology*, *Oedipus the King*, *Sir Gawain and the Green Knight*, *The Merchant of Venice*, and *Things Fall Apart*, as well as selected poetry and short stories that are significant in the development of Western thought.

Course: 345H, 346H

Honors English 10: World Literature Survey

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. While Honors 10 studies many of the same texts as English 10, this course includes more reading, more student-led discussion, and more frequent writing assignments. Students study novels, short stories, nonfiction and poetry from around the world, including *Oedipus the King*, *Life of Pi*, and *Things Fall Apart*.

Prerequisite: Recommendation of the 9th grade English teacher OR satisfactory completion of the application process to request consideration.

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. While this course studies many of the same texts as Honors English 10, it focuses more intently on the historical context of texts and ideas. Additionally, 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*, *The Scarlet Pimpernel*, *All Quiet on the Western Front*, and *Life of Pi*, as well as other minor works.

Prerequisite: Recommendation of the 9th grade English teacher OR satisfactory completion of the application process to request consideration, and overall GPA of 3.0 by end of freshman year.

NOTE: This course may not be offered in 2021-22, dependent in part on enrollment and staffing.

Course: 351, 352 English 11: American Literature Themes Grade 11

This course explores themes in American literature. Students will examine historical writings to discern the values upon which the nation was founded, and then trace the development of these values through the major American literary movements. Students' reading is supplemented by written work, vocabulary studies, and class conversations. In the second semester, students will complete a research project, exploring a significant problem in the world today. Readings will consist primarily of works of short fiction, poetry, and essays from the *Norton Anthology of American Literature*, along with one major novel, F. Scott Fitzgerald's *The Great Gatsby*.

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

This course explores the themes, movements and ideas of American literature as they have developed 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 Modernist works. Student reading will be augmented by regular written work, independent reading, 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. While this course studies many of the same texts as English 11, students should expect more reading and student-led discussion, as well as more frequent and challenging writing assignments. Readings will consist

primarily of works of short fiction, poetry, and essays, but major novels will include *The Grapes of Wrath* (John Steinbeck) and *The Great Gatsby* (F. Scott Fitzgerald).

Prerequisite: Recommendation of 10th grade English teacher OR satisfactory 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; and 2) to prepare students for the AP® Language and Composition Exam. While this course studies some of the same texts as Honors English 11, it focuses more explicitly on rhetorical analysis of contemporary and historical texts and ideas in order to align with the AP® curriculum. Assessments will consist of timed essays, class discussions, practice AP® exams, and a research paper.

Prerequisite: Recommendation of 10th grade English teacher OR satisfactory completion of the application process.

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

This course explores themes in European literature, focusing on major works like *Hamlet*, *Frankenstein*, and *1984*. After opening units focusing on independent reading and poetry analysis, 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 to explore these ideas through regular writing assignments. Vocabulary practice and class conversations help students continue to grow as communicators.

Course: 363H, 364H **Honors English 12: British Literature Survey** **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*, and *The Picture of Dorian Gray*, and augments these with poetry and essays that investigate the value of the pursuit of beauty. Students practice analytical writing and critical thinking as they explore and evaluate the arguments and the aesthetics of these texts. While this course studies some of the same texts as English 12 and AP English 12, it is distinct in its focus on the development of British literature. Additionally, students can expect more frequent writing assignments and opportunities for student-directed discussion.

Prerequisite: Recommendation of 11th grade English teacher OR satisfactory completion of the 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 Shakespeare, Shelley, Bronte, Joyce, and Ellison 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 focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work’s structure, style, and themes, as well as its use of figurative language, imagery, and symbolism.” While this course studies some of the same texts as English 12 and Honors English 12, it is distinct in its focus on literary analysis, which helps students to build the skills that are evaluated by the AP® exam.

Prerequisite: Recommendation of 11th grade English teacher OR satisfactory completion of the application process.

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 realistic short stories, fantasy, mystery, drama, and poetry. While this class includes daily in-class writing, it also requires students to draft, revise, and complete assignments outside of class.

Course: 341

Research Writing

Grades: 11-12

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 is required for all seniors and is taught by their senior mentor. Students are asked to select a problem affecting our society, to research and write a paper on the root causes of that problem, and then to propose solutions. Following the completion of their paper, students must engage in a relevant project that in some way addresses their chosen problem, and at the end of the year must give an oral presentation of what they have learned before a review board.

Note to rising seniors: Do not list this course on your Course Selection Form since it is already built into the schedule, meeting periodically during your Senior Bible class.

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 fixed “tracks”; movement between them is possible each year based on prerequisite achievement.

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 Euclidean geometry, including properties and relationships among points, lines, planes, reasoning and proofs, parallel and perpendicular lines, triangles, quadrilaterals, similarity, transformations, coordinate geometry, 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 with an emphasis on developing an argument through writing proofs within the axiomatic system of Euclidean geometry. 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 reasoning, logic, and 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 absolute value inequalities, functions (including absolute value functions), graphing, modeling, transformations of graphs, 2 variable linear systems, quadratic functions and equations, polynomial functions and equations, radical functions and equations, rational exponents, exponential and logarithmic functions and equations, rational functions and equations, and probability. 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

Grades 11 - 12

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 a review of vital Algebra 2 concepts, 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 and focuses on first year college math, including the content of numerous college math placement tests, 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, common and natural logarithms and functions, exponential functions, sequences & series, polar graphs, vectors, 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 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	Fundamentals of Physics
			AP® Physics 1
			AP® Biology
			AP® Chemistry
		Fundamentals of Physics Or AP® Physics 1	AP® Biology
			Anatomy & Physiology
			Honors Anatomy & Physiology
			AP® Physics 1
			AP ®Chemistry
		AP® Biology	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 or Applied Science strongly encouraged. 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

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

NOTE: This course may not be offered in 2021-22, dependent in part on enrollment and staffing.

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 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. Students will also be exposed to African American literature and music.

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 course emphasizes the relationship between major landforms, bodies of water, climate and the countries of the world. A course goal is that students will have a working knowledge of the geography of our earth as they enter post-high activities.

Note: This course may not be offered every year.

Course: 962S

Criminal Justice

Grades 11-12

This one-semester 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 course will explore topics such as legal definitions of criminal acts, police on the job, criminal investigations, legal limitations on police conduct, and the functions of the criminal court system. The course will include debates over relevant topics, a unit simulating an active crime scene investigation, a jury deliberation simulation, and other activities designed to focus attention on the social and legal aspects of criminal justice.

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: 513, 514

Spanish I

Grades 9-10

Spanish I offers an introduction into Spanish communication and culture, 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 interpersonal, interpretive and presentational communication. 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 communication and 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.

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 communication and 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 building on advanced interpersonal, interpretive and presentational communication skills. 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 Pre-AP Spanish from AACCS.

TECHNOLOGY DEPARTMENT

TECHNOLOGY COURSES (Note: 2 courses are described under Fine Arts)

Grade	Sem.1	Sem.2	Name of course	Core	Level and Credit	PreReq
9		231	Foundations of Technology	Core	.5 Technology	
10-12	233S		Introduction to Engineering	Core	.5 Technology	
10-12	236S		Engineering 2	Core	.5 Technology	Yes
11-12	250H		Honors 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	255S	Personal Finance	Core	.5 Technology	
10-12	418T		Graphic Design (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 AACIS Severn and Annapolis Lower Schools’ students.

Prerequisite: Introduction to Engineering

Course 250H**Honors 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**

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 may 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 both terminal and GUI components. 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. **Note:** This course offering will depend upon teacher availability.

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		.25/.5 credit	Yes
9-12	495	496	Gospel Choir		.5/1 Fine Art credit	
9-12	458	459	Men's Ensemble		.5/1 Fine Art credit	
9-12	449	450	Women's Choir		.5/1 Fine Art credit	
10-12	493H	494H	Honors Bell'Arte Singers		H/1 Fine Art credit	Yes
10-12	489H	490H	Honors Madrigal Singers		H/1 Fine Art credit	Yes
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	477	478	Percussion Ensemble		.5/1 Fine Art credit	Yes
10-12	497H	498H	Honors Percussion Ensemble		H .5 Fine Art credit	Yes
9-12	481	482	Symphonic Winds		.5/1 Fine Art credit	Yes
10-12	495H	496H	Honors Symphonic Winds		H .5 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 takes a mandatory trip during the school year (cost: typically \$400). For more information, 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

Note: The offering of this course for the 2021-2022 academic year is contingent upon interest and may change based on enrollment and/or staffing.

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: 2-D Design

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

Also Note: The offering of this course for the 2021-2022 academic year is contingent upon interest and may change based on enrollment and/or staffing.

Course: 433, 434 **Drawing** **Grades 10-12**

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; At least two other visual art courses; Portfolio and Application review; Permission of the instructor

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

Note: The offering of this course for the 2021-2022 academic year is contingent upon interest and may change based on enrollment and/or staffing.

Course: 495, 496

Gospel Choir

Grades 9-12

This is a performing ensemble that will explore repertoire from the Gospel music genre. Students will learn about the history of Gospel music, discuss the essential components of Gospel music, develop ensemble skills, and learn music primarily through rote teaching. Singers will explore repertoire from the Gospel music tradition including spirituals, anthems, and contemporary and traditional Gospel music. This group will perform regularly in chapel, in two annual school concerts, and possible other community events. This class is non-auditioned and open to all students who would like to register. Additional Expenses: Students may be required to obtain the appropriate attire for concerts (\$99.50 for male attire; \$68 for female attire). This ensemble may take a trip during the school year

(cost TBD). For more information, contact the Fine Arts Director.

Note: The offering of this course for the 2021-2022 academic year is contingent upon interest and may change based on enrollment and/or staffing.

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, rehearsal and performance etiquette, and vocal technique. This group will perform for two annual school concerts and possible 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 (\$99.50 for male attire). This ensemble may take a trip during the school year (cost TBD). For more information, contact the Fine Arts Director.

Note: The offering of this course for the 2021-2022 academic year is contingent upon interest and may change based on enrollment and/or staffing.

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, rehearsal and performance etiquette, and vocal technique. This group will perform for two annual school concerts and possible 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 (\$68 for female attire).

This ensemble may take a trip during the school year (cost TBD). For more information, contact the Fine Arts Director.

Note: The offering of this course for the 2021-2022 academic year is contingent upon interest and may change based on enrollment and/or staffing.

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 may represent the school in many local and regional 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 (\$68 for female attire). This ensemble may take a mandatory trip during the school year (cost: \$600). For more information, contact the Fine Arts Director. *Note: Enrollment in Bell'Arte Singers does not exclude you from enrolling in Madrigal Singers or Women's Choir.

Note: The offering of this course for the 2021-2022 academic year is contingent upon interest and may change based on enrollment and/or staffing.

Course: 489H, 490H

Honors Madrigal Singers

Grades 10-12

This performing ensemble explores a variety of advanced a cappella repertoire for mixed voices. They perform in annual school concerts and may represent the school in many local and regional 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 (\$99.50 for male attire; \$68 for female attire). This ensemble may take a mandatory trip during the school year (cost: \$600). For more information, contact the Fine Arts Director. *Note: Enrollment in Madrigal Singers does not exclude you from enrolling in Men's Ensemble, Bell'Arte, or Women's Choir.*

Course: 457S

Music Theory and Appreciation

Grades 9-12

The goal of this one-semester course is to develop skills necessary 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: 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.

Note: The offering of this course for the 2021-2022 academic year is contingent upon interest and may change based on enrollment and/or staffing.

Course: 497H, 498H Honors Percussion Ensemble Grades 10-12

Honors Percussion Ensemble will meet concurrently with Percussion Ensemble, and students in Honors Percussion Ensemble will serve in leadership roles in that ensemble. Honors Percussion Ensemble is a full-year course for dedicated percussion students who want to advance their musical skills. Students will work on advanced etudes and advanced solo repertoire over a variety of percussion instruments (snare, mallets, timpani, etc.). Students will prepare for all-state auditions and solo competition.

Students will take bi-weekly lessons with the instrumental music teacher or from a private instructor.

Prerequisite: Minimum of one semester of Percussion Ensemble (or similar experience for transfer students), Placement audition, Teacher recommendation, One year participation in percussion ensemble.

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.

Note: The offering of this course for the 2021-2022 academic year is contingent upon interest and may change based on enrollment and/or staffing.

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: 495H, 496H Honors Symphonic Winds Grades 10-12

Honors Symphonic Winds will meet concurrently with Symphonic Winds, and students in Honors Symphonic Winds will serve in leadership roles in that instrumental ensemble. Honors Symphonic winds is a full-year course for dedicated instrumental music students who want to advance their skills. Students will work on advanced etudes and advanced solo repertoire specific for their instrument. Students will prepare for all-state auditions and solo competition. Students will work on extended major scales and minor scales. Students will take bi-weekly lessons with the instrumental music teacher or from a private instructor.

Prerequisite: Minimum of one semester of Symphonic Winds (or similar ensemble experience for transfer students), Placement audition, Teacher recommendation, One year participation in symphonic winds.

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)*

Also Note: The offering of this course for the 2021-2022 academic year is contingent upon interest and may change based on enrollment and/or staffing.

PHYSICAL EDUCATION and GENERAL 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	330		Intro to Academic Writing	Core	.5 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	
11-12	829	830	Student Aide		.25 credit/semester	

NOTE: 717S Health and Fitness is a diploma requirement.

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: 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 9-11

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, so we encourage students to take this PE course in grade 9 or 10.**

Course: 718S

Lifelong Fitness

Grades 9-12

Students will be taught lifelong habits of staying active and enjoying healthy movement. Daily activities will often involve fun team-oriented activities with a mutually supportive atmosphere, not a highly competitive one. This class has coeducational enrollment.

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 placement or teacher recommendation. 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: 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 realistic short stories, fantasy, mystery, drama, and poetry. While this class includes daily in-class writing, it also requires students to draft, revise, and complete assignments outside of class.

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.

Note: This freshman-only course may not be offered in 2021-22, based on enrollment and staffing.

Course: 373S

Speech

Grades 10-12

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: 991/992

Study Hall

Grades 9-12

Either semester – maximum of one SH per semester unless the student is taking 3 AP ® or dual credit college courses; in that case two study halls are allowed. **Note:** Study hall does not earn any credit.

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 for all Student Aide scheduling: Teacher interview required.

Educational Support

Students are enrolled in Educational Support classes only after discussion with the Educational Support team. **Please contact Megan Lamb MLamb@aacsonline.org to begin the process.**

Course: 979, 980

Directed Studies

Grades 9-12

Directed Studies is an elective course designed to equip students with school success skills. Class time is used to deliver whole group instruction on study skills, executive functioning skills such as organizing time, materials, setting and achieving goals and test preparation. A portion of class time is set aside for independent study and assignment completion. This course is taught by a member of the Education Support Department who partners with your child in collaborating with teachers. The Education Support Instructor will also collaborate with teachers using the student's Education Support Plan and documented accommodations should students have them.

- An Educational Support Plan is NOT required.
- This level of support includes the Directed Studies teacher collaborating with classroom teachers using the student's Education Support Plan and documented accommodations should students have them.
- **Prerequisite:** Parents must discuss Directed Studies placement with Educational Support Department by contacting Megan Lamb mlamb@acsonline.org . The academic dean must receive Mrs. Lamb's approval for a student to take Directed Studies.

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 AACIS 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 AACIS transcript credit.

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

Some Sevenstar high school course options:

Science:

Earth Space Science

Marine Science

Forensic Science 1 & 2

Social Studies:

Global Studies

Economics with Financial Literacy

AP Macroeconomics

AP Microeconomics

World Languages

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

Fine Arts

AP Art History
Music Appreciation
Theater, Cinema, Film Production

ELECTIVES**Technology**

AP Computer Science A
Digital Information Technology

General Electives

Psychology
Leadership Development
Social Problems 1 & 2

Students should register for a Sevenstar course during the regular AACS 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, AACCS will add a biblical worldview module for each AACCS course.

AACCS's course schedule for 2021/2022 is not yet available; in general, students may consider:

- entry level courses
- courses not already available through AACCS
- courses consistent with our mission and educational goals
- sections of courses that pose minimal disruption to the AACCS 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 AACCS campuses. Registration for AACCS summer courses takes place in March. See the AACCS Academic Dean in March to discuss.

Sevenstar College Courses

An option for *dual credit online college courses* is available through Sevenstar's program with Gordon College and Taylor University. As with Sevenstar's high school courses, AACCS 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 AACCS (February/March), designating one of the eight periods for the college course.